

**THE UNIVERSITY OF BRITISH COLUMBIA**

*Curriculum Vitae for Faculty Members*

**Date:** April 2020.

1. **SURNAME:** Younger **FIRST NAME:** Alastair **MIDDLE NAME(S):** Stephen E.
2. **DEPARTMENT/SCHOOL:** Orthopaedics
3. **FACULTY:** Medicine
4. **PRESENT RANK:** Professor **SINCE:** July 2014
5. **POST-SECONDARY EDUCATION**

<b>University or Institution</b>	<b>Degree</b>	<b>Subject Area</b>	<b>Dates</b>
Aberdeen University, Scotland	MB, ChB	Medicine	1980 – 1985
Simon Fraser University	MSc	Kinesiology	1988 – 1990
Aberdeen University	ChM	Surgery	May 1997
University of British Columbia	FRCSC	Orthopaedic residency	1990-1995

(b) *Title of Dissertation and Name of Supervisor*

(c) *Continuing Education / Training (Postgraduate)*

<b>University or Institution</b>	<b>Rank or Title</b>	<b>Dates</b>
University of British Columbia	Total Joint Arthroplasty fellowship	July – Dec 1995
Harvard University, Boston	Arthritis surgery fellowship	Nov 1996 to July 1997
University of Washington	Foot and ankle fellowship	Aug 1997-Jan 1998

(d) *Continuing Medical Education*

See presentations. All CME has been at meetings with scientific or didactic talks.

(e) *Special Professional Qualifications*

Fellow of the Royal College of Physicians and Surgeons of Canada, November 1995  
Fellow of the American Academy of Orthopaedic Surgeons, July 1998  
Founding member and member of Canadian Orthopaedic Foot and Ankle Society, June 2002 to present  
Fellow of the American Orthopaedic Foot and Ankle Society, July 1998 until present  
Fellow of the Arthroscopy Association of North America, June 2002 to present  
Sauder School of Business Physician Leadership Program Fall 2015 course (cohort 5)

TCPS training. May 2012.  
 Canadian GCP course, October 2017.  
 Massachusetts license no 151134.  
 Washington state license no 35177.  
 ECFMG certificate no 0-558-857-9.

**6. EMPLOYMENT RECORD**

*(a) Prior to coming to UBC*

<b>University, Company or Organization</b>	<b>Rank or Title</b>	<b>Dates</b>
Woodend General Hospital, Aberdeen, Scotland	Junior House Officer	Aug 1985 - Jul 1986
General Surgery on the West Lothian Rotation, Edinburgh, Scotland	Senior House Officer	Aug 1986 - Aug 1988
Simon Fraser University, Burnaby, BC	Teaching Assistant	Sep 1988 - Jun 1990
Vancouver Hospital and Health Sciences Centre, Vancouver	Locum Reconstructive Orthopaedic Surgeon	Jan 1996 - July 1996
Royal Columbian Hospital, Vancouver	Locum Trauma Surgeon	Aug 1996 - Sep 1996

*(b) At UBC*

<b>Rank or Title</b>	<b>Dates</b>
Clinical Instructor	July 1998 to July 2003
Clinical Associate Professor	July 2003 to July 2009
Associate Professor	July 2009-June 2014
Professor	July 2014-

*(c) Date of granting of tenure at UBC*

**7. LEAVES OF ABSENCE**

<b>University, Company or Organization at which Leave was taken</b>	<b>Type of Leave</b>	<b>Dates</b>
North American Traveling fellowship	Academic	October to November 1997
ABC (American British Canadian) Traveling fellowship	Academic	April to May 2007

**8. TEACHING**

*(a) Areas of special interest and accomplishments*

Director, resident education, foot and ankle, July 1998 until July 2009 and Residency program committee member 1998 to present

Director and founder, Foot and ankle fellowship, University of British Columbia, July 2000 until July 2006

Course founder and course chair or co-chair – Biannual Foot and Ankle Symposium, University of British Columbia, 2003 to present.

Supervisor, Co-op student program, Foot and ankle research office, 2002 to present.

Current editor in chief for the Canadian Orthopaedic Association bulletin, and chair of the education committee since 2017.

Principle author of COA COVID standard of care for Orthopaedics circulated April 8<sup>th</sup>, 2020.

British Columbia Orthopaedic Association president: circulating guidelines and ensuring all surgeons remain educated and up to date with current guidelines and standards of care.

## SUMMARY OF TEACHING DOSSIER:

### Undergraduate Education.

I have served on the 4<sup>th</sup> year undergraduate committee. This is to act as a representative to the medical school for the department of Orthopaedics final year students and review their electives.

Many students have rotated through the foot and ankle service at Providence and this has been well received with many going on to Orthopaedic careers. My main contribution has been on one to one teaching and mentorship. I believe clinical rotations should not be feared but enjoyed. I therefore at the beginning of the rotation ask the medical students to be involved and to come back to me with three pieces of information from a patient visit: Where the patient hurts, how it interferes with their life, and what is the point of maximum tenderness. This is a much simpler task and hopefully makes their clinical experience a fruitful one. Once they have mastered this they can build on their skills. I think that otherwise early patient contact is an overwhelming task for students.

With respect to mentorship of students, one of our most successful residents, Oliver Gagne, was a medical student visiting from Quebec rotating through St Paul's who I encouraged to apply to UBC and have mentored his career since.

I have supported MEDD 421 and am currently teaching MEDD 422 (April 2020).

I have also been involved in education of students on physical exam within Orthopaedics. The physical exam of the foot and ankle is currently on file at the University.

Students are also encouraged to attend the operating rooms, ward rounds and teaching rounds. However, the basis of their education remains in the clinic.

### Graduate Education (In Orthopaedics residents are equivalent to Graduate Students in basic science Departments)

Residents have attended the Foot and Ankle Service at St. Paul's Hospital, which was established by myself, since 1998. An increasing number of resident rotations have been completed in time, with a reduction more recently with reduced enrollment in the residency program to match availability of employment.

I have been involved with final year resident Royal College exam preparation since 1998.

Resident teaching has been based on Foot and Ankle Rounds taught every Thursday morning. The Orthopaedic residency teaching in foot and ankle was conceived by myself in 1998. I have recently resumed the role of supervising resident teaching at St. Pauls' in July 2012. I have posted the educational material on the SPHORTHO website (<http://www.sphortho.com>) and encouraged the lecture part of training to be reviewed prior to the round. Lectures are also posted on vumedi ([www.vumedi.com](http://www.vumedi.com)). Multiple-choice questions from national and international exams are used as a pretest and post-test. The main teaching round is case based as requested by the residents.

I have supervised residents in their Orthopaedic careers and encouraged those interested to follow a career in Foot and Ankle surgery. As a result of this and the development of a fellowship program in Orthopaedics the number of subspecialty Foot and Ankle surgeons in British Columbia is now 15. When I first started practice in 1998, I was the only one. This is an example of how education has been translated to better patient care with these 15 surgeons servicing a huge unmet need for foot and ankle care in British Columbia.

Of the 66 residents graduating since 1998, I have supervised many with research projects, and 14 (Veri, Baggoo, Wing, Dryden, Van Bergyk, Pinney, Ball, Apostle, Wang, Calvert, Ngai, Yeo, Roberts, Gagne) have chosen a career in Foot and Ankle Surgery. All but 5 have remained in British Columbia and one awaiting the suspended royal college exam to start fellowship training at the present time.

I was involved in the resident selection process in 2009. I have also served on the Residency Program Committee since 2002 in various roles (distal extremity division leader, foot and ankle representative, St. Paul's site representative). I have attended the resident interviews for a number of years depending on availability, most recently in 2020.

I am on the residency program competency committee.

Resident education has been continued during the COVID crisis by participation in call, 4 teaching sessions per week via Zoom, and participation in virtual clinics via Input health and Zoom. Each clinic begins with a teaching session and ends with a 1 hour debrief.

#### Postgraduate Education – Fellowship education

The fellowship program was started in 2000 and initiated by myself in collaboration with the Department of Orthopaedics, Dr. Clive Duncan and Dr. Bas Masri. The supervision of the program was performed by Dr. Penner from 2006 to 2012, and currently is supervised by Dr. Kevin Wing.

45 fellows have been trained to date (April 2020). Financial support for overseas fellows was obtained in 2005 and has been maintained since. We have taken part in the US fellowship match in 2011 and 2012. The fellowship program at UBC in foot and ankle is very highly ranked nationally and internationally.

We have been maintaining fellowship education during the COVID crisis via teaching rounds three times a week and one evening session. Virtual clinics begin with a brief for an hour, and a debrief of an hour at the end of the clinic.

#### Postgraduate Education – Primary Care Provider Education

Primary care remains a major component of foot and ankle care. I have been involved in primary care lectures and demonstrations on many occasions. In conjunction with Dr. Murray Penner, Dr. Kevin Wing and Cheryl Bishop (Former Surgical program leader at Providence Health Care) we have initiated a General Practice foot and ankle screening and

triage (FAST) clinic. This clinic provides better access to care for patients using General Practitioners with a subspecialty interest. We have been asked to assist in creating similar clinics in Victoria and Ottawa.

In 2015 we began to design a new method of delivery of care in conjunction with a grateful donor. In January 2018 Footbridge Centre was opened and the FAST clinic was transitioned to Footbridge Centre for Integrated Orthopaedic Care. Wait times for initial assessment have been reduced from 8 years in 2007 to 3 to 4 weeks in 2020.

I have been a founding partner for Footbridge Centre, which has required many hours of planning, and financial risk. This is a clinic formed in conjunction with Vancouver coastal health in a never before created partnership. Patient care and experience is core to the Footbridge mission. Since March we have transitioned Footbridge to a virtual clinic maintaining the teaching goals.

Webinars to educate primary care physicians is a current focus of training. Over the years I have found education of primary care a challenge in understanding the knowledge needed. I was pleased to learn that I achieved the highest rank of audience satisfaction the Department of Family Medicine's "CME on the run" on June 2<sup>nd</sup>, 2012. I participated in the UBC family practice review in March 2020.

#### Postgraduate Education – Surgeon education

Postgraduate education has also involved a number of national and international activities. The Canadian orthopaedic foot and ankle society symposium was first held in Vancouver in 2003, being repeated in 2005, 2007, 2009, 2011, 2013, 2015, 2017, 2019 and is planned for 2021. I have chaired this course until 2011 and then handed on the chairmanship of this meeting to Dr. Kevin Wing.

I have supported arthroscopic education by running the fall arthroscopy course for the Arthroscopy Association of North America, and I been a Master instructor for the Association in Chicago for 7 years in a row. I have since served on the GRECMIP course as a Master Instructor from 2015 to 2020.

I have been on the Education Committee of the American Orthopaedic Foot and Ankle Society for 5 years.

I have many videos on an online platform, Vumedi with high ratings.

I have been a co-editor of a textbook, Operative techniques in Foot and Ankle surgery published in 2018.

I have participated in 31 local meetings as course faculty, 97 national meetings as course faculty, and 230 international meetings as course faculty.

I have given 99 lectures as visiting professor over the years. I have given 109 lectures locally, 130 nationally, and 297 internationally for a total of 598 presentations I have either given or contributed to.

#### Patient Education.

Patient education remains a constant challenge.

Over the years we have formed a comprehensive patient education program in collaboration with Providence Health Care. These efforts were recognized when we were awarded the 3 M award in 2004.

This has transitioned to Footbridge clinic for integrated orthopaedic care.

We have an updated website for patient education, [www.bcfootandankle.com](http://www.bcfootandankle.com). This has been transitioned to Footbridge centre, <https://www.footbridgeclinic.com/patients/>. Footbridge clinic in partnership with Vancouver coastal has employed a patient educator.

#### Co-op student education.

Through Biraj Bora and the research office we have provided education to co-op students and volunteers for 15 years. These students spend 3 months to a year in the research office learning clinical research methodology. Many of the students that have completed this program have been inspired to apply for medical school. Over 100 co-op students have spent time at the Foot and Ankle Research office. Many have gone on to medical careers inspired by their experience in the Foot and Ankle Research Office.

(b) Courses Taught at UBC

Year	Session	Course Number	Scheduled Hours	Class Size	Hours Taught			
					Lectures	Tutorials	Labs	Other
1997-1998	Second year clinical skills course	ORPA 420	10	5		10		
Sept. 1998		ORPA 508/509			Ankle and Hindfoot Abnormalities			
Sept. 1998		ORPA 508/509			“Management of Hallux Valgus”			
1998-1999	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
January 1999		ORPA 508/509			Ankle and Hindfoot Abnormalities”			
November 1999		ORPA 508/509			“Osteochondritis dissecans and cartilage defects”			
1999-2000	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
February 3 <sup>rd</sup> , 2000		ORPA 508/509			“Adult Forefoot Deformities”			
February 10 <sup>th</sup> 2000		ORPA 508/509			Fractures and Dislocations of the Foot and Ankle”			
March 23 <sup>rd</sup> 2000		ORPA 508/509			The diabetic foot”			
Sept. 7 <sup>th</sup> 2000		ORPA 508/509			Management of Adult flat foot”			
Sept. 7 <sup>th</sup> 2000		ORPA 508/509			“Cavus foot”			
Sept. 7 <sup>th</sup> 2000		ORPA 508/509			“Arthritis of the ankle and foot”			
2000-2001	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
18 <sup>th</sup> January 2001		ORPA 508/509			Arthroscopy of joints other than the knee”			
February 8 <sup>th</sup> 2001		ORPA 508/509			The Rheumatoid foot”			

2001-2002	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
17 <sup>th</sup> May 2002		ORPA 508/509			“Osteochondritis dissecans and cartilage defects			
Sept. 5 <sup>th</sup> 2002		ORPA 508/509			Management of Adult flat foot			
Sept. 5 <sup>th</sup> 2002		ORPA 508/509			Cavus foot			
Sept. 20 <sup>th</sup> , 2002		ORPA 508/509			The Rheumatoid foot: Rheumatology residents’ seminar			
31 <sup>st</sup> October 2002		ORPA 508/509			Arthritis of the ankle and foot			
2002-2003	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
February 8 <sup>th</sup> 2003		ORPA 508/509			The Rheumatoid foot			
2003-2004	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2004-2005	Second year clinical skills course	ORPA 420	10	60	1			Lecture clinical exam
2004-2005	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2005-2006	Second year clinical skills course	ORPA 420	10	60	1			Lecture clinical exam
2005-2006	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
November 4 <sup>th</sup> 2005		ORPA 508/509			Surgical principles of amputation			
November 4 <sup>th</sup> 2005		ORPA 508/509			Diabetic foot management			
2006-2007	Second year clinical skills course	ORPA 420	10	5		10		



2006-2007	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
November 29 <sup>th</sup> 2007		ORPA 508/509			The diabetic foot			
November 29 <sup>th</sup> 2007		ORPA 508/509			Principles of amputation			
2007-2008	Second year clinical skills course	ORPA 420	10	5		10		
2007-2008	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2008-2009	Second year clinical skills course	ORPA 420	10	5		10		
2008-2009	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
January 29 2009		ORPA 508/509			The Cavovarus foot			
2009-2010	Second year clinical skills course	ORPA 420	10	5		10		
2009-2010	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2010-2011	Second year clinical skills course	ORPA 420	10	5		10		
2010-2011	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2011-2012	Second year clinical skills course	ORPA 420	10	5		10		
January 12 <sup>th</sup> 2012		ORPA 508/509			Forefoot deformity, Cavus foot			
2011-2012	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics

2012-2013	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2013-2014	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2014-2015	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2015-2016	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2016-2017	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2018		MECH 435		50	Orthopaedic aspects of Engineering			Lecture
2019		MEDD421		8	Case based Learning tutor			Tutor
2018-2019	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2019-2020	MSI rotation	ORPA 430	1-2-week blocks	1				Attending OR and clinics
2020		MEED422 D	1 block	8	Case based Learning tutor			tutor

Courses taught every academic year:

1998-2020		ORPA 715						
1998-2020		ORPA 716						
1998-2020		ORPA 717						
1998-2020	On-going	ORPA 718						
1998-2020	On-going	ORPA 719						
1998-2020	On-going	ORPA 720						
1998-2020	On-going	ORPA 721						
1998-2020	On-going	ORPA 722						

1998-2020	On-going	ORPA 723						
1998-2020	On-going	ORPA 724						
1998-2020	On-going	ORPA 725						
1998-2020	On-going	ORPA 904						

### Undergraduate (Medical Students)

ORPA 430 Introduction to Orthopaedics (Clinical Skills II)

Musculoskeletal pathology, including baseline levels of knowledge, skill and attitude, plus surgical exposure to orthopaedic injuries and management.

ORPA 475 Clinical Clerkship in Surgery (Trauma Seminars)

ORPA 508 Physical Examination of the Knee (Clinical Skills II)  
Selected topics in orthopaedic surgery and related basic sciences. Given in alternate years

ORPA 509 Orthopaedic Surgery Problem Solving Seminar (Year III)  
The second year of the above program which will be given in alternate years.

MEDD 421 Foundations of Medical Practice II: Increasingly complex clinical presentations integrating foundational sciences and clinical practice themes.

MEDD 422 Transition to clinical education. Prepares students to transition from classroom-based to clinical learning environments.

### Graduate (Residents)

ORPA 715 Evaluation of new patients and diagnosis and treatment of appropriate diseases. Basic signs and clinical features are both stressed in the total management of the patient. Two hours per week in the Outpatient Department under supervision of an orthopaedics faculty member.

ORPA 716 Evaluation of orthopaedic diseases and injuries in patients at bedside. A review of clinical features is correlated with relevant physiology and pathology.

ORPA 717 Formal presentations by the orthopaedic residents, fellows, faculty and guests. Subject matter includes the whole spectrum of orthopaedics.

ORPA 718 Patients with a variety of rheumatological disorders are presented for discussion and evaluation in this combined conference, which rheumatologists and orthopaedic surgeons who have a special interest in reconstructive surgery attend. During each weekly two hour session, patients with difficult management problems are presented for clinical evaluation and discussion of medical and orthopaedic treatment.

ORPA 719 A course in clinical anatomy as applied to orthopaedics. A regional approach involving surgical dissections in cadavers. Each session lasts two hours. Emphasis is on surgical anatomical approach.

ORPA 720 Weekly lectures by orthopaedic faculty and guest faculty from other departments. Lecture topics include applied physiology, anatomy, and pathology as they relate to orthopaedic diseases.

ORPA 721 A series of seminars is given weekly, and during each 2-hour session a topic in clinical orthopaedics is reviewed. The subject matter includes the whole spectrum of orthopaedics. One or more faculty members are in attendance at each seminar.

ORPA 722 Case presentation in paediatric orthopaedics, stressing history, physical findings and total management of the patient, including a review of paediatric fractures with x-rays.

ORPA 723 The practical application of orthopaedics in the operating room with discussion of techniques of surgery, anatomy, pathology, pathophysiology and complications of diseases.

ORPA 724 Orthopaedic traumatology is reviewed, with emphasis being placed on applied basic science, surgical anatomy, diagnosis and definitive management. These sessions are supervised by a faculty member and are held weekly, each session lasting one hour.

ORPA 725 A review of musculoskeletal oncology and related problems with presentation of clinical and laboratory information, radiographs and pathological materials. One and one-half hours monthly

ORPA 904 A series of 60 seminars in orthopaedics and traumatic surgery given over a two-year period: thirty sessions in each of the two years. One evening per week throughout the Winter Session. For post-graduate students proceeding to Certification and Fellowship of the Royal College of Physicians and Surgeons of Canada

(c) *Students Supervised*

***Students supervised through the research office:***

***Since 2002 the following students have been supervised through the research office:***

<b>Student Name</b>	<b>Program Type</b>	<b>Year Start</b>	<b>Year Finish</b>	<b>Principal Supervisor</b>	<b>Co-Supervisor(s)</b>	<b>Current Position/Awards</b>
Cameron Shute	MSc Defense Committee		2002	A Hodgson	B Masri, T Oxland, A Younger	
Kurt McInnes	MSc Defense Committee		2012	Tom Oxland	A. Younger, Wilson.	

(c) *Graduate Students Supervised – Residents*

I have personally supervised all orthopaedic residents who rotate through St. Paul's Hospital in their clinical rotations. In addition, I have specifically supervised the residents in the table below in a research capacity.

<b>Student Name</b>	<b>Program Type</b>	<b>Year</b>	<b>Principal Supervisor</b>	<b>Co-Supervisors(s)</b>
H MacPherson	Paper supervision	June 1996	Alastair Younger	Duncan CP
J M Werier		June 1996	Alastair Younger	AS, Janzen D, Masri BA, Duncan CP
J Dunwoody	Paper supervision	June 1996	Alastair Younger	Duncan C, Masri BA
Van Bergeyk A	Paper supervision	May 14, 1999	Alastair Younger	
Kokan P	Paper supervision	May 14, 1999	Alastair Younger	
P Dryden	Paper supervision	May 24,25,26, 2000	Alastair Younger	B. Swatsky
P Dryden	Paper supervision	June 27,28,29, 2001	Alastair Younger	
H Barske	Paper supervision	Aug 2007	Alastair Younger	
J Mayich	Paper supervision	Aug 2007	Alastair Younger	K Wing
K Apostle	Paper supervision	Oct 2007	Alastair Younger	
K Apostle	Paper supervision	April 2008	Alastair Younger	K Wing, A Younger
J Mayich	Paper supervision	May 2008	Alastair Younger	K Wing, A. Younger
G. Slobogean	Paper supervision	August 2008	Alastair Younger	K. Wing, M. Penner
C.Wang	Paper supervision	August 2011	Alastair Younger	K. Wing, M. Penner
C. Diewert	Paper supervision	July 2012	Alastair Younger	K. Wing, M. Penner
C. Kong	Paper supervision	April 2013	Alastair Younger	
B. Ashman	Paper supervision	Sept 2013	Alastair Younger	K. Wing
M. E. Peltier	Paper supervision	Jan 2014	Alastair Younger	K. Wing, M. Penner
Jackie Ngai	Paper supervision	July 2014	Alastair Younger	K. Wing, M. Penner
Lindsay Anderson	Research supervision	2015-2016	Andrea Veljkovic	Alastair Younger
Jackie Ngai	Research supervision	2015-2016	Alastair Younger	Andrea Veljkovic
Sebastian Ko	Research supervision	2015-2016	Andrea Veljkovic	Alastair Younger
Oliver Gagne	Research supervision	2015-2017	Alastair Younger	Andrea Veljkovic
Chris Day	Research supervision	2015-2016	Andrea Veljkovic	Alastair Younger
Jenifer Hunter	Research supervision	2016-2017	Andrea Veljkovic	Alastair Younger
Oren Zarnett	Research supervision	2016-2017	Andrea Veljkovic	Alastair Younger
Oliver Gagne	Research supervision	2017-209d		
Chris Day	Research supervision	2015-2019	Andrea Veljkovic	Alastair Younger
Jenifer Hunter	Research supervision	2016-2018	Andrea Veljkovic	
Oren Zarnett	Research supervision	2016-2018	Andrea Veljkovic	Alastair Younger
Aresh Sepehri	Research supervision	2016-2018	Andrea Veljkovic	Gerard Slobogean
Alia Albaghdadi	Research supervision	2016-2019	Andrea Veljkovic	

Ryan Lohre	Research supervision	2017-2019	Andrea Veljkovic	
Stefan St George	Research supervision	2017-2019	Andrea Veljkovic	
Mikaela Peters	Research supervision	2017-2018	Andrea Veljkovic	
Jillian Fairley	Research supervision	2017-2019	Alastair Younger	Andrea Veljkovic
		2018-2019		

(c) *Students Supervised – Fellows*

<b>Student Name</b>	<b>Program Type</b>	<b>Year</b>	<b>Principal Supervisor</b>	<b>Co-Supervisors(s)</b>
S. Pinney	Paper supervision	May 2000	Alastair Younger	
J P Veri	Paper supervision	Dec 7, 2001	Alastair Younger	
G De Vries	Paper supervision	Nov 29, 2002	Alastair Younger	
H Elgafy	Paper supervision	Nov 29, 2002	Alastair Younger	
M Awwad	Paper supervision	Dec 4, 2003	Alastair Younger	
M Awwad	Paper supervision	Dec 3, 2004	Alastair Younger	
M Manzary	Paper supervision	Dec 2, 2005	Alastair Younger	
C Topliss	Paper #1 supervision	Dec 1, 2006	Kevin Wing	Alastair Younger Murray Penner
C Topliss	Paper #2 supervision	Dec 1, 2006	Alastair Younger	K Wing M Penner
F Krause	Paper supervision	Jan 2008	Alastair Younger	K Wing, M Penner
Di Silvestro	Paper supervision	Feb 2008	Kevin Wing	M Penner, A. Younger
F Krause	Paper supervision	April 2008	Alastair Younger	
Di Silvestro	Paper supervision	April 2008	Alastair Younger	
Satayam Patel	Paper Supervision	August 2008	Tom Goetz	
Mike Bridge	Paper Supervision	August 2008	M Penner	A. Younger, K. Wing
Jane Madeley	Paper Supervision	August 2008	Alastair Younger	M Penner, K. Wing
David Townshend	Paper Supervisor	August 2009	Alastair Younger	M Penner, K Wing
Ali Chaudry	Paper Supervision	August 2009	Alastair Younger	M Penner, K. Wing
Patrick Ng	Paper supervision	December 2009	Alastair Younger	Mark Creswell
Amarjit Bajwa	Paper supervision	December 2009	Alastair Younger	
Kalpesh Shah	Paper supervision	August 2010	Alastair Younger	S. Pinney, M. Penner, K. Wing
Hossein Pakzad	Paper supervision	August 2010	M. Penner	A. Younger, S. Pinney, K. Wing
Gow Theventhran	Paper supervision	August 2010	S. Pinney	M. Penner, K. Wing, S. Pinney
Mark Steeves	Paper supervision	August 2011	Kevin Wing	Alastair Younger
Heather Barske	Paper supervision	August 2011	Alastair Younger	
Rob Flavin	Paper supervision	August 2011	Alastair Younger	Murray Penner
Marcus Coe	Paper supervision	August 2012	Kevin Wing	Alastair Younger
Jeff Mercer	Paper supervision	August 2013	Alastair Younger	Kevin Wing
Suliman Alimosa	Paper supervision	August 2012	Kevin Wing	Alastair Younger
Orfan Arafah	Paper supervision	August 2013	Murray Penner	Alastair Younger
Melissa Collins	Paper supervision	August 2013	Murray Penner	Alastair Younger
Timo Schmidt	Paper supervision	August 2014	Alastair Younger	Wing, Penner
Steve Croft	Paper supervision	August 2014	Murray Penner	Younger, Wing
Derek Butterwick	Paper supervision	August 2014	Kevin Wing	Penner, Younger
Kelly Hynes	Paper supervision	August 2015	Kevin Wing	M. Penner, A. Veljkovic, A. Younger

Nick Yeo	Paper supervision	August 2016	A. Younger	A. Veljkovic, M.Penner, K. Wing
Feres Wally	Paper supervision	August 2016	Younger	A. Veljkovic, M.Penner, K. Wing
Marie Eve Petelier	Paper supervision	August 2016	M. Penner	A. Younger, K. Wing, A. Veljkovic
Hassam Alrumeih	Paper supervision	August 2017	A Younger	Veljkovic, M.Penner, K. Wing
Hooman Sadr	Paper supervision	August 2017	A Veljkovic	A. Younger, M. Penner, K. Wing.
Brian Le	Paper supervision	August 2017	M. Penner	A. Younger, K. Wing, A. Veljkovic
Michael Symes	Paper supervision	August 2017	Murray Penner	A. Younger, K. Wing, A. Veljkovic
Mario Escudero	Paper supervision	August 2017	A. Veljkovic	A. Younger, M. Penner, K. Wing.
Wafa Albaluki	Paper supervision	August 2018	A. Younger	Veljkovic, M. Penner, K. Wing
Hassam Al-Rumaih	Paper supervision	August 2018 -August 2019	A. Younger	Veljkovic, M. Penner, K. Wing
Lucky Jeyaselan	Paper supervision	August 2018	A. Younger	Veljkovic, M. Penner, K. Wing
Anna Leucht	Paper supervision	August 2019	A. Younger	Veljkovic, M. Penner, K. Wing
Antony Habib	Paper supervision	August 2019	M. Penner	A. Younger, K. Wing, A. Veljkovic
Diogo Cardoso				
Paul				
Charlotte Allen				

**Visiting residents, observers and medical students.**

**Residents:**

<b>Resident</b>	<b>Dates</b>	<b>Program</b>	<b>Current status</b>
Tina Lefrancois	September 2010	McMaster	Fellowship Halifax
Michael Hickey		Halifax	Surgeon Orillia Ontario
Beth Pedersen		Calgary	University of Alberta – on staff
Christina Bakir	February 2012	Calgary	Final year
Stephen Croft	November 2012	Memorial	Third year



Rachael Da Cunha	September to Oct 2014	Calgary	Final year resident
Sam Park	Sept 26 – Oct 7 2016	Toronto	4 <sup>th</sup> year resident
Nick Chung	May 1 to May 31 2015	Memorial	First year resident
Brian Le	November 30 and dec1 2015		Final year resident
Catherine Conlin	Sept 5-9 2016		
Chris DeSutter	April 2 to April 26 2016	Edmonton	4 <sup>th</sup> year resident
Hatim Alshareef	Nov 28 2016	Saudi Arabia	5 <sup>th</sup> year resident
Wafa Al Baluki	Dec 5 2016	McGill	4 <sup>th</sup> year resident
Danielle Lowe	March 2017	Dalhousie	4 <sup>th</sup> year resident
Christy McKinnon	July 2017	NOSM	4 <sup>th</sup> year resident
Susan Ge	April 2020	McGill	3 <sup>rd</sup> year resident
Jiuen Kim	Sept 2-15 2019		4 <sup>th</sup> year resident
Scott Caterine	Sep 30-Oct 13 2019	Toronto	4 <sup>th</sup> year resident
Samantha Walsh	Oct 7 – Oct 20 2019		4 <sup>th</sup> year resident
Dennis Chan	April 8 to May 3 2019	Hong Kong	4 <sup>th</sup> year resident

**Surgeon Observers:**

<b>Name</b>	<b>date</b>	<b>Origin</b>
Markus Walter	July 2007	Germany
N.C. Kwok	January 2012	Hong Kong
S. W. Kong	January 2012	Hong Kong
Francis Chow	January 2012	Hong Kong
Gerhard Smith	June 2012	Fort Worth
S. Tong	October 2012	Hong Kong
Stefan Fieler	October 2012	Germany
Armin Schupp	October 2012	Germany
Chayanin Anghong	February 2013	Thailand
Sebastian Drago Perez	November 2106	Chile
Simon Zilko	July 4 to 8 2016	Australia
Lucky Jeyaseelan	2016	United Kingdom
Nissim Khaimov	Jan 13, 2017	Israel
Jorge Briceno	Feb 7, 2017 and July 7, 2017	Chile
Mario Escudero	Feb 17, 2017	Chile
Jens Mainzer	June 30, 2017	Switzerland
Francisco Garcia	July 20, 2017	Columbia
Ani Sharma	Aug 21, 2017	India
Alex Hui	Sept 29, 2017	Hong Kong
Dan Zin	Sep 13, 2017	Israel
Jorge Briceno	Feb 7, 2017 and July 7, 2017	Chile
Paul Kyluk	Oct 29 to Sept 2 2018	U of Saskatoon
Dynai Elling		Israel
Dennis Chan	April 1 to April 30 2019	Hong Kong
Mathews	May 7 <sup>th</sup> 2019	SMH
T. Daniels		SMH

**Visiting fellows:****LOCAL HOST:**

- 1 July 2006: American Orthopaedic foot and ankle society travelling fellows. Francisco Javier Garcia, Alicia Vignola, James Calder, Mark Glazebrook, Peter Stavrou.
2. July 2009: American Orthopaedic foot and ankle society travelling fellows: Zhongmin Shi, Fabian Krause, Dan Farber, Scott Ellis, Roberto Benovi.
3. September 2011: German travelling fellows Sept 23- Sept 30, 2011: Patricia Droste, Patrick Delhey, Justus Stadler
4. July 2012: American Orthopaedic foot and ankle society travelling fellows: Christopher Pearce, Xu Wang, Tahir Ogut, Hyong Nyun Kim, Arno Frigg.
5. July 2017: American Orthopaedic foot and ankle society travelling fellows: Kevin Martin, Jillian Jackson, Amed Hallim, Chayanin Anthong, Sjoerd Stufkens.
6. September 2017; North American Travelling Fellows (NATF): MaCallus Hogan, Scott Tindle, Brian Waterman, Bheeshma Ravi, Christina Goldstein.

**Non UBC Medical students on elective:**

<b>Student</b>	<b>dates</b>	<b>Institution</b>
Kelly Hynes	Nov 16 to 27, 2011	Memorial University, NFD.
David Cameron	Sept 5 to Oct 2, 2010	Peninsula College, UK.
Robert Ravinsky	September 27 to Oct 25 2010	Memorial University, NFD.
Omar Ashur	July 18 to July 29 2011	Dundee University, UK.
Ian Pereira	Nov 28 to Dec 11 2011	Western University, Ontario
Jessica Page	October to November 2011	University of Toronto, Ontario
Karen Vejsbjerg	July 23 to August 17, 2012	Dublin, Ireland
Jonathan Lavery	July 2 to 26, 2013	Glasgow, Scotland
Auli Mela	Jan 20, 2014 to Feb 2 <sup>nd</sup> 2014	U of Turku, Finland
Chris Goodland	July 14 <sup>th</sup> to August 10 <sup>th</sup> 2014	Queen's University, Belfast
Martin Hunter	June 30 <sup>th</sup> to July 13 <sup>th</sup> 2014	Queen's University, Belfast
Shea Timoko-Barnes	10 <sup>th</sup> March 2014 to 21s March 2014	U of Otago, New Zealand
Craig Golpen	Aug 11 to Aug 25 2014	Edmonton, Alberta
Alex Wong	September 2014 to October 2014	Brisbane Australia
Oliver Gagne	October 2014 to November 2014	Montreal, Canada
Simon Federer	April 1 <sup>st</sup> , 2015 to May 1 <sup>st</sup> 2015	Imperial College London

Nick Cheung	May 1 to May 30 2015	Memorial University, NFD
Kirstin Hickie	October 2016	Dalhousie, Halifax
Adam Metcalf	30 May to 12 Jun 2016	University of Belfast
Nurul Izzah Zainuddin	30 May to 12 Jun 2016	University of Nottingham
Kristen Hickie	Sept 26- Oct 9, 2016	UBC
Jong Min (John) Lee	Nov 7-Nov 20, 2016	UBC
Csilla Egri	Nov 28- Dec 18, 2016	UBC
Alexis Crabtree	April 3-April 16, 2016	UBC
Emily Chan	June 19-Jul 2, 2017	Vanderbilt University
Christy McKinnon	July 2017	NOSM
Marcus Jansen	July 31-Aug 25, 2017	Queens University
Patrick Harrison	July 31- Sept 22, 2017	UK (Peninsula College of Medicine and Dentistry Universities of Exeter and Plymouth)
Kellen Walsh	Sept 25-Oct 8, 2017	Queen's University
Liv Byrom	April – May 23 2018	Bristol, U.K.
Jack Walton	April 23 to May 6 <sup>th</sup> 2018	Cairns, Australia
Kerry Roberts	July 16 to July 29 2018	St. James School Anguilla
Pei Xie	Sept 3 to sept 30 2018	University of Auckland
Dhari	July 30 to August 36 2018	Kuwait
William Tsang	April 29 to May 26 2019	Manchester, UK
George Cooke	April 1 to 14 2019	Southampton, UK
Meghan Richards	September 4 to 21 <sup>st</sup> 2018	TOH.ca
Mating Zohoori Niya	Jan 6 <sup>th</sup> , 2020 to Feb. 2 <sup>nd</sup> 2020	University of Sidney Australia
Alice Tsu	Jun 15 – Aug 11 2019	Toronto

*(d) Continuing Education Activities- (Areas of Special Interest and Accomplishments)*

<b>Role</b>	<b>Location</b>	<b>Year</b>
Teaching Assistant	Human Anatomy Laboratory, SFU	1989-1990
Coordinator	Resident Education, Division of Reconstruction, Subspecialty - Foot and Ankle UBC Coordinator	1998 - present
Member	Education Committee of the Arthroscopy Association of North America	2002-2006
Member	Residency Training Committee, Orthopaedics, UBC	2002 – present
Member	Program Committee, Canadian Orthopaedic Association	2005-2006
Chairman	Canadian Orthopaedic Foot and Ankle Society Meeting, Vancouver, BC	2003,2005,2007, 2011
Member	Committee for Continued Professional Development, Canadian Orthopaedic Association	2002-2005
Member	Educational Committee, American Orthopaedic Foot and Ankle Society	2007-present
Founder	Foot and Ankle Surgery Fellowship program, St. Paul's Hospital ( <i>30 fellows trained to date. Funding secured through a grant in aid agreement.</i> )	2000
Master Instructor	Foot and Ankle Learning Centre, American Academy of Orthopaedic Surgeons	2006 to present
Member	Residency Selection Committee, UBC Department of Orthopaedics	2008
Member	Undergraduate Medical School Committee, UBC	February 2008 -2010
Member	Arthroscopy Association of North America education committee	March 2002-2004
Member	American Orthopaedic Foot and Ankle Society Education committee member	2008-2012
Member	American Orthopaedic Foot and Ankle Society Research Committee	2013-
Member	American Orthopaedic Foot and Ankle Society Physician education committee	2015-
Member	GRECMIP	2017-
Member	European Society of Sports Knee and Arthroscopy	2019-

(e) *Visiting Lecturer (indicate university/organization and dates)*

### **Local meetings**

1. Guest Lecturer, Annual Update on Arthritis for Paramedical Personnel, Vancouver, BC February 1995.
2. Guest Lecturer, Lecture to the BC Podiatric Association, June 1998.
3. Guest Lecturer, Rheumatologists at the Arthritis Society, June 1998.
4. Guest Lecturer, Occupational Therapists and Physiotherapists at the Arthritis Center, January 1999.
5. Guest Lecturer, BC Podiatric Association, February 1999.

6. Guest Lecturer, BC Radiologists Association, April 28, 2000.
7. Guest Lecturer, St. Vincent's Hospital Lecture Series, June 14, 2001.
8. Guest Lecturer, Arthritis Center of BC, March 2002.
9. Guest Lecturer, Medical Office Assistants of BC, March 2002.
10. Guest Lecturer, Public Talk for the St. Vincent's Hospital Foundation, May 2002.
11. Guest Lecturer, Family Physicians, Columbia Rehabilitation Centre, September 19, 2002.
12. Guest Lecturer, Teaching Rounds, Rheumatology Residents and Fellows, September 20, 2002.
13. Guest Lecturer, Preadmission Nurses Association of British Columbia, October 24, 2002.
14. Guest Lecturer, Presentation to Rheumatologists at the Arthritis Society of BC, November 2003.
15. Guest Lecturer, St. Paul's Hospital Lecture Series, December 27, 2003.
16. Guest Lecturer Presented to the Board of Providence Health Care February 2004.
17. Guest Lecturer, UBC division of Geriatric Medicine Division Rounds. March 23, 2004.
18. Guest Lecturer, St. Vincent's Hospital Foundation Vancouver, April 2004.
19. Guest Lecturer, BC Diabetes Collaborative, Vancouver BC, October 21, 2004.
20. Guest Lecturer, Family Practice Rounds, St. Paul's Hospital, November 28, 2004.
21. Guest Lecturer, General Practice Rounds, Mount St. Joseph's Hospital, Vancouver, February 2005.
22. Guest lecturer, Family Medicine Grand Rounds, Mounts St. Joseph's hospital, 16<sup>th</sup> June 2009.
23. Guest Lecturer, CME on the run. UBC department of family practice. June 1<sup>st</sup>, 2012.
24. Guest lecturer, GP update, Victoria, BC, June 2<sup>nd</sup>, 2012.
25. Course Faculty Orthopaedic Update UBC Vancouver May 2013.
26. Course Faculty Orthopaedic Update UBC Vancouver May 2014.
27. Course Faculty Orthopaedic Update UBC Vancouver May 2016.
28. Course Faculty Orthopaedic Update UBC Vancouver May 2017.
29. Grand rounds June 2019 Physician Master Agreement
30. Grand rounds Sept 2019 Disparity and what it means for Orthopaedics
31. Grand rounds Jan 8<sup>th</sup>, 2020 Update on the disparity process and complex fee codes

32. Grand rounds February 28<sup>th</sup> 2020 with Dr Veljkovic Current treatment of Achilles tendon ruptures
33. Grand rounds May 6<sup>th</sup> 2020 with Dr. Huang COVID crisis and Orthopaedic reimbursement in British Columbia – optimizing virtual health.
34. Resident research day May 7<sup>th</sup> 2020. Research judge – with Dr Leville and Dr Lafavre.

### **National meetings**

35. Guest Lecturer, University of Calgary Grand Rounds, Department of Orthopaedics, April 1997.
36. Guest Lecturer, Workshop at the Canadian Rheumatology Conference, Lake Louise, AB, February 1999.
37. Guest Lecturer, Canadian Orthopaedic Association Meeting, St. John's, NF, July 4, 1999.
38. Guest Lecturer, Instructional Course, Canadian Orthopedic Association Meeting, St. John's, NF, July 6, 1999.
39. Guest Lecturer, Fourth Biennial Foot and Ankle Symposium, Toronto, April 8-9, 2000.
40. Guest Lecturer, Instructional Course Lecture Participant, Canadian Orthopedic Association, June 4, 2000.
41. Visiting Professor, Department of Orthopaedics, Calgary, October 4-7, 2000.
42. Guest Lecturer, Arthroscopic Surgery Symposium, Whistler, BC, February 22, 2001.
43. Guest Lecturer, Lecture to the American British Canadian Traveling Fellows, May 30, 2001.
44. Guest Lecturer, Instructional Course Lecture and workshop, Canadian Orthopaedic Association, June 2001.
45. Guest Lecturer and moderator, 5<sup>th</sup> Biennial Foot and Ankle Symposium, University of Toronto, April 2002.
46. Guest Lecturer, Royal College of Physicians and Surgeons of Canada Visiting Lecturer, Glen Edwards Days, University of Calgary, May 2002.
47. Guest Lecturer, course chairman and moderator, first Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, BC. April 2003.
48. Guest Lecturer, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, May 4, 2003.
49. Guest Lecturer, Canadian Orthopaedic Association Annual Meeting, Winnipeg, MB, October 3, 2003.
50. Guest Lecturer and moderator, University of Toronto Biannual Foot and Ankle Course, Toronto, ON, April 4, 2004.

51. Guest Lecturer, Instructional Course Lecture Canadian Orthopaedic Association Annual Meeting, Calgary, Alberta, June 20, 2004.
52. Guest Lecturer and Course Chairman, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.
53. Guest Lecturer, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, Montreal, Quebec, June 3, 2005.
54. Guest Lecturer, Canadian Orthopaedic Residents Association Meeting, Montreal, Quebec, June 3, 2005.
55. Visiting Professor, University of Manitoba, November 8, 2005.
56. Guest Lecturer and session moderator, Canadian Orthopaedic Foot and Ankle Society Meeting, Toronto ON, April 8-9, 2006.
57. Guest Lecturer, Instructional Course Lecture, Canadian Orthopaedic Association, May 2006.
58. Visiting Professor, University of McGill Grand Rounds, Montreal, QC, October 2006.
59. Guest Lecturer and Course Chairman, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver, B.C, March 30-31, 2007.
60. Guest Lecturer, Canadian Orthopaedic Association Meeting, Halifax, Nova Scotia, June 2007.
61. Guest Lecturer, ISQUA Conference, Vancouver, B.C, October 28, 2005.
62. Guest Lecturer, The College of Family Physicians of Canada: Family Medicine Forum, Vancouver, BC, December 10, 2005.
63. Guest Lecturer, Department of Family Medicine, UBC Diamond Center, November 14, 2007.
64. Guest Lecturer, Rheumatology resident's half day, November 16, 2007.
65. Guest Lecturer and panelist, 8<sup>th</sup> Biennial Canadian Foot and Ankle Symposium, Toronto ON, April 12, 2008.
66. Visiting Professor, University of Montreal Department of Orthopaedics, Montreal QC, May 2008.
67. Guest lecturer, Workshop on osteotomies. Canadian Orthopaedic Association Meeting, Whistler, July 5<sup>th</sup>, 2009.
68. Guest lecturer, Canadian Orthopaedic Foot and Ankle Society Think Tank Meeting, Whistler BC, July 6<sup>th</sup> and 7<sup>th</sup> 2009.
69. Guest lecturer and session moderator, 9<sup>th</sup> Biennial Canadian Orthopaedic Foot and Ankle Symposium. Toronto April 10-11<sup>th</sup> 2010.
70. Guest lecturer, Instructional course lecture, Canadian Orthopaedic Association Meeting, Edmonton, Alberta. Friday June 18<sup>th</sup>, 2010.

71. Master Instructor, Workshop on arthroscopic procedures, Canadian Orthopaedic Association Meeting Edmonton Alberta. Friday June 18<sup>th</sup>, 2010.
72. Course chairman, lecturer and demonstrator, COFAS ankle arthroscopy lab. Vancouver, B. C. January 26<sup>th</sup>, 2011.
73. Course chairman: Screw placement for foot and ankle surgery. Thursday 27<sup>th</sup> January 2011.
74. Guest Lecturer, Advances in foot and ankle surgery. Cutting edge techniques in fixation. January 27<sup>th</sup>, 2011.
75. Course Chairman, lecturer and moderator, COFAS biannual meeting, Vancouver BC January 28 to 29<sup>th</sup>, 2011.
76. Course coordinator, Canadian Orthopaedic Association Meeting, Foot and ankle arthroscopy lab, July 2011.
77. Guest instructor and lecturer, Canadian Orthopaedic Association Meeting, July 2011.
78. Guest lecturer and moderator, COFAS Biannual Meeting Toronto April 21<sup>th</sup> 2012.
79. Guest lecturer, COFAS Arthroscopy Lab Toronto April 20<sup>th</sup>, 2012.
80. Course moderator, Canadian OA arthroscopy lab, Ottawa, June 9<sup>th</sup>, 2012.
81. Guest lecturer, COA, Ottawa, 8 June 2012.
82. Guest lecturer, COFAS annual retreat. Osoyous, British Columbia. September 2012.
83. Co-chair, COFAS symposium, Whistler February 2013.
84. Guest speaker, 2013 Mary Pack Arthritis Program Education Day, June 2013.
85. Guest Lecturer, COA, Winnipeg, June 2013.
86. Guest Lecturer, COFAS symposium, April 2014.
87. Moderator, UBC Orthopaedic Update, May 2014.
88. Course Co chairman, COFAS meeting, Whistler BC, January 2015.
89. Organizer, COFAS program, Canadian Orthopaedic Association Meeting, Vancouver BC June 2015.
90. Speaker, COFAS think tank, COA meeting, Vancouver, June 2015.
91. Speaker, COA meeting, Quebec City, June 2016.
92. Speaker, COFAS symposium, Toronto, April 2016.
93. Speaker Dewar Meeting, Halifax, NS September 2016
94. Speaker, Newfoundland Surgical Society Meeting, March 2017.
95. Speaker, COA annual meeting, Ottawa, June 2017.



96. Chair, Acumed course, Missasauga Ontario May 25<sup>th</sup>, 2018.
97. Speaker COA annual meeting, Victoria, June 2018.
98. Speaker Dewar Meeting St Catherine's Ontario September 2018
99. Speaker Canadian Orthopaedic Association Meeting Montreal Quebec June 2019.
100. Speaker Dewar Meeting Sechelt BC September 2019
101. Speaker SSC billing in orthopaedics – July 22<sup>nd</sup> 2020

### **International meetings**

1. Guest Lecturer, American Foot and Ankle Society's "Shoe fit" Course, San Diego, CA, September 1997.
2. Course Instructor, Foot and Ankle Arthroscopy Course, Chicago, IL. October 2002.
3. Guest Lecturer, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 15, 2003.
4. Guest Lecturer, Canadian Orthopaedic Association Ambassador to the Hong Kong Orthopaedic Association, Hong Kong, November 8-9, 2003.
5. Guest Lecturer, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 20, 2004.
6. Guest Lecturer, American Orthopaedic Foot and Ankle Society Annual Meeting, Seattle, July 2004.
7. Guest Lecturer, Fall Course, Arthroscopy Association of North America, Palm Desert, December 2004.
8. Guest Lecturer, American Orthopaedic Foot and Ankle Society Specialty Day, Chicago IL, February 2005.
9. Guest Lecturer, Arthroscopy Association of North America Specialty Day, Chicago IL, February 2005.
10. Guest Lecturer, Arthroscopy Association of North America Annual Meeting, Hollywood, Florida, April 2005.
11. Guest Lecturer, The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, Scottsdale AZ, April 28- May 1, 2005.
12. Guest Lecturer, Arthroscopy Association of North America Annual Meeting, Vancouver, BC, May 2005.
13. Guest Lecturer, Mobility Total Ankle Replacement Course, Zurich, Switzerland, October 5-8, 2005.
14. Guest Lecturer and demonstrator, American Academy of Orthopaedic Surgeons: Foot and Ankle Course, Chicago IL, October 22, 2005.

15. Guest Lecturer, Advances and Innovations in Foot and Ankle Surgery, New York City, December 9-10, 2005.
16. Guest Lecturer and anatomy demonstrator: AAOS Learning Centre, Chicago, November 2006.
17. Visiting Professor, North Western University Grand Rounds, Chicago IL, November 2006.
18. Guest Lecturer, Update in Foot and Ankle, New York City, December 2006.
19. Guest Lecturer, Instructional Course Lecture, American Academy of Orthopaedic Surgeons, San Francisco, February 2007.
20. Guest Lecturer, American Orthopaedic Foot and Ankle Society Annual Meeting, Toronto, Ontario, July 13, 2007.
21. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 8, 2007.
22. Guest Lecturer, Arthroscopy Association of North America Web site online courses, September 21, 2007.
23. Guest Lecturer, Arthroscopy Association of North America Web site online courses, July 24, 2007.
24. Guest Lecture, Instructional Course Lecture, American Academy of Orthopaedic Surgeons, San Francisco, March 5, 2008.
25. Guest Lecturer, American Orthopaedic Foot and Ankle Society Advanced Course, San Francisco, May 1, 2008.
26. Guest Lecturer, Instructional course, Combined Canadian Orthopaedic and American Orthopaedic Association Meeting, Quebec City, June 5, 2008.
27. Guest lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 13-14, 2008.
28. Visiting Professor, New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson, New Zealand, November 1 to 2 2008.
29. Guest lecturer, Arthroscopy association of North America Fall Meeting, Phoenix Arizona, November 2008
30. Guest Lecturer, Instructional Course Lecture, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, February 25, 2009.
31. Visiting Professor, University of California Los Angeles, May 27<sup>th</sup>, 2009.
32. Guest lecturer and local host, American Orthopaedic Foot and Ankle Society Precourse Meeting: Vancouver, BC, July 14<sup>th</sup>, 2009.

33. Guest lecturer and local host, American Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver, BC. July 15<sup>th</sup> to 17<sup>th</sup> 2009.
34. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 26<sup>th</sup>, 2009.
35. Guest lecturer, 9<sup>th</sup> annual foot and ankle lectureship, University of Michigan, An Arbor, MI. Friday October 23<sup>rd</sup>, 2009.
36. Guest lecturer Arthroscopy Association of North America Fall course, Palm Desert, CA, November 2009.
37. Visiting professor and presidential guest speaker: Saudi Arabian Orthopaedic Association. Khobar, Saudi Arabia, January 21<sup>st</sup>, 2010.
38. Guest lecturer, Instructional course lecture, American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans. March 2010.
39. Guest lecturer, American Orthopaedic Foot and Ankle Society Winter Meeting, New Orleans. March 2010.
40. Guest Lecturer, Biomimetic information evening, July 2010 National Harbour, Maryland, USA.
41. Guest Lecturer: Vumedi Webinar, 21<sup>st</sup> September 2010.
42. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 24<sup>th</sup>, 2010.
43. Guest lecturer, American Academy of Orthopaedic Surgeons Meeting – San Diego 2011.
44. Symposium Moderator and chairman, Combined Arthroscopy Association of North America and American Orthopaedic Foot and Ankle Society Session, San Diego February 2011.
45. Guest lecturer, Arthroscopy Association of North America Annual Meeting, San Francisco. April 2011.
46. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 17, 2011.
47. Guest lecturer and visiting professor, Central Cluster Hong Kong Foot and ankle Symposium: November 16 to 18<sup>th</sup> 2011.
48. Keynote speaker, Hong Kong Orthopaedic Association Meeting. November 19 and 20<sup>th</sup> 2011.
49. Guest lecturer, The Orthopaedic Learning Centre at the Chinese University of Hong Kong. 21<sup>st</sup> November 2011.
50. Guest lecturer, American Orthopaedic foot and ankle society specialty day: San Francisco, February 2012.

51. Guest lecturer, Instructional course, American Academy of Orthopaedic Surgeons: San Francisco. February 2012.
52. Guest Lecturer and moderator, Annual symposium of the Swiss Foot and Ankle Society, Lucerne, Switzerland, Jan 2012.
53. Guest lecturer, SPINE (Society for Progression and Innovation in the Near East), Beirut, June 28<sup>th</sup>, 2012.
54. Webinar guest speaker, Foot innovate, July 19<sup>th</sup>, 2012.
55. Guest lecturer, Edinburgh trauma symposium, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
56. Guest lecturer, Edinburgh trauma instructional course, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
57. Guest webinar speaker, Vumedi, August 20<sup>th</sup>, 2012.
58. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 18-19, 2012.
59. Co presenter, Panjabi Orthopaedic Association Conference 2012, Amritsar India. 26<sup>th</sup> October 2012.
60. Guest lecturer, AANA fall course, November 9<sup>th</sup>, 2012.
61. Guest speaker, British Orthopaedic Foot and Ankle Society. Newport Wales, November 14<sup>th</sup>, 2012.
62. Guest Speaker, Vu Medi Event, San Francisco, November 18<sup>th</sup>, 2012.
63. Visiting professor, Royal College of Surgeons of Glasgow Update in Foot and Ankle, November 25<sup>th</sup>, 2012.
64. Ian Kelly Lecture, Royal College of Surgeons of Glasgow, November 25<sup>th</sup>, 2012.
65. Guest lecturer, American Academy of Orthopaedic Surgeons. March 19, 2013.
66. Guest lecturer: AOFAS winter meeting. Chicago, March 23rd, 2013.
67. Guest lecturer: AOFAS Complications course, Durham, North Carolina, May 2013.
68. Guest lecturer: AOFAS summer meeting, Hollywood, Florida July 2013.
69. Visiting Professor, Yale University, New Hampton, Connecticut September 27<sup>th</sup>, 2013.
70. Guest Lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, September 19, 2013.
71. Program chair, Foot and ankle program, Vumedi event, San Francisco Nov 21 to 24<sup>th</sup> 2013.
72. Guest lecturer, German Orthopaedic Foot and Ankle Society Meeting, Munich, Germany Dec 6 and 7<sup>th</sup> 2013.

73. Guest lecturer, AAOS meeting, New Orleans, March 2014.
74. Guest lecturer, AOFAS winter meeting, New Orleans, March 2014.
75. Guest lecturer, Auckland NZ, Wright medical, August 2014.
76. Guest lecturer, Melbourne Australia, Wright medical, August 2014.
77. Guest lecturer, Hobart, Australia, Wright medical, August 2014.
78. Guest lecturer, Perth, Australia, Wright medical, August 2014.
79. Guest lecturer, Newcastle, Australia, Wright medical, August 2014.
80. Guest Lecturer, AOFAS / IFFAS triannual meeting, Chicago, September 2014.
81. Guest lecturer, master instructor and anatomy demonstrator, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, Chicago IL, October 19, 2014.
82. Guest lecturer, Foot and ankle program, VuMedi Event, San Francisco, November 2014.
83. Guest lecturer, Las Vegas Nevada, Summit Arthroscopy course. December 2014.
84. Guest lecturer, Specialty day, Las Vegas, AOFAS, March 2015.
85. Course Faculty, research forum, AOFAS pre course, Long Beach California July 15<sup>th</sup>, 2015.
86. Course Faculty, AOFAS annual meeting, Long Beach, California July 16 to 18 2015.
87. Master Instructor, AOFAS /AANA lab Chicago August 2015.
88. Guest lecturer, Baltimore foot and ankle arthroscopy course, September 2015.
89. Moderator, Vumedi webinar – December 17<sup>th</sup>, 2015: “Imaging of the Foot and Ankle” with J. Acevedo, L. Scaglione, M. Clare and M. Creswell.
90. Course Faculty, COFAS lab, Toronto, April 2016.
91. Course Faculty, COFAS meeting, Toronto, April 2016.
92. Course faculty, arthroscopy lab, COFAS day at the COA meeting, Quebec City, June 2016.
93. Guest lecturer, AAOS meeting, Orlando, Florida, March 2016.
94. Course Faculty, Global bio skills meeting, Toronto, Ontario, July 2016.
95. Course Faculty, AOFAS Advanced Meeting, April 2016, Cleveland Ohio.
96. Course faculty AOFAS pre meeting, Toronto, Ontario, July 2016.
97. Course Faculty, AOFAS meeting, Toronto, Ontario July 2016.
98. Lecturer, Dewar Society meeting, Halifax NS. September 2016.

99. Course Faculty, Baltimore course, October 2016.
100. Guest lecturer, Las Vegas Nevada, Summit Arthroscopy course. December 2016.
101. Course Faculty, AANA winter meeting, Las Vegas, November 2016.
102. Guest lecturer, TM ankle workshop, Chicago IL, November 2016.
103. AAOS annual meeting, ICL moderator, San Diego, March 2017.
104. Visiting Speaker, University of Chicago Grand rounds, February 15<sup>th</sup>, 2017.
105. Course Faculty, AOFAS annual meeting, Seattle Washington, July 2017.
106. Course Faculty, MIS course, Baltimore MD, October 2017.
107. Course faculty, IFFAS meeting, Lisbon, Portugal September 2017.
108. Course faculty, Acumed course, San Francisco, Oct 2017.
109. Course faculty, Summit meeting, Las Vegas, December 2017.
110. Course faculty, AAOS meeting, New Orleans, March 2018.
111. Course faculty, Minimally invasive foot surgery, Miami, FL June 2018.
112. Course faculty, AOFAS meeting, Boston MA, June 2018.
113. Grand rounds speaker, Hospital for Special Surgery, New York Sept 20<sup>th</sup>, 2018.
114. Course faculty, Baltimore MIS course, Baltimore MD, Oct 2018.
115. Course faculty, Precourse AOFAS meeting, Boston MA, July 2018.
116. Course faculty, AOFAS summer meeting, Boston MA, July 2018.
117. Course faculty, Duke Foot and Ankle Meeting, Boston MA, July 2018.
118. Consultant, Charcot Marie Tooth Association meeting, Chicago IL Oct 7<sup>th</sup>, 2018.
119. Foot and ankle Course faculty, SICOT, Montreal CA Oct 11<sup>th</sup>, 2018.
120. Course faculty. GRECMIP meeting, Oct 12 to 14, Baltimore MD 2018.
121. Course Faculty, ISAKOS, Cancun 2019.
122. Course faculty, Marrakesh GRECMIP 2019.
123. Course faculty, BOFAS, Edinburgh, November 2018.
124. Course faculty, Summit meeting, Las Vegas, December 2018.
125. Course faculty and ICL moderator, AAOS meeting, Las Vegas, March 2019.

126. Course faculty, 7<sup>th</sup> international foot and ankle symposium, Austin Texas, April 2019.
127. Lab Instructor, Wright medical Foot and Ankle Course, New York June 2019.
128. Course faculty, COFAS half day, COA meeting, Montreal. June 2019.
129. Course faculty, AOFAS meeting, Chicago IL, September 2019.
130. Guest lecturer, FISIC conference, London England November 2019
131. Guest lecturer, EFFAS conference, Madrid Spain November 2019
132. Course faculty, Summit meeting, Las Vegas, December 2019.
133. Course faculty AAOS meeting, Orlando FL March 2020.
134. Course faculty, IFFAS meeting, April 2020.

*(f) Other*

1. BCTV (Global TV), News Broadcast on St. Paul's Hospital- Foot and Ankle Clinic, September 18, 2002.
2. CKNW 950 AM Radio Show "House Calls", Discussion of Foot and Ankle problems, March 8, 2003.
3. Interview with CBC (French) radio on Outcomes of Diabetic Amputations, August 2004.
4. Toronto Star Newspaper article: Injuries from High Heeled Shoes, December 2004.
5. CKNW 950 AM: "House Calls", Radio Show on Foot and Ankle Problem, May 28, 2005.

*(g) Future Planned Visiting Lecturer (indicate university/organization and dates)*

**9. SCHOLARLY AND PROFESSIONAL ACTIVITIES**

***(a) Areas of special interest and accomplishments***

Teaching:

See section 8 (a)

Arthritis and Reconstructive Surgery:

- Studies on infection in total hip arthroplasty. See publication record: Not a current area of active research.

Foot and Ankle Surgery:

- Tourniquet research; Studies on complications and reduction of tourniquet pressure in surgery.

- Pathways for foot and ankle care: Development of pathways reducing cost and improving patient education. 3 M award for quality improvement in health care.
- Outcomes research in hindfoot arthritis: Principal investigator and co-founder of multi center national database.
- Diabetic foot care: Studies on outcomes of limited foot amputations in diabetic patients.
- Arthroscopic foot and ankle surgery; Development of techniques; studies on outcomes of arthroscopic ankle fusion.
- Bone graft substitutes: Pilot study on PDGF 2 for foot and ankle fusions completed for an FDA study. Principal investigator for Vancouver site for a Sponsor initiated RCT.
- Fractures in patients with Diabetes – Principal investigator in investigator initiated study. Redesign of the Fibular nail as a company consultant for higher ankle fractures and extending use to tibial plafond fractures.
- Bone grafting in Osteochondral defects of the talus- Principal investigator in investigator initiated study
- Treatment of end stage arthritis of the first MTP joint – Principal investigator – Vancouver site
- Stability of Ankle Joint replacements – Master’s thesis supervisor and patent holder
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#### Basic Science Research:

MSc. Kinesiology, Simon Fraser University

- “Forces during Femoral Lengthening in Children”, successfully defended in June 1990, M Ch. Thesis, Aberdeen University.
- “The Biomechanics of Distraction Callus Created during Ilizarov Limb Lengthening in Sheep”, successfully defended September 1996. Graduated May 1997.
- Cadaver study on the relative strength of lateral ligament reconstruction versus repair.
- Cadaver study on the stability of the STAR and the Agility total ankle at the time of implantation.

#### Research Coordinator

Research co-ordination has included:

1. CIHR grant applications in conjunction with CHEOS. This grant was submitted to support a randomized prospective study on ankle fusion versus replacement. The grant application was submitted in December of 2007. Further funds for this study have been obtained from the American Orthopedic Foot and Ankle Society and the Canadian Orthopaedic Research Legacy fund. We were close to funding for 2019, and the 2020 competition has been cancelled.
2. Application for the 2020 Kappa Delta award for outcomes research in total ankle.
3. We have conducted a pilot study for Biomimetic on the use of GEMOS (recombinant PDGF) for foot and ankle fusions. This was an FDA study. 25 of 60 Canadian patients were entered from the Vancouver arm. The results of the Canadian study were presented at the AOFAS meeting in 2008. This research has transitioned into studies with Wright medical who purchased the company. We have continued to do longer term follow up, determine the relationship between percent fusion and outcome, how to measure fusion rate, and what the comparative outcomes are for bone graft substitutes versus autograft.



4. A database has been set up studying the outcomes of end stage ankle arthritis. This database was used to publish a comparison of preoperative scores of end stage ankle and hip arthritis. This paper won the Roger Mann Award for best paper at the 2007 meeting of the American Orthopaedic Foot and ankle Society. A second study won the Roger Mann Award in 2012 presented on a comparison of outcomes of ankle fusion vs ankle replacement. A third study won the Takakura award at the international foot and ankle societies meeting comparing patient satisfaction between ankle fusion and replacement. We have defined criteria to measure adverse events in ankle fusion and replacement, leading to an editorial position statement by Foot and Ankle international, the leading Foot and Ankle outcomes journal.
5. Tourniquet research. A series of studies have been completed outlining the current risks of tourniquet use. Further studies include articles on the limb occlusion pressure of wide and narrow tourniquet cuffs, and a randomized prospective study on the use of limb occlusion pressure in foot and ankle practice.
6. Development of foot and ankle arthroscopy: Providence is a leading center in foot and ankle arthroscopy. We wish to develop a similar database for foot and ankle arthroscopy and develop techniques to improve the outcome of foot and ankle fusions. Studies are underway to investigate the outcomes of Osteochondral defects of the talus. This has resulted in 3 sponsored studies involving PDGF, Amniox (an amniotic membrane) and Biocartilage.
7. We have studied the outcomes of Cartiva (a hydrogel hemiarthroplasty) compared to fusion for first MTP joint arthritis. This is the largest randomized prospective study in the forefoot. The outcomes are continued to be studied. I am on the design team looking at novel applications of this technology and improving the current MTP joint design. The outcomes research for this device has resulted in two Roger Mann Awards.
8. Investigator initiated study. Fibular nail study for patients with Diabetes. 11 of 11 patients recruited final follow up performed. This shows that less invasive surgery is a viable option for patients with diabetes and ankle fractures with a lower risk of wound complications. I continue to work with the company on the redesign of the nail and technique.
9. Durolane study: Design phase and initial funding approved by the company for a 35 patient pilot study. Principle investigator.
10. Zimmer TAR study: Principle investigator Vancouver site. A 10 year prospective outcome study on the Zimmer Trabecular Metal ankle joint replacement. Papers have been presented nationally and internationally. We are currently involved in setting up an investigator initiated sponsored study looking at the comparative outcomes of Zimmer ankle arthroplasty compared to HIntegra ankle replacement.
11. Osteochondral defects (OCD) of the talus: COFAS multicenter study. PI for the Vancouver site. A 15 patient RCT on weight bearing vs non weight bearing after OCD debridement.
12. COFAS database coordinator for the last 8 years. This involves collating and supervising papers derived from the COFAS database. Organization of monthly conference calls and ensuring that papers are progressing to publication and presentation.

13. Reoperation coding after ankle arthritis surgery. A supervised paper with a fellow has shown over 600 different terms for complications after ankle replacement. To make a system to better document terminology with COFAS I have designed a reoperation classification system. This has been published with a further paper demonstrating similar concerns with respect to reporting outcomes for ankle fractures.
14. Principle investigator on the Acutrak study, an investigator initiated sponsored randomized controlled study: This is a 95 patient prospective randomized trial comparing partial thread versus full thread screws on the fusion rate for subtalar arthritis. We have enrolled 45 patients to date.

(b) **Research or equivalent grants (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))**

<b>Granting Agency</b>	<b>Subject</b>	<b>COMP</b>	<b>\$ Per Year</b>	<b>Year</b>	<b>Principal Investigator</b>	<b>Co-Investigator(s)</b>
BC Health Care & Science Council	Forces During Femoral Lengthening in Children	C	\$24,000	1989	Dr. J. Morrison	Dr. A. Younger Dr. W.G. Mackenzie
BC Health Care	Paediatric Forearm Fractures	C	\$11,000	1991	Dr. S. Tredwell	W.G. Mackenzie A. Younger
BC Health Care	The Biomechanics of Distraction Callus After Limb Lengthening	C	\$19,000	1993	Dr. W.G. Mackenzie	J. Morrison A. Younger
Worker's Compensation Board of BC	Strength of lateral ligament reconstruction using Gracilis	C	\$32,000	2001	Dr. A. Younger	Dr. T. Oxland Dr. J.P. Veri
Wright Medical	The single stage management of Diabetic foot infections using osteoset beads	NC	\$14,000	2001	Dr. A. Younger	Dr. K. Stothers and Dr. T. Kalla
Hip Hip Hooray	A comparative review of outcome of ankle joint fusion vs. replacement	C	\$12,000	2003	Dr. A. Younger	Dr. K. Wing.
UBC	A meta-analysis review of outcome of ankle joint fusion vs. replacement	C	\$4,000	2004	Dr. A. Younger	

<b>Granting Agency</b>	<b>Subject</b>	<b>COM P</b>	<b>\$ Per Year</b>	<b>Year</b>	<b>Principal Investigator</b>	<b>Co-Investigator(s)</b>
Hip Hip Hooray	A randomized prospective study on the Mobility vs. Agility total ankle arthroplasty	C	\$4000	2006	Dr. A. Younger	
Biomimetric Inc.	GEM OS 1 Pilot	NC	\$300,000	2006	Dr. A. Younger	
Biomimetric Inc.	GEM OS 1 Pivotal	NC	\$250,000	2007	Dr. A. Younger	Dr. M. Penner, Dr.K. Wing
Depuy Inc.	Comparison of outcomes of Mobility and Agility total ankle replacements	NC	\$30,000	2007	Dr. M. Glazebrook	Dr. A. Younger
American Orthopaedic Foot and ankle society	Randomized prospective study of ankle fusion and replacement	C	10,000	2006	Dr. M. Glazebrook	Dr. A. Younger, Dr. M. Penner, Dr. K. Wing
Wyeth Labs	TIGER study – analysis of diabetic wound healing	NC	100,000	2007	Dr. T. Kalla	Dr. A. Younger
Canadian Orthopaedic Research Legacy	Randomized prospective study of ankle fusion and replacement	C	20,000	2007	Dr. M. Glazebrook	Dr. A. Younger, Dr. M. Penner, Dr. K. Wing
Roger Mann Award	Outcomes of end stage ankle arthritis	C	8,000	2007	Dr. M. Glazebrook	Dr. M. Penner, Dr, K. Wing
Biomimetric Inc.	Augment injectable Pivotal study	NC	\$200,000	2009	Dr. A. Younger	Dr. M. Penner, Dr. K. Wing
Carticept inc.	Motion study	NC	60,000	2009	Dr. A. Younger	Dr. M. Penner, Dr. K. Wing
Bioset Inc.	Amplex study	NC	80,000	2010	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, Dr. S. Pinney
Biomimetic Inc.	Augment injectable multicenter pivotal Canadian study	NC	100,000	2010	Dr. A. Younger	Dr. S. Pinney, Dr. M. Penner, Dr. K. Wing
Orthopaedic Research excellence fund	Randomized prospective study of ankle fusion vs replacement	C	25,000	2011	Dr. A. Younger	Dr. S. Pinney, Dr. M. Penner, Dr. K. Wing
Carticept educational grant award	Motion study	NC	10,000	2011	Dr. A. Younger	Dr. M. Penner Dr. K. Wing
Integra foundation	Outcomes of Hintegra ankle replacements	C	60,000	2011	Dr. M. Penner	Dr. A. Younger Dr. K. Wing

<b>Granting Agency</b>	<b>Subject</b>	<b>COM P</b>	<b>\$ Per Year</b>	<b>Year</b>	<b>Principal Investigator</b>	<b>Co-Investigator(s)</b>
Smith and Nephew Inc.	Exogen study	C	30,000	2011	Dr. K. Wing	Dr. A. Younger Dr. S. Pinney Dr. M. Penner
Acumed Inc.	Fibular Nail Study	NC	70,000	2011	Dr. A. Younger	Dr. S. Pinney Dr. K. Wing Dr. M. Penner
Biomimetic Inc.	OCD study	NC	60,000	2011	Dr. A. Younger	
Biomimetic Inc.	Augment injectable multicenter pivotal Canadian and US study	NC	100,000	2011	Dr. A. Younger	Dr. S. Pinney Dr. K. Wing Dr. M. Penner
Carticept educational award grant	Motion study	NC	15,000	2011	Dr. A. Younger	Dr. S. Pinney Dr. K. Wing Dr. M. Penner
Integra foundation	Outcomes of Hintegra ankle replacements	NC	60,000	2013	Dr. M. Penner	Dr. A. Younger Dr. K. Wing
Bioventus	Durolane for ankle arthritis: Pilot study.	NC	100,000	2014	Dr. A. Younger	Dr. K. Wing Dr. M. Penner
Zimmer Inc.	TM metal outcomes	NC	55,000	2014	Dr. A. Younger	Dr. K. Wing Dr. M. Penner
Amniox	Placental membrane for first MTP joint release after hallux valgus surgery	NC	50,000	2014	Dr. M. Penner	Dr. A. Younger Dr. K. Wing
Acumed	Comparison of plates versus screws for first MTP fusion	NC	10,000	2016	Dr. K. Hunt,	Dr. A. Younger, Dr. T. Baldini
Acumed	Comparison of plates partial thread screws vs. full thread screws for subtalar fusion	NC	10,000	2016	Dr. K. Hunt,	Dr. A. Younger, Dr. T. Baldini
Acumed	Full thread headless vs partial thread cancellous screws for subtalar fusion: RCT.	NC	411,000	2016	Dr. A. Younger	Dr. K. Wing Dr. M. Penner Dr. A. Veljkovic
Orthopaedic research excellence fund	STATE study: A prospective study on health status in patients with foot and ankle problems	C	23,000	2016	Dr. K. Wing	Dr. J. Sutherland, Dr. M. Penner, Dr. A. Veljkovic.

Granting Agency	Subject	COM P	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)
Carticept	MOTION long term follow up	NC	11,000	2016-2017	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, A. Veljkovic
Wright medical Inc.	Augment Long term follow up	NC	50,000	2016-2017	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, A. Veljkovic
Ferring Inc.	Amplex RCT	NC	100,000	2017 - 2019	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, A. Veljkovic
Wright medical	Non-union analysis	NC	150,000	2018-	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, Dr. A. Veljkovic
Wright medical	Valor nail study	NC	150,000	2019-	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, Dr. A. Veljkovic
Wright medical	SPECT study	NC	150,000	2019-	Dr. A. Younger	Dr. K. Wing, Dr. M. Penner, Dr. A. Veljkovic
Zimmer Inc.	Sub chondroplasty study	NC	100,000	2018-	Dr. A. Younger	Dr. K. Wing, Dr. A. Veljkovic
Amniox	OCD study	NC	100,000	2014-2018	Dr. M. Penner	Dr. A. Younger, Dr. A. Veljkovic, Dr. K. Wing

A summary of current grants:

Study	Sponsor	w/o overhead CAD	overhead	w overhead CAD
Acutrak	Acumed	\$353,216	30%	\$459,181
Zimmer TAR	Zimmer	\$223,275	25%	\$279,094
Stimulan	Biocomposites	\$83,600	30%	\$108,680
Subchondroplasty	Zimmer	\$28,923	30%	\$37,600
Non Union	Wright Medical	\$108,481	30%	\$141,025
Valor Nail	Wright Medical	\$40,505	30%	\$52,657

Total funding: \$1,078,237

(c) Research or equivalent contracts (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).

<b>Granting Agency</b>	<b>Subject</b>	<b>COM P</b>	<b>\$ Per Year</b>	<b>Year</b>	<b>Principal Investigator</b>	<b>Co-Investigator(s)</b>
Zimmer educational grant	Support for foot and ankle fellowship	NC	60,000	2006	Dr. A. Younger	Dr. M. Penner and Dr. K. Wing
Synthes educational grant	Support for foot and ankle fellowship	NC	20,000	2009	Dr. M. Penner	Dr. A. Younger and K. Wing
Wright medical educational grant	Support for foot and ankle fellowship	NC	20,000	2009	Dr. M. Penner	Dr. A. Younger and Dr. K Wing
Synthes Educational grant	Support for foot and ankle fellowship	NC	55,000	2014	Dr. K. Wing	Dr. M. Penner and Dr. A. Younger
Arthrex Educational grant	Support for foot and ankle fellowship	NC	50,000	2014	Dr. K. Wing	Dr. M. Penner and Dr. A. Younger
Depuy Synthes Educational Grant	Support for foot and ankle fellowship	NC	25,000	2016	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger
Wright medical educational grant	Support for foot and ankle fellowship	NC	50,000	2016	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger
Wright medical educational grant	Support for foot and ankle fellowship	NC	50,000	2017	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger
Wright medical educational grant	Support for foot and ankle fellowship	NC	50,000	2018	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger
Wright medical educational grant	Support for foot and ankle fellowship	NC	50,000	2019	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger
Arthrex Educational grant	Support for foot and ankle fellowship	NC	50,000	2019	Dr. A. Veljkovic	Dr. M. Penner. K. Wing and A. Younger

**(d) Invited Presentations**

### **Visiting Professor:**

1. Visiting Professor: "The Present Role of Total Ankle Arthroplasty", Grand Rounds in Orthopaedics, Calgary, AB, October 5, 2000.
2. Visiting Professor: "Assessment and Treatment of the Cavus Foot", Glen Edwards Days, University of Calgary, May 2002.
3. Visiting Professor: "Post Trauma Foot and Ankle Reconstruction", Royal College of Physicians and Surgeons of Canada Visiting Lecturer, Glen Edwards Days, University of Calgary, May 2002.
4. Visiting Professor: "Update on ankle arthroplasty". University of McGill Grand Rounds, October 2006.
5. Visiting Professor: "Lateral Ligament Instability", Visiting Professor at the University of Manitoba, November 8, 2005.
6. Visiting Professor: "Ankle Instability", Grand Rounds, North Western University, November 2006.
7. October 14, 1997: Invited Speaker: North American Travelling Fellowship Presentation: "The Mechanical Properties of Distraction Callus Generated during Ilizarov Lengthening": McMaster University, Hamilton, ON.
8. October 15, 1997: Invited Speaker: North American Traveling Fellowship Presentation: The PROSTALAC Concept in the Management of the Infected Total Hip Arthroplasty": University of Manitoba, Winnipeg, MB.
9. October 17, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The Mechanical Properties of Distraction Callus Generated during Ilizarov Lengthening": University of Minnesota, Minneapolis, MN.
10. October 20, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "Shoulder Translation and Apprehension in Unilateral Post Traumatic Dislocation": Mayo Clinic, Rochester, MN.
11. October 23, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "Orthopaedic Radiographic Assessment: Do You See What I See?": University of Iowa, Iowa City, IA.
12. October 24, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The PROSTALAC Concept in the Management of the Infected Total Hip Arthroplasty": Loyola University, Chicago, IL.
13. October 28, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "Orthopaedic Radiographic Assessment: Do You See What I See?": University of Cincinnati, Cincinnati, OH.
14. October 29, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The Mechanical Properties of Distraction Callus Generated during Ilizarov Lengthening": Case Western Reserve, Cleveland, OH.
15. October 30, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The Mechanical Properties of Distraction Callus Generated during Ilizarov Lengthening": Cleveland Clinic, Cleveland, OH.

16. October 31, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The PROSTALAC Concept in the Management of the Infected Total Hip Arthroplasty": University of Michigan, Ann Arbor, MI.
17. November 3, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The PROSTALAC Concept in the Management of the Infected Total Hip Arthroplasty": Campbell Clinic, Memphis, TN.
18. November 5, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The PROSTALAC Concept in the Management of the Infected Total Hip Arthroplasty": Washington University, St. Louis, MO.
19. November 6, 1997: Invited Speaker: North American Traveling Fellowship Presentation: "The Assessment of Long Bone Angulation": University of Texas, Dallas, TX.
20. April 16, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Southampton, UK.
21. April 18, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Bristol, UK.
22. April 20, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Edinburgh, UK.
23. April 23, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Reducing Tourniquet Complications for Foot and Ankle Surgery": Sheffield, UK.
24. April 25, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Wroughton, UK.
25. April 27, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Foot and Ankle Reconstruction": Orthopaedic Surgery Core Curriculum, Warwick University, England, UK.
26. May 1, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Royal National Orthopaedic Hospital, Stanmore, England.
27. May 2, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Podium Presentation, Imperial College Hospital, London, England.
28. May 7, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "The 3M Award for Quality Improvement in Health Care": Sydney, Australia.
29. May 8, 2007: Invited Speaker: Podium Presentation ABC Fellowship: "Multicentred Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis": Brisbane, Australia.



30. May 11, 2007: Invited Speaker: Podium Presentation ABC Fellowship: “Multicentered Prospective Cohort Study of the Clinical Outcome of Patients Treated with Total Ankle Arthroplasty vs. Ankle Arthrodesis”: Australian College of Surgeons: Melbourne, Australia.
31. Invited Speaker: Podium Presentation ABC Fellowship: “Update on Ankle Instability”: Auckland, New Zealand. May 17, 2007.
32. Visiting Professor, University of Montreal Department of Orthopaedics, May 2008. (include talks)
33. Visiting Professor, “Ankle Instability – an update “New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson New Zealand, November 1 to 2 2008.
34. Visiting Professor, “Arthroscopic Ankle Fusion “New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson New Zealand, November 1 to 2 2008.
35. Visiting Professor, “Ankle Arthritis – outcomes: The Canadian Prospective “New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson New Zealand, November 1 to 2 2008.
36. Visiting Professor, “Ankle Arthritis – the use of osteotomies “New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson New Zealand, November 1 to 2 2008.
37. Visiting Professor, “Cavus foot reconstruction “New Zealand Orthopaedic Foot and Ankle Society Annual Meeting, Nelson New Zealand, November 1 to 2 2008.
38. Mark Glazebrook, **Younger AS**: Invited speaker ABC fellowship. Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, Nottingham City Hospital, Nottingham, United Kingdom, April 22, 2009.
39. Mark Glazebrook, **Younger AS**: Invited speaker ABC fellowship. Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, Nottingham City Hospital, Nottingham, United Kingdom, April 22, 2009.
40. Mark Glazebrook, **Younger AS**: Invited speaker ABC fellowship. Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, University of Edinburgh, Edinburgh, Scotland, April 23, 2009.
41. Mark Glazebrook, **Younger AS**: Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, Cappagh National Orthopaedic Hospital, Finglas, Dublin, Ireland. May 4, 2009.
42. Mark Glazebrook, **Younger AS**: Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, Combined Meeting of Bararwanath and Johannesburg Hospital, Johannesburg, South Africa. May 16, 2009.
43. Mark Glazebrook, **Younger AS**: Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis, Emoya University, Durban, South Africa. May 18, 2009.

44. Mark Glazebrook, **Younger AS**: Surgical Treatment of End Stage Ankle Arthritis: Canadian Orthopedic Foot and Ankle Society Multicenter Study on Total Ankle Arthroplasty vs. Ankle Arthrodesis. Sports Science Institute: Stellenbosch University, Cape Town, South Africa. May 20, 2009.
45. Visiting Professor: "Ankle Instability". University of California Los Angeles Resident Rounds, May 27<sup>th</sup>, 2009.
46. Visiting Professor: "Ankle Arthritis: The Canadian Experience". University of California Los Angeles Grand Rounds, May 27<sup>th</sup>, 2009.
47. Visiting Professor: "Ankle arthritis: The Canadian Experience". 9<sup>th</sup> annual foot and ankle lectureship, University of Michigan. Friday October 23<sup>rd</sup>, 2009.
48. Visiting professor: Saudi Arabian Orthopaedic Association meeting: End Stage Ankle Arthritis: The Canadian Experience. Presidential Guest Speaker. January 21<sup>st</sup>, 2010.
49. Visiting professor: Saudi Arabian Orthopaedic Association meeting: Supramaleolar osteotomy for treatment of ankle arthritis. January 21<sup>st</sup>, 2010.
50. Visiting professor: Saudi Arabian Orthopaedic Association meeting: The Lapidus procedure for hallux valgus. January 21<sup>st</sup>, 2010.
51. Visiting professor: Saudi Arabian Orthopaedic Association meeting: Treatment of the primary osteochondral injuries of the ankle. January 21<sup>st</sup>, 2010.
52. Visiting professor: Saudi Arabian Orthopaedic Association meeting: Flat foot deformity. January 21<sup>st</sup>, 2010.
53. Visiting Professor: "Acute Post- Traumatic Plano valgus Deformity with HF Ligamentous Pathology". . Central Cluster Hong Kong Foot and ankle Symposium: November 16<sup>th</sup>, 2011.
54. Visiting Professor: "Subtalar Arthritis: Fusion and Arthroscopy". . Central Cluster Hong Kong Foot and ankle Symposium: November 16<sup>th</sup>, 2011.
55. Visiting Professor: "Shockwave treatment for foot and ankle conditions". Central Cluster Hong Kong Foot and ankle Symposium: November 16<sup>th</sup>, 2011.
56. Guest lecturer: "Open Management of Lateral Ankle Instability". Central Cluster Hong Kong Foot and ankle Symposium: November 17<sup>th</sup>, 2011.
57. Visiting Professor: "Abnormal findings outside the first ray in Hallux Valgus.". Central Cluster Hong Kong Foot and ankle Symposium: November 17<sup>th</sup>, 2011.
58. Visiting Professor: "Management of Severe Non-Reducible Claw Toe deformity". Central Cluster Hong Kong Foot and ankle Symposium: November 17<sup>th</sup>, 2011.
59. Visiting Professor: "Ankle Fusion vs. Total Ankle Replacement". Central Cluster Hong Kong Foot and ankle Symposium: November 18<sup>th</sup>, 2011.
60. Visiting Professor: "The clinical outcome of Agility vs. STAR". Central Cluster Hong Kong Foot and ankle Symposium: November 18<sup>th</sup>, 2011.
61. Visiting Professor: "Surgeon Training and Complications in TAR". Central Cluster Hong Kong Foot and ankle Symposium: November 18<sup>th</sup>, 2011.

62. Visiting Professor: "TAR combined with HF fusion for Pantalar Arthritis". Central Cluster Hong Kong Foot and ankle Symposium: November 16<sup>th</sup>, 2011.
63. Keynote speaker, "Foot and ankle fusions". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
64. Keynote speaker, "Treatment of the diabetic foot". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
65. Keynote speaker, "Acquired flat foot management". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
66. Keynote speaker, "Arthroscopic treatment of fractures". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
67. Keynote speaker, "Surgical treatment of end stage ankle arthritis". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
68. Keynote speaker, "Treatment of the rheumatoid foot". Hong Kong Orthopaedic Association Meeting. November 19<sup>th</sup>, 2011.
69. Visiting Professor: "Subtalar Arthroscopy". The Orthopaedic Learning Centre at the Chinese University of Hong Kong. 21<sup>st</sup> November 2011.
70. Visiting Professor: "Hallux Valgus: Why did my basal osteotomy go wrong?" Annual symposium of the Swiss Foot and Ankle Society, Lucerne, Switzerland, Jan 2012.
71. Visiting Professor: "Hallux rigidus". Annual symposium of the Swiss Foot and Ankle Society, Lucerne, Switzerland, Jan 2012.
72. Visiting Professor: "Moderator: Case presentations". Annual symposium of the Swiss Foot and Ankle Society, Lucerne, Switzerland, Jan 2012.
73. Visiting Professor: "Compartment syndrome of the foot – does it matter?" Edinburgh trauma symposium, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
74. Visiting Professor: "Calcaneal Fractures". Edinburgh trauma instructional course, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
75. Visiting Professor: "Midfoot and Forefoot Fractures". Edinburgh trauma instructional course, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
76. Visiting Professor: Practical workshop: "Calcaneal fractures". Edinburgh trauma instructional course, Edinburgh, Scotland, 16<sup>th</sup> August 2012.
77. Visiting Professor: "Ankle fractures – the syndesmosis". Edinburgh trauma symposium, Edinburgh, Scotland, 17<sup>th</sup> August 2012.
78. Visiting Professor: "Ankle fractures. Neuropathic and Diabetic Patients". Edinburgh trauma symposium, Edinburgh, Scotland, 17<sup>th</sup> August 2012.
79. Visiting Professor: Fibular nails: Hands on lab. Edinburgh trauma symposium, Edinburgh, Scotland. 17<sup>th</sup> August 2012.

80. Visiting Professor: “The Mobility Total Ankle Arthroplasty: The Canadian Experience”. British Orthopaedic Foot and Ankle Society. Newport Wales, November 14<sup>th</sup>, 2012.
81. Visiting professor, “Revision of failed total ankle replacement to ankle replacement”. Royal College of Physicians and Surgeons of Glasgow Symposium on Ankle Arthritis, Glasgow, Scotland, November 23<sup>rd</sup>, 2012.
82. Visiting professor, “Conversion of ankle fusion to ankle replacement – the final frontier”. Royal College of Physicians and Surgeons of Glasgow Symposium on Ankle Arthritis, Glasgow, Scotland, November 23<sup>rd</sup>, 2012.
83. Visiting professor, Ian Kelly Memorial Lecture, “Ankle Arthritis- What have we learned? The Canadian Experience”. Royal College of Physicians and Surgeons of Glasgow Symposium on Ankle Arthritis, Glasgow, Scotland, November 23<sup>rd</sup>, 2012.
84. Visiting professor, Yale University, “Ankle arthritis – lessons learned in Canada”. Grand rounds, Sept 27<sup>th</sup>, 2013.
85. Visiting professor, Yale University, “Differences in practicing Orthopaedic Foot and Ankle Surgery in Canada and the US”. Sept 27<sup>th</sup>, 2013.
86. Visiting professor, Baltimore. “Arthroscopic ankle arthrodesis”. October 2014.
87. Visiting professor, Baltimore. “Arthroscopic triple arthrodesis”. October 2014.
88. Visiting professor, Manitoba Orthopaedic Society Meeting, “arthroscopic treatment of ankle and calcaneal fractures” October 2014.
89. Visiting professor, Manitoba Orthopaedic Society Meeting, “Treatment of ankle arthritis- update from COFAS” October 2014.
90. Visiting professor, Manitoba Orthopaedic Society Meeting, “Endocrine aspects of Orthopaedics – optimizing diabetic control in fractures and reconstructions” October 2014.
91. Visiting professor, Baltimore. Foot and ankle arthroscopy meeting. “Arthroscopic triple arthrodesis” September 18<sup>th</sup>, 2015.
92. Visiting professor, Baltimore. Foot and ankle arthroscopy meeting. “Arthroscopic ankle arthrodesis” September 18<sup>th</sup>, 2015.
93. Visiting professor, Baltimore. Foot and ankle arthroscopy meeting. “Foot and ankle anatomy demonstration” September 18<sup>th</sup>, 2015.
94. Visiting professor, Baltimore. Foot and ankle arthroscopy meeting. “First MTP arthroscopy” September 18<sup>th</sup>, 2015.
95. Visiting Professor, University of Chicago grand rounds, 2016. “update in total ankle arthroplasty – the Canadian experience”.
96. Visiting professor, Columbia University, October 2017. “Lessons learned in a Canadian Database”
97. Visiting professor, Hospital for Special Surgery, September 20<sup>th</sup>, 2018. “MIS forefoot surgery”. Evening lecture to fellows, residents and foot and ankle staff.

98. Visiting professor, Hospital for Special Surgery, Grand rounds September 21st, 2018.  
“Treatment of ankle arthritis and an update on modern ankle joint replacement”.
99. Visiting Professor – Foot and Ankle symposium, Singapore, May 2020 – Postponed due to COVID.
100. Invited speaker: Grand rounds at Mc Master. Achilles tendon rupture. Sept 2<sup>nd</sup> 2020.

## **Local Presentations:**

1. Guest Lecturer: "Arthritis of the Upper Extremity", Annual Update on Arthritis for Paramedical Personnel, February 1995.
2. Guest Lecturer: “The Seattle Experience”, Grand Rounds in Orthopaedics, Vancouver General Hospital, March 1998.
3. Guest Lecturer: “The North American Traveling Fellowship 1997”, Grand Rounds in Orthopaedics, Vancouver General Hospital, March 1998.
4. Guest Lecturer: “The Seattle Experience”, Lecture to the BC Podiatric Association, June 1998.
5. Guest Lecturer: “An Update in Foot and Ankle”, Educational Lecture to Rheumatologists at the Arthritis Society, June 1998.
6. Guest Lecturer: “The Rheumatoid Foot”, Educational Lecture to Occupational Therapists and Physiotherapists at the Arthritis Center, January 1999.
7. Guest Lecturer: “The Lapidus Procedure”, Lecture to the BC Podiatric Association, February 1999.
8. Guest Lecturer: “Posterior Tibial Tendonitis”, Lecture to the BC Podiatric Association, February 1999.
9. Guest Lecturer: “Rheumatoid Forefoot Y2K”, Lecture at the Annual Orthopedic Update, the University of British Columbia, June 1999.
10. Guest Lecturer: “The North American Traveling Fellowship 1997”, Grand Rounds in Surgery, St. Paul’s Hospital, July 1999.
11. Guest Lecturer: “Controversies and Fallacies in the Treatment of Adult Flat Foot: The Vancouver Perspective”, Lecture to the North American Traveling Fellows, Vancouver, October 6, 1999.
12. Guest Lecturer: “Total Ankle Arthroplasty”, Lecture to the BC Radiologists Association, April 28, 2000.
13. Guest Lecturer: “Reconstruction of Chondral Defects in the Ankle”, Grand Rounds in Orthopaedics, May 17, 2000.
14. Guest Lecturer: “Chronic Painful Ankle Instability”, Symposium at University of British Columbia Annual Orthopaedic Update, May 25, 2000.

15. Guest Lecturer: "Forefoot Pain: Assessment and Management", Lecture at University of British Columbia Annual Orthopaedic Update, May 25, 2000.
16. Guest Lecturer: "The Diabetic Foot", St. Paul's Hospital 46<sup>th</sup> Annual Update, November 17, 2000.
17. Guest Lecturer: "Achilles Tendonitis and Plantar Fasciitis", St. Paul's Hospital 46<sup>th</sup> Annual Update, November 17, 2000.
18. Guest Lecturer: "Total Ankle Arthroplasty: State of the Art", Grand Rounds in Orthopaedics, January 2001.
19. Guest Lecturer: "Management of Fractures", Sunday Course for Operating Room Nurses at St. Paul's Hospital, March 2001.
20. Guest Lecturer: "Treatment of Foot and Ankle Problems", In-service to Operating Room Staff at St. Vincent's hospital, March 2001.
21. Guest Lecturer: "Pathology of the Deltoid Ligament", Grand Rounds in Orthopaedics, May 2001.
22. Guest Lecturer: "The Management of Adult Flat Foot", Lecture to the American British Canadian Traveling Fellows, May 30, 2001.
23. Guest Lecturer: "Abnormalities in the Ankle Where Imaging may be Helpful", Presentation to St. Paul's Hospital Radiology Grand Rounds, May 2001.
24. Guest Lecturer: "Keep on Dancing: The Avoidance of Foot and Ankle Pain", St. Vincent's Hospital Lecture Series, June 14, 2001.
25. Guest Lecturer: "Treatment of Foot and Ankle Problems", In-service to Ward Staff at St. Vincent's Hospital, September 2001.
26. Guest Lecturer: "Total Ankle Arthroplasty has a Role to Play in Post Traumatic Ankle Arthritis", Point Counterpoint Discussion, Resident's Day, December 2001.
27. Guest Lecturer: "Outcomes of Hindfoot Fusions", Grand Rounds in Orthopaedics, January 2002.
28. Guest Lecturer: "Update on the Surgical Management of Rheumatoid Arthritis", Arthritis Center of BC, March 2002.
29. Guest Lecturer: "The Diabetic Foot", Lecture to the Medical Office Assistants of BC, March 2002.
30. "Foot and Ankle Fractures", Lecture with Dr. G. De Vries, Cast Technicians of Canada Annual Conference, Vancouver, BC, April 2002.
31. Guest Lecturer: "Developments in Foot and Ankle Arthroscopy", University of British Columbia Orthopaedic Update, May 2002.
32. Guest Lecturer: "Foot and Ankle Problems in the Elderly: Keep on Dancing", Public Talk for the St. Vincent's Hospital Foundation, May 2002.

33. Guest Lecturer: "History and Physical Exam of Foot and Ankle Conditions", Lecture to Family Physicians, Columbia Rehabilitation Centre, September 19, 2002.
34. Guest Lecturer: "The Rheumatoid Foot", Teaching Rounds, Rheumatology Residents and Fellows, September 20, 2002.
35. Guest Lecturer: "Reconstruction of the Foot and Ankle", Preadmission Nurses Association of British Columbia, October 24, 2002.
36. Educational Lecturer: Medical Students Interested in Orthopaedics, UBC Orthopaedic Fair, March 1, 2003.
37. Guest Lecturer: "Cavus Foot", Grand Rounds in Orthopaedics, March 12, 2003.
38. Guest Lecturer: "Total Ankle Arthroplasty", University of British Columbia Orthopaedic Update, Implants in Orthopaedics, May 9, 2003.
39. Guest Lecturer: "Current Surgical Management of the Rheumatoid Foot and Ankle". Presentation to Rheumatologists, November 2003.
40. Guest Lecturer: "Keep on Dancing –The Avoidance of Foot and Ankle Pain". St. Paul's Hospital Lecture Series, December 27, 2003.
41. Guest Lecturer: "Traveling Fellowships: The Hong Kong Ambassadorship", Grand Rounds, January 2004.
42. Guest Lecturer: "The Foot and Ankle Clinical Pathways", Presented to the Board of Providence Health Care February 2004.
43. Guest Lecturer: "Foot and Ankle Problems in the Elderly", UBC division of Geriatric Medicine Division Rounds. March 23, 2004.
44. Guest Lecturer: "Prevention and Management of the Neuropathic Foot", BC Diabetes Collaborative, October 21, 2004.
45. Guest Lecturer: "Referring Tips for Family Physicians", Evening Conference, November 3, 2004.
46. Guest Lecturer: "Pathways for Foot and Ankle Surgery", Grand Rounds, Department of Orthopaedics, November 17, 2004.
47. Guest Lecturer: "The Charcot Foot", UBC Update on Diabetic Foot Care, November 21, 2004.
48. Guest Lecturer: "How to Make the Most of your Foot and Ankle Referrals", Family Practice Rounds, St. Paul's Hospital, November 28, 2004.
49. Guest Lecturer: "Foot and Ankle: How a Family Physician May Help", General Practice Rounds, St. Paul's Hospital, December 2004.
50. Guest Lecturer: "Total Ankle Arthroplasty", Nursing Staff Rounds, Mount St. Joseph's Hospital, January 5, 2005.
51. Guest Lecturer: "Foot and Ankle: How a Family Physician May Help", General Practice Rounds, Mount St. Joseph's Hospital, Vancouver, February 2005.

52. Guest Lecturer: “Physical Examination of the Foot and Ankle for Physicians”, Evening Seminar, March 9, 2005.
53. Guest Lecturer: “Everything You Need to Know about Foot Surgery on the Ward”, Nursing Staff Rounds, Mount St. Joseph’s Hospital, October 31, 2005.
54. Guest Lecturer: “Midfoot and Hindfoot Injury”, University of British Columbia Annual Orthopaedic Update, May 4-5, 2005.
55. Guest Lecturer: “Ankle Instability”, Grand Rounds, University of British Columbia, January 2007.
56. Guest Lecturer: "How to Examine the Foot and Ankle", Lecture to Family Physicians, UBC Diamond Center, November 14, 2007.
57. Guest Lecturer: “How to Examine the Foot and Ankle”, Rheumatology residents half day, November 16, 2007.
58. Guest Lecturer: “The ABC Fellowship”, Grand Rounds, Department of Orthopaedics, December 28, 2007.
59. Guest Lecturer: General surgical grand rounds – St. Pauls Hospital: The Canadian Orthopaedic Foot and Ankle society Database. December 2008.
60. Guest Lecturer: Grand Rounds. Department of Orthopaedics at the University of British Columbia – Ankle arthritis – effect of surrounding pathology. Dr. Penner, Madeley and Younger: November 19<sup>th</sup> 2008
61. Guest Lecturer: “Foot and ankle examination” Presentation to family doctors, Information evening 2<sup>nd</sup> April 2009
62. Guest Lecturer: “OCD lesions of the Talus: An EBM approach”. UBC department of Orthopaedics Annual update. April 22<sup>nd</sup>, 2009.
63. Guest Lecturer: “PDGF beta: Role in bone healing and local experience”. UBC department of Orthopaedics Annual update. April 23<sup>rd</sup> 2009.
64. Guest lecturer: “Case presentations in sports medicine” UBC department of Orthopaedics grand rounds. May 6<sup>th</sup>, 2009.
65. Guest lecturer: “Management of foot and ankle complaints” Family Medicine Grand Rounds, Mounts St. Joseph’s hospital, 16<sup>th</sup> June 2009.
66. Guest lecturer: “End Stage ankle arthritis: The Canadian and Vancouver Experience” St. Pauls hospital 7<sup>th</sup> December 2009.
67. Guest Lecturer: “End stage ankle arthritis”. Ladysport information evening March 9<sup>th</sup>, 2011.
68. Guest lecturer: “Arthroscopic treatment of ankle fractures”. Grand Rounds, University of British Columbia, April 27<sup>th</sup>, 2011.
69. Guest lecturer: “Cases in foot and ankle surgery”. University of British Columbia Department of Orthopaedic surgery Annual update, May 5<sup>th</sup>, 2011.



70. Guest lecturer: "Rheumatoid Forefoot". Grand rounds Department of Orthopaedics, University of British Columbia June 22, 2011.
71. Guest lecturer "Technological advances in Foot and ankle care". British Columbia Orthopaedic Association annual update. Vancouver, B.C. May 3<sup>rd</sup>, 2012.
72. Guest Lecturer: "Symptomatic and Asymptomatic Flat Feet". CME on the run. UBC department of family practice. June 1<sup>st</sup>, 2012.
73. Guest lecturer, "Management of the Three Most Common Foot and Ankle Injuries". GP update, Victoria, BC, June 2<sup>nd</sup>, 2012.
74. Guest lecturer, "When to refer and what to do while you are waiting". GP update, Victoria, BC. June 2<sup>nd</sup>, 2012.
75. Guest Speaker. "Diabetes and Vitamin D: Lessons learned from foot and ankle". UBC Department of Orthopaedics Grand Rounds. October 17<sup>th</sup>, 2012.
76. Guest Speaker, "Update in foot and ankle". Mary Pack Arthritis Program Education Day. June 17<sup>th</sup>, 2013.
77. Guest speaker, "Preoperative patient optimization is Essential". UBC update: May 1st, 2014.
78. Guest speaker, CME on the run: "Sprains and Fractures". UBC family medicine dept. June 6<sup>th</sup>, 2014.
79. UBC update: Current state of ankle arthritis. University of British Columbia Department of Orthopaedics Annual Update, May 7<sup>th</sup>, 2015. (lecture given by Kevin Wing due to absence).
80. Grand rounds at the University of British Columbia: "Expectation and Satisfaction in end stage ankle arthritis". Oct 2014.
81. Grand rounds at the University of British Columbia: "Community based Orthopaedic research in ankle arthritis". June 2015.
82. Resident rounds: Flat foot, hallux valgus, Cavus foot. October 15<sup>th</sup>, 2015.
83. Physician Leadership Course: Access to Orthopaedic Care in British Columbia. March 3<sup>rd</sup>, 2016.
84. Grand rounds at the University of British Columbia: "Revision Hallux Valgus Surgery" with Kelly Hynes. April 2016.
85. Guest speaker, "A Strategy to Reduce the Burden of Complications in Foot and Ankle Surgery". UBC update: May 1st, 2016.
86. Guest speaker, "Are We Meeting the Expectations/Outcomes our Patients Demand from us? the foot and ankle experience". UBC update: May 1st, 2016.
87. Ladysport; Foot and ankle Q and A for health care professionals. October 2016.

88. Grand rounds: With Andrea Veljkovic. “Advances in ankle Instability”. October 2016.
89. Grand rounds: With Murray Penner. Advances in Total Ankle Arthroplasty. Vancouver Contributions. November 21<sup>st</sup>, 2016.
90. Grand rounds moderator: Guest speakers Shannon Jackson and Marc Isler: “Orthopaedic aspects of Haemophilia”. April 12<sup>th</sup>, 2017.
91. Speaker evening symposium Quebec and British Columbia sharing experiences in Haemophilia care Orthopaedic Surgery and Haemostasis. “Foot and ankle care in BC in patients with Haemophilia”. April 12<sup>th</sup>, 2017.
92. Orthopaedic Update – May 2017. Complex Fractures of the Tibial Plafond- ORIF vs Arthroplasty/Arthrodesis-
93. Orthopaedic Update – May 2017. Syndesmosis Fixation Solutions/Controversies- Dr. A. Younger
94. Moderator, Grand Rounds, AOFAS travelling fellows’ presentations. July 26<sup>th</sup>, 2017.
95. Moderator, Grand Rounds, NATF travelling fellows’ presentations. September 27<sup>th</sup>, 2017.
96. Grand rounds, November 8<sup>th</sup>, 2017. Update on ankle arthritis – what’s new from the COFAS database.
97. Incorporating Patient Reported Outcome Measurement in Routine Clinical Practice – Dr. A. Younger. UBC update – May 2018.
98. Moderator – Breakout sessions: Foot and ankle trauma and reconstruction cases. UBC update – May 2018.
101. Chair BCOA session; Tips and tricks UBC update – May 2018.
102. Percutaneous Foot and Ankle Surgery: the way forward – Dr. A. Younger. UBC update – May 2018.
103. June 8<sup>th</sup>, 2018: UBC IME on the run: Chronic foot and ankle pain.
104. June 27<sup>th</sup>, 2018: Province wide foot pain rounds: Management of Chronic foot and ankle pain.
105. September 19<sup>th</sup>, 2018: UBC department of Orthopaedics Grand Rounds: BCOA update: How to manage your waitlist to advocate for your patients and improve access to care.
106. June 2019: Fellow presentations. Grand rounds.
107. June 2019: The physician master agreement and what it means for Orthopaedic surgery.
108. September 2019- Disparity and what it means for Orthopaedics.
109. January 2020 – Update on the disparity process. Orthopaedic Grand Rounds.
110. February 2020 – Achilles Tendon. Grand rounds.
111. February 2020 - Common Non traumatic foot problems – Family Medicine update, UBC.

112. April 2020 – Update on COVID – Orthopaedic Grand rounds.
113. 20<sup>th</sup> July 2020 Webinar – billing during COVID for Orthopaedic surgeons. Hosted by SSC.
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### **National presentations:**

1. Guest Lecturer: “Management of the Rheumatoid Foot”, Workshop at the Canadian Rheumatology Conference, Lake Louise, AB, February 1999.
2. Guest Lecturer: “Which End to Fuse?”, Instructional Course on Hallux Rigidus, Canadian Orthopaedic Association Meeting, St. John’s, NF, July 4, 1999.
3. Guest Lecturer: “Is There Another Cause?”, Instructional Course on the Tibialis Posterior Deficient Foot, Canadian Orthopedic Association Meeting, St. John’s, NF, July 6, 1999.
4. Guest Lecturer: “Talar Fractures”, Fourth Biennial Foot and Ankle Symposium, Toronto, April 8-9, 2000.
6. Guest Lecturer: “Management of Osteochondral Lesions of the Talus”, Fourth Biennial Foot and Ankle Symposium, Toronto, April 8-9, 2000.
7. Guest Lecturer: “Ankle Arthroplasty – Indications and Techniques”, Fourth Biennial Foot and Ankle Symposium, Toronto, April 8-9, 2000.
8. Guest Lecturer: “Tarsal Coalition in the Adolescent and Adult”, Fourth Biennial Foot and Ankle Symposium, Toronto, April 8-9, 2000.
9. Guest Lecturer: “Trauma to the Midfoot: Lisfranc Fracture Dislocation”, Instructional Course Lecture Participant, Canadian Orthopedic Association, June 4, 2000.
10. Guest Lecturer: “Ankle Instability: Tendon Supplementation”, Instructional Course Lecture Participant, Canadian Orthopedic Association, June 6, 2000.
11. Guest Lecturer: “Arthroscopy of the Ankle: Portals and Set Up”, Arthroscopic Surgery Symposium, Whistler, BC, February 22, 2001.
12. Guest Lecturer: “Ankle Arthroscopy”, UBC Arthroscopic Surgery Symposium, Whistler, BC, February 22, 2001.
13. Guest Lecturer: “Treatment of Ankle Arthritis: Total Ankle Arthroplasty”, Instructional Course Lecture, Canadian Orthopaedic Association, June 2001.
14. Guest Lecturer: “The Treatment of the Totally Involved Hindfoot”, Canadian Orthopaedic Association Workshop on Rheumatoid Arthritis. Canadian Orthopaedic Association meeting. June 2001.

15. Guest Lecturer: “Clinical Outcomes of Ankle Arthrodesis”, 5<sup>th</sup> Biennial Foot and Ankle Symposium, University of Toronto, April 2002.
16. Guest Lecturer: “Management of Achilles Tendonopathy and Rupture”, 5<sup>th</sup> Biennial Foot and Ankle Symposium, University of Toronto, April 2002.
17. Guest Lecturer: “Talar Fractures”, 5<sup>th</sup> Biennial Foot and Ankle Symposium, University of Toronto, April 2002.
18. Foot and Ankle Fractures”, Lecture with Dr. G. De Vries, Cast Technicians of Canada Annual Conference, Vancouver, BC, April 2002.
19. Guest Lecturer: “Forefoot Pain in General Practice”, Canadian Orthopaedic Foot and Ankle Society Annual Symposium, April 12, 2003.
20. Guest Lecturer: “Shock Wave Therapy to Treat Foot and Ankle Conditions”, Canadian Orthopaedic Foot and Ankle Society Annual Symposium, April 12, 2003.
21. Guest Lecturer: “Use of PDA’s for Recording MOCOMP Credits”, Instructional Course Lecture, May 4, 2003.
22. Guest Lecturer: “Total Ankle Arthroplasty and Fusion”, Canadian Orthopaedic Association Workshop, Winnipeg, MB, October 3, 2003.
23. Guest Lecturer: “Use of PDA’s for Recording MOCOMP credits”, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, October 4, 2003.
24. Guest Lecturer: “The Rheumatoid Hindfoot with Severe Deformity”, University of Toronto Biannual Foot and Ankle Course, Toronto, ON, April 4, 2004.
25. Guest Lecturer: “Surgical Management of the Neuropathic Forefoot Ulcer”, University of Toronto Biannual Foot and Ankle Course, Toronto, ON, April 4, 2004.
26. Guest Lecturer: “Calcaneal Fractures: When to Fix, Fuse or Leave Alone”, University of Toronto Biannual Foot and Ankle Course, Toronto, ON, April 4, 2004.
27. Guest Lecturer: “Ankle Arthrodesis versus Arthroplasty”, University of Toronto Biannual Foot and Ankle Course, Toronto, ON, April 4, 2004.
28. Guest Lecturer: “Management of the Failed Bunion Procedure”, Instructional Course Lecture on Bunions, Canadian Orthopaedic Association Annual Meeting, Calgary, Alberta, June 20, 2004.
29. Guest Lecturer: “The Agility Ankle Replacement”, Canadian Orthopaedic Foot and Ankle Society: Annual Meeting, Calgary, Alberta, June 19, 2004.
30. Guest Lecturer: “Total Ankle Replacement in the Rheumatoid Patient”, Canadian Orthopaedic Foot and Ankle Society: Annual Meeting, Calgary, Alberta, June 19, 2004.
31. Guest Lecturer: “Transmetatarsal Amputation: Indications and Techniques”, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.
32. Guest Lecturer: “Medial Column Fusion Versus Calcaneal Osteotomy”, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.

33. Guest Lecturer: “Global Approach to the Cavus Foot”, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.
34. Guest Lecturer: “Lateral Ligament Reconstruction – Gracilis Tendon”, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.
35. Guest Lecturer: “Calcaneal Fractures – Which Ones to Fix”, Canadian Orthopaedic Foot and Ankle Society Symposium, Vancouver, April 8-9, 2005.
36. Guest Lecturer: “Trauma: Problems around the Foot and Ankle”, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, Montreal, Quebec, June 3, 2005.
37. Guest Lecturer: “Foot and Ankle Surgery: Past, Present and Future”, Guest Lecture, Canadian Orthopaedic Residents Association Meeting, Montreal, Quebec, June 3, 2005.
38. Guest Lecturer: “Options for the Management of Painful Flat Foot Deformity”, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, Montreal, Quebec, June 4, 2005.
39. Guest Lecturer: “How to Start off Well in Practice”, Instructional Course Lecture, Young Surgeons Forum, Canadian Orthopaedic Association Meeting, Montreal, Quebec, June 5, 2005.
40. Guest Lecturer: “Hallux Valgus Correction Surgery”, Instructional Course Lecture, Canadian Orthopaedic Association Meeting, Montreal, Quebec, June 5, 2005.
41. Guest Lecturer: “Assessment of a Multidisciplinary Pathway for Foot and Ankle Surgical Patients from First Hospital Visit to Discharge”, ISQUA Conference, Vancouver, B.C, October 28, 2005.
42. Guest Lecturer: “Examination of the Foot and Ankle”, The College of Family Physicians of Canada: Family Medicine Forum, Vancouver, BC, December 10, 2005.
43. Guest Lecturer: “Congruent Hallux Valgus Deformity and Adolescent Bunions”, Canadian Orthopaedic Foot and Ankle Society Meeting, April 8-9, 2006.
44. Guest Lecturer: “Joint Preservation for Management of Ankle Arthritis”, Canadian Orthopaedic Foot and Ankle Society Meeting, April 8-9, 2006.
45. Guest Lecturer: “Surgeons Role in the Management of Diabetic Neuropathic Disease”, Canadian Orthopaedic Foot and Ankle Society Meeting, April 8-9, 2006.
46. Guest Lecturer: “The Lapidus Procedure”, Instructional Course Lecture, Canadian Orthopaedic Association, May 2006.
47. Guest Lecturer: “How to Interact with the Hospital”, Instructional Course Lecture, Canadian Orthopaedic Association, May 2006.
48. Guest Lecturer: “Lapidus Procedure with Weil and Distal Osteotomies”, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver, B.C, March 30-31, 2007.
49. Guest Lecturer: “Tips to Prevent Amputation in Diabetes”, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver B.C, March 30-31, 2007.

50. Guest Lecturer: “Flat Foot Reconstruction: My Technique”, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver B.C, March 30-31, 2007.
51. Guest Lecturer: “Gracilis Reconstruction for Ankle Instability”, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver B.C March 30-31, 2007.
52. Guest Lecturer: “Graft Jacket: Applications in Diabetic Foot”, Wright Medical Presentation, March 29, 2007.
53. Guest Lecturer: “Post Trauma Reconstruction of Tibial Pilon, Calcaneus and Talar Fractures”, Canadian Orthopaedic Association Meeting, Halifax, Nova Scotia, June 2007.
54. Guest Lecturer: “Diagnosing Forefoot Pain: Hallux Valgus, Arthritis, Sesamoiditis, Synovitis, Stress Fractures”, 8<sup>th</sup> Biennial Canadian Foot and Ankle Symposium, April 12, 2008.
55. Guest Lecturer: “Panel Debate: Ankle Fusion vs. Ankle Replacement”, 8<sup>th</sup> Biennial Canadian Foot and Ankle Symposium, April 12, 2008.
56. Guest Lecturer: “Distraction Subtalar Fusion after Ankle Fracture”, 8<sup>th</sup> Biennial Canadian Foot and Ankle Symposium, April 12, 2008.
57. Guest Lecturer: “Management of the Severe Non Reducible Claw Toe Deformity”, 8<sup>th</sup> Biennial Canadian Foot and Ankle Symposium, April 12, 2008.
58. Guest Lecturer, “Lisfranc Injuries”. Foot and Ankle ICL: Combined Canadian Orthopaedic and American Orthopaedic Association Meeting, Quebec City, June 5, 2008.
59. Guest Lecturer, “Arthroscopic Ankle and Subtalar Fusion”, Foot and Ankle ICL: Combined Canadian Orthopaedic and American Orthopaedic Association meeting, Quebec City, June 6, 2008.
60. Guest lecturer: Canadian Orthopaedic association annual meeting, Whistler. “Supramaleolar osteotomies for ankle arthritis” Workshop on osteotomies. July 5<sup>th</sup>, 2009.
61. Canadian Orthopaedic Foot and Ankle Society Think Tank Meeting, Whistler BC, July 6<sup>th</sup> and 7<sup>th</sup>, Update as Political Representative.
62. Guest lecturer: “Arthroscopic Ankle Fusion” 9<sup>th</sup> Biennial Canadian Orthopaedic Foot and Ankle Symposium. Toronto April 10-11<sup>th</sup> 2010.
63. Guest lecturer: “Debate: Paediatric flat foot: Operative vs. Non operative treatment” 9<sup>th</sup> Biennial Canadian Orthopaedic Foot and Ankle Symposium. Toronto April 10-11<sup>th</sup> 2010.
64. Guest lecturer: “Update on ankle arthritis” 9<sup>th</sup> Biennial Canadian Orthopaedic Foot and Ankle Symposium. Toronto April 10-11<sup>th</sup> 2010.
65. Guest lecturer: “Expert opinion is king, and science doesn’t matter in foot and ankle” Debate with Dr. S. Hansen. Orthopaedic Update Vancouver June 2010.
66. Guest lecturer: “Lisfranc Fracture Dislocation” ICL Canadian Orthopaedic Association Meeting Edmonton Alberta. Friday June 18<sup>th</sup>, 2010.
67. Master Instructor: Workshop on arthroscopic procedures Canadian Orthopaedic Association Meeting Edmonton Alberta. Friday June 18<sup>th</sup>, 2010.

68. Lecturer: Foot and ankle educational evening. Joint solutions. “Results of the recent Augment Bone Graft (rhPDGF-BB) Pivotal clinical Trial”. Edmonton, Alberta Friday June 18<sup>th</sup>, 2010.
69. Lecturer: Foot and ankle educational evening. Joint Solutions: “Fusions of the Future”. Edmonton, Alberta Friday June 18<sup>th</sup>, 2010.
70. Guest Lecturer, COFAS ankle arthroscopy lab. Anatomic dissection for arthroscopy. Vancouver BC. January 26<sup>th</sup>, 2011.
71. Guest Lecturer, COFAS ankle arthroscopy lab. Arthroscopic ankle arthrodesis. Vancouver BC. January 26<sup>th</sup>, 2011.
72. Guest Lecturer, COFAS ankle arthroscopy lab. Arthroscopy of other joints. Vancouver BC. January 26<sup>th</sup>, 2011.
73. Guest Lecturer, “Lisfranc Repair”. Advances in foot and ankle surgery. Cutting edge techniques in fixation. January 27<sup>th</sup>, 2011.
74. Guest Lecturer, “Optimizing the patient for surgery” COFAS biannual meeting, Vancouver BC January 28 to 29<sup>th</sup>, 2011.
75. Guest Lecturer, “Lateral column lengthening and midfoot fusion” COFAS biannual meeting, Vancouver BC January 28 to 29<sup>th</sup>, 2011.
76. Course Moderator, COFAS biannual meeting, Vancouver BC January 28 to 29<sup>th</sup>, 2011.
77. Guest Lecturer, “Management of the Achilles Tendon Rupture” COFAS biannual meeting, Vancouver BC January 28 to 29<sup>th</sup>, 2011.
78. Course coordinator: Canadian Orthopaedic Association Meeting, Foot and ankle arthroscopy lab, July 2011.
79. Guest instructor: Canadian Orthopaedic Association Meeting, Ankle joint replacement saw bones instructor on STAR ankle, July 2011.
80. Guest lecturer: “Arthroscopic ankle fusion: Advantages and Limitations”. Canadian Orthopaedic Association Meeting, ICL New solutions to old problems, July 2011.
81. Guest lecturer: “State of the literature in foot and ankle: How are we doing from an EBM point of view?” Canadian Orthopaedic Association Meeting, ICL Evidence –based Medicine Foot and Ankle, July 2011.
82. Guest lecturer, “Orthopaedic management of the patient with diabetes” COFAS Biannual Meeting Toronto April 21<sup>th</sup> 2012.
83. Guest lecturer “Arthroscopic triple Arthrodesis” COFAS Arthroscopy Lab Toronto April 20<sup>th</sup>, 2012.
84. Guest lecturer “Arthroscopy of the first MTP joint” COFAS Arthroscopy Lab Toronto April 20<sup>th</sup>, 2012.
85. Course moderator, COA arthroscopy lab, Ottawa, June 9<sup>th</sup>, 2012.

86. Guest lecturer, "Multiple Joint Hindfoot and Midfoot Arthritis Joint Requires Multiple Procedures". COA, Ottawa, 8 June 2012.
87. COFAS annual retreat: "Update on research for COFAS". Osoyous, British Columbia. Saturday September 2012.
88. COFAS biannual symposium: Whistler BC. NC fusions to control forefoot supination: How and why. February 1, 2013.
89. COFAS symposium: Whistler BC: What I have learned about reconstructing syndesmosis injuries; How and why. February 1, 2013.
90. COFAS symposium: Whistler BC: TAA ankle arthroplasty - Hintegra my technique. February 2, 2013.
91. COA Annual Meeting. Winnipeg: Small Joint Arthroscopy. June 2013.
92. COA Annual Meeting. Moderator and coordinator Symposium "Adult manifestations of Paediatric Foot Disorders". June 2013.
93. Halifax foot course: Calcaneal Fractures; Comprehensive review. October 2013.
94. Halifax foot course: Minimally Invasive Approach to Calcaneal Fractures. October 2013.
95. Halifax foot course: Foot and Ankle Fractures. October 2013.
96. Halifax foot course: Unstable Ankle Fractures with Fibula Rod System. October 2013.
97. Halifax foot course: Acutrak 2 screws-Foot and Ankle Cases October 2013.
98. COFAS think tank: Toronto, Ontario. Update on the British Columbia constitutional challenge. April 10<sup>th</sup>, 2014.
99. Wright Medical evening meeting on Biologics. Presentation on the use of Osteoset T: 16 years of experience at St. Paul's Hospital. Vancouver BC. April 4<sup>th</sup>, 2014.
100. Update on foot and ankle: Use of Augment injectable with arthroscopic fusions. Toronto Ontario, April 12<sup>th</sup>, 2014.
101. COFAS biennial meeting: University of Toronto. Screws, Rods and Plates: Mini fellowship. Toronto April 11th, 2014.
102. Manitoba Orthopaedic Society Meeting: October 2014. "Endocrine aspects of Orthopaedic Disease: Managing Diabetes and Vitamin D in trauma and reconstruction"
103. Manitoba Orthopaedic Society Meeting: October 2014. "Ankle Arthritis – a COFAS Update"



104. Manitoba Orthopaedic Society Meeting: October 2014. “Arthroscopic ankle and calcaneal fracture reduction”
105. Speaker, COFAS symposium, Whistler 2015. “Arthroscopic treatment of fractures”. January 31<sup>st</sup>, 2015.
106. Speaker, COFAS think tank, Vancouver. “Use of PDGF in my practice”. July 20<sup>th</sup>, 2015.
107. Speaker, COA and CAOS combined symposium. “CAOS in foot and ankle surgery: Current use and challenges”. COA meeting, Vancouver, July 18<sup>th</sup>, 2015.
108. Speaker, COFAS symposium, Toronto: “Portals and technique for arthroscopic ankle fusion”. 14<sup>th</sup> April 2016.
109. Speaker, COFAS symposium: Toronto: “Management of the Ankle Fracture in the Patient with Diabetes”. Toronto, April 13 to 15 2016.
110. Speaker, COFAS symposium, Toronto: “Ligament repair for during ankle fracture”. Toronto April 15<sup>th</sup>, 2016.
111. Speaker, COFAS symposium, Toronto: “Water cooler debates”. April 2016.
112. Speaker, Industry session, COFAS symposium, “Predict model of Nonunion”. April 2016.
113. Speaker, COA meeting: Quebec: “Patients with Diabetes - Case based Discussion”. ICL Saturday June 18<sup>th</sup>, 2016.
114. Guest lecturer, Dewar society meeting, “The minimally invasive surgery revolution in foot and ankle - how it is transforming foot and ankle care and Canada’s role in leading the change”. Halifax, Nova Scotia: September 10<sup>th</sup>, 2016.
115. COFAS Whistler: “Midfoot fusions for flat foot deformity”. February 2<sup>nd</sup>, 2017.
116. Guest lecturer: “Using Research to Advocate for Access to Care in Foot and Ankle: Lessons Learned from the Constitutional Challenge Trial”. Newfoundland and Labrador Surgical Society Meeting, 11<sup>th</sup> of March 2017. Corner Brook, Newfoundland and Labrador.
117. Guest lecturer: University of British Columbia Orthopaedic update: Complex Fractures of the Tibial Plafond- ORIF vs Arthroplasty/Arthrodesis. May 11<sup>th</sup>, 2017.
118. Guest lecturer: University of British Columbia Orthopaedic update: Moderator “Complex fractures involving the foot and ankle – solutions/ controversies”. May 12<sup>th</sup>, 2017
119. Guest lecturer: University of British Columbia Orthopaedic update: Arthroscopically Assisted Ankle Fracture Reduction/Fixation- May 12<sup>th</sup>, 2017

120. Guest lecturer: University of British Columbia Orthopaedic update: Syndesmosis Fixation Solutions/Controversies- May 12<sup>th</sup>, 2017.
121. Guest lecturer: Ankle Symposium COA: When is Total Ankle Replacement the Standard of Care – Alastair Younger, BC. June 2017, Ottawa, Ontario.
122. Canadian Orthopaedic Association: Lab instructor. Ottawa, Ontario. June 2017.
123. Canadian Orthopaedic Association Annual Meeting: MICA techniques. Cadaver lab course, Ottawa, June 17, 2017.
124. COFAS Think Tank meeting April 18<sup>th</sup>, 2018. “Update about Dr. Brian Day’s case at Supreme Court of Canada”
125. COFAS meeting, April 2018. “Calcaneal Osteotomy”. Lab Mount Sinai, Toronto.
126. COFAS meeting, April 2018. “Lisfranc and Midfoot Fractures. Primary Fusion vs ORIF”. Panellist.
127. COFAS meeting, April 2018. “Mistakes I never want to make again”. Break out session.
128. COFAS meeting, April 2018. “The role of minimally invasive forefoot surgery”. Panellist.
129. COFAS meeting, April 2018. “Hallux Valgus Correction- So many options – what do I chose?” Panellist.
130. COFAS meeting, April 2018. “Frieberg’s and Sesamoid Pathology – the role of Arthroplasty”. Moderator.
131. COFAS meeting, April 2018. “Case presentation and panel discussion with the Audience: Minimally vs. Maximally Invasive surgery”. Moderator.
132. Orthoevidence Webinar: Canadian Orthopaedic Association. Foot and ankle faculty May 16<sup>th</sup>, 2018. Polyvinyl alcohol Hydrogel arthroplasty papers review. Faculty.
133. COA annual meeting, June 2018: Management of open foot and ankle injuries.
134. COA annual meeting, June 2018: Resident ICL: walking the walk.
135. COA annual meeting: COFAS subspecialty day: MIS forefoot - Alastair Younger and Peter Lam moderator.
136. Dewar club meeting: Creating a standard for reporting revision surgery after ankle fusion and replacement. September 15<sup>th</sup>, 2018, Niagara on the lake.
137. Dewar club meeting: The Impact of Low-Back Pain (LBP) on Functional Outcomes for Ankle Arthritis treated with Arthroplasty and Arthrodesis September 15<sup>th</sup>, 2018, Niagara on the lake.

138. COFAS conference Whistler; MIS surgery of the foot. Jan 2019.
139. How to do form a research group the value of a database - WeCan – Canadian Orthopaedic Association Meeting Montreal June 22<sup>nd</sup>, 2019.
140. Tricks and tips; Hindfoot MICA – COA meeting COFAS lab Canadian Orthopaedic Association Meeting Montreal June 22<sup>nd</sup>, 2019.
141. Dewar club meeting: Disparity and what it means for Orthopaedics. September 2019.
142. COFAS meeting 2020; Discussions by the water cooler. **Cancelled for COVID.**
143. COFAS meeting 2020: breakout sessions. **Cancelled for COVID.**
144. COFAS meeting 2020: Post-traumatic arthritis in the middle-aged patient: ankle osteotomy vs. ankle fusion vs. ankle replacement? **Cancelled for COVID.**
145. **Biologics: Inject or not inject? Cancelled for COVID.**
146. How do I scope joints in the midfoot / forefoot **Cancelled for COVID.**

### **International Presentations:**

1. Guest Lecturer: “Anatomy of the Foot and Ankle”, American Orthopaedic Foot and Ankle Society’s “Shoe fit” Course, San Diego, CA, September 1997.
2. Course Instructor, Foot and Ankle Arthroscopy Course, Chicago, IL. October 2002.
3. Guest Lecturer: “Achilles Tendon Problems: Ruptures (acute and chronic)”, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 15, 2003.
4. Guest Lecturer: “Osteomyelitis”, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 16, 2003.
5. Guest Lecturer: “Total Ankle Arthroplasty”, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 15, 2003.
6. Guest Lecturer: “The Foot and Ankle Clinical Pathways”, Presentation to the Extended Leadership Forum of Providence Health Care, October 2003.
7. Guest Lecturer: Canadian Orthopaedic Association Ambassador to the Hong Kong Orthopaedic Association, Hong Kong, November 8-9, 2003.
8. Guest Lecturer: “Wide Tourniquet Cuffs and Measurement of Limb Occlusion Pressure Allow Reduction of Tourniquet Pressure”, Presentation to the Hong Kong Orthopaedic Association, November 9, 2003.

9. Guest Lecturer: "Foot and Ankle Problems in the Elderly: Keep on Dancing", Public Talk for the St. Vincent's Hospital Foundation, April 2004.
10. Guest Lecturer: "Hallux Valgus: Overview", Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 20, 2004.
11. Guest Lecturer: "Cavus Foot: Overview", Advanced/Comprehensive Foot and Ankle Reconstruction Course, Puerto Rico, May 21, 2004.
12. Guest Lecturer: "The Diagnosis and Treatment of the Failed Ligament Reconstruction", Symposium at the American Foot and Ankle Society, July 2004.
13. Guest Lecturer: "Ankle Arthroscopy: Indications and Techniques", Fall Course, Arthroscopy Association of North America, December 2004.
14. Guest Lecturer: "Pitfalls in the Diagnosis of Compartment Syndrome", American Orthopaedic Foot and Ankle Society Specialty Day, February 2005.
15. Guest Lecturer: "Treatment Options for Osteochondral Injuries of the Talus", Arthroscopy Association of North America Specialty Day, February 2005.
16. Guest Lecturer: "Bony and Soft Tissue Impingement in the Foot and Ankle", American Academy of Orthopaedic Surgeons Instructional Course Lecture, Chicago, IL, March 21, 2005.
17. Guest Lecturer: "Ankle Instability", Arthroscopy Association of North America Annual Meeting, Hollywood, Florida, April 2005.
18. Guest Lecturer: "Unstable Ankle Fractures: Surgical Treatment", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.
19. Guest Lecturer: "Update on ESWT (Extracorporeal Shockwave Therapy) for Tendinosis", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28 - May 1, 2005.
20. Guest Lecturer: "Role of Shock Wave Therapy and Radiofrequency in Treatment of Chronic Tendinosis", Panel Discussion, The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28 - May 1, 2005.
21. Guest Lecturer: "Management of the Cavus Foot in the Athlete", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.
22. Guest Lecturer: "Achilles Tendon Repair: Open Technique", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.
23. Guest Lecturer: "Frieberg's Disorder and Second MTP Joint Instability", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.
24. Guest Lecturer: "Impingement Lesions: Soft Tissue and Bony", The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.

25. Guest Lecturer: “The Role of Arthroscopy in Ankle Instability”, The American Orthopaedic Foot and Ankle Society Sports Medicine of the Foot and Ankle Course, April 28- May 1, 2005.
26. “Osteochondral Lesions of the Talus: Primary Treatment”, Arthroscopy Association of North America Annual Meeting, Vancouver, BC, May 2005.
27. Guest Lecturer: Mobility Total Ankle Replacement Course, Zurich, Switzerland, October 5-8, 2005.
28. Guest Lecturer: “Primary Treatment of Osteochondral Lesions”, American Academy of Orthopaedic Surgeons: Foot and Ankle Course, October 22, 2005.
29. Guest Lecturer: “Lateral Ligament Instability”, American Academy of Orthopaedic Surgeons: Foot and Ankle Course, October 23, 2005.
30. Guest Lecturer: “Peroneal Tendon Subluxation”, American Academy of Orthopaedic Surgeons: Foot and Ankle Course, October 23, 2005.
31. Guest Lecturer: “Pearls for Reducing Amputation Rates”, Advances and Innovations in Foot and Ankle Surgery, New York City, December 9-10, 2005.
32. Guest Lecturer: “Wound Related Problems”, Advances and Innovations in Foot and Ankle Surgery, New York City, December 9-10, 2005.
33. Guest Lecturer: “Triple Arthrodesis Techniques”, Advances and Innovations in Foot and Ankle Surgery, New York City, December 9-10, 2005.
34. Guest Lecturer: “The Lapidus Procedure for Hallux Valgus”, Advances and Innovations in Foot and Ankle Surgery, New York City, December 9-10, 2005.
35. Guest Lecturer: “Anatomy and Dissection of the Ankle and Foot”, Learning Centre, Chicago, November 2006.
36. Guest Lecturer: “Treatment of Plantar Fasciitis”, Learning Centre, Chicago, November 2006.
37. Guest Lecturer: “Treatment of Primary Osteochondral Defects”, Learning Centre, Chicago, November 2006.
38. Guest Lecturer: “Exposure of the Ankle: Tibial and Fibular Osteotomies”, Learning Centre, Chicago, November 2006.
39. Guest Lecturer: “Tips to Prevent Amputation”, Update in Foot and Ankle, New York City, December 2006.
41. Guest Lecturer: “Rheumatoid Forefoot Deformities”, Instructional Course Lecture, American Academy of Orthopaedic Surgeons, February 2007.
42. Guest Lecturer: “Outcomes of Agility Total Ankle Arthroplasty: The Canadian Experience”, American Orthopaedic Foot and Ankle Society Annual Meeting, Toronto, Ontario, July 13, 2007.

43. Guest Lecturer: “Live Anatomy Demonstration of Ankle, Subtalar and Great Toe Anatomy”, Arthroscopy Association of North America and American Academy of Foot and Ankle Surgeons Masters Course, September 8, 2007.
44. Guest Lecturer: “Osteochondral Lesions of the Talar Dome: Traditional Treatment”, Arthroscopy Association of North America and American Orthopaedic Foot and Ankle Society Masters Course, September 7, 2007.
45. Guest Lecturer: “Exposures for Osteoarticular Grafting: Medial and Lateral Osteotomies”, Arthroscopy Association of North America and American Orthopaedic Foot and Ankle Society Masters Course, September 8, 2007.
46. Guest Lecturer: “Great Toe and Other Small Joint: Applications in the Foot”, Arthroscopy Association of North America and American Orthopaedic Foot and Ankle Society Masters Course, September 8, 2007.
47. Guest Lecturer: “Arthroscopic Anatomy of the Ankle”, Arthroscopy Association of North America Web site online courses, September 21, 2007.
48. Guest Lecturer: “Indications for Foot and Ankle Arthroscopy”, Associated Procedures, Arthroscopy Association of North America Web site online courses, July 24, 2007.
49. Guest Lecturer: “The Rheumatoid Forefoot” Instructional Course Lecture, American Academy of Orthopaedic Surgeons, San Francisco, March 5, 2008.
50. Visiting Lecturer: “OATS vs. Primary Debridement for Osteochondral Lesions of the Talus”, American Orthopaedic Foot and Ankle Society Advanced Course, May 1, 2008.
51. Visiting Lecturer: “Arthroscopic Fusion of the Ankle and Subtalar Joint”, American Orthopaedic Foot and Ankle Society Advanced Course, May 2, 2008.
52. Visiting Lecturer: “Lapidus Procedure for Instability and More”, American Orthopaedic Foot and Ankle Society Advanced Course, May 2, 2008.
53. Visiting Lecturer: “Ankle Instability: Brostrom vs. Reconstruction”, American Orthopaedic Foot and Ankle Society Advanced Course: May 2, 2008.
54. Visiting lecturer: “Anatomy of the foot and ankle” Master Instructor, Foot and Ankle Arthroscopy, AAOS Learning Centre, Chicago, September 13-14, 2008.
55. Visiting lecturer: “Arthroscopic ankle arthrodesis and complex hindfoot fusions” Master Instructor, Foot and Ankle Arthroscopy, AAOS Learning Centre, Chicago, September 13-14, 2008.
56. Visiting lecturer: “Osteotomies to expose the talus” Master Instructor, Foot and Ankle Arthroscopy, AAOS Learning Centre, Chicago, September 13-14, 2008.
57. Visiting lecturer: “Great toe arthroscopy” Master Instructor, Foot and Ankle Arthroscopy, AAOS Learning Centre, Chicago, September 13-14, 2008.
58. Guest lecturer: “Arthroscopy of the hindfoot and forefoot”. Arthroscopy association of North America Fall Meeting, Phoenix Arizona, November 2008
59. Guest Lecturer: “The Rheumatoid Forefoot” Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Las Vegas, February 25, 2009.

60. Guest Lecturer: “Peroneal Tendon Disorders” Instructional Course Lecture, American Academy of Orthopaedic Surgeons, Las Vegas, February 27, 2009.
61. American Orthopaedic Foot and Ankle Society Annual Meeting: Vancouver, BC. “Supramaleolar osteotomies for ankle arthritis” Precourse, July 14<sup>th</sup>, 2009.
62. Master Instructor, Foot and Ankle arthroscopy, Live demonstration anatomy of the foot and ankle, AAOS Learning Centre, Chicago, September 26<sup>th</sup>, 2009.
63. Master Instructor, Foot and Ankle arthroscopy, Arthroscopic ankle fusion, AAOS Learning Centre, Chicago, September 26<sup>th</sup>, 2009.
64. Master Instructor, Foot and Ankle arthroscopy, Osteotomies for exposure of the talus, AAOS Learning Centre, Chicago, September 26<sup>th</sup>, 2009.
65. Master Instructor, Foot and Ankle arthroscopy, Great toe arthroscopy, AAOS Learning Centre, Chicago, September 27<sup>th</sup>, 2009.
66. Guest lecturer: “Advanced arthroscopic Hindfoot fusions”. Palm Desert, November 2009.
67. Guest lecturer: “Rheumatoid forefoot deformities”. AAOS instructional course lecture, New Orleans. March 2010.
68. Guest lecturer:” Peroneal tendons: Fab 5 of the foot and ankle”. AAOS instructional course lecture, New Orleans. March 2010.
69. Guest lecturer: “Medial Column fusions for flat foot deformity” Specialty day presentation, AOFAS, New Orleans. March 2010.
70. Lecturer: “Canadian Trial Results”. Biomimetic information evening, July 2010 National Harbour, Maryland, USA.
71. Guest Lecturer: Vumedi Webinar, “Arthroscopic Ankle Fusions”. Monday 21<sup>st</sup> of September 2010. 270 online participants.
72. Master Instructor, Foot and Ankle arthroscopy, Live demonstration anatomy of the foot and ankle, AAOS Learning Centre, Chicago, September 24<sup>th</sup>, 2010.
73. Master Instructor, Foot and Ankle arthroscopy, Arthroscopic ankle fusion, AAOS Learning Centre, Chicago, September 24<sup>th</sup>, 2010.
74. Master Instructor, Foot and Ankle arthroscopy, Arthroscopic treatment of fractures, AAOS Learning Centre, Chicago, September 26<sup>th</sup>, 2010.
75. Master Instructor, Foot and Ankle arthroscopy, Great toe arthroscopy and Plantar Fascia Release, AAOS Learning Centre, Chicago, September 27<sup>th</sup>, 2010.
76. Guest Lecturer, Arthroscopy Association of North America, Fall Course, Scottsdale Arizona Arthroscopic Arthrodesis for Hindfoot Arthritis: Why and How we do it! November 2010.
77. Symposium Moderator: “Arthroscopic treatment of fractures”. Combined Arthroscopy Association of North America and American Orthopaedic Foot and Ankle Society Session, San Diego February 2011.

78. Guest Instructor: American Academy of Orthopaedic Surgeons Meeting – San Diego Surgical Treatment of Rheumatoid Disease of the Foot and Ankle February 2011.
79. Guest Instructor: “Is "Medical Clearance" Enough? Understanding Medical Issues That Can Affect Your Patients' Outcomes”. American Academy of Orthopaedic Surgeons Meeting – San Diego  
IC 268 February 2011.
80. Guest Instructor: “Arthroscopic treatment of ankle fractures”. Arthroscopy Association of North America Annual Meeting, San Francisco. April 2011.
81. Guest lecturer: “Cases in arthroscopic foot and ankle care”. Arthroscopy Association of North America Annual Meeting, San Francisco. April 2011.
82. Master Instructor: “Ankle, Subtalar, and Great toe dissection”. Foot and ankle course, Orthopaedic Learning Center, Chicago, September 17, 2011.
83. Master Instructor: “Complex hindfoot fusions”. Foot and ankle course, Orthopaedic Learning Center, Chicago, September 17, 2011.
84. Master Instructor: “Arthroscopy in fracture management”. Foot and ankle course, Orthopaedic Learning Center, Chicago, September 17, 2011.
85. Master Instructor: “Great toe arthroscopy”. Foot and ankle course, Orthopaedic Learning Center, Chicago, September 17, 2011.
86. Master Instructor: “Plantar fasciitis”. Foot and ankle course, Orthopaedic Learning Center, Chicago, September 17, 2011.
87. Guest lecturer, “PTT and peroneal tendoscopy”. The Orthopaedic Learning Centre at the Chinese University of Hong Kong. 21<sup>st</sup> November 2011.
88. Guest lecturer: “Complications”. American Orthopaedic foot and ankle society specialty day: San Francisco, February 2012.
89. Guest lecturer: “Endocrine aspects of Orthopaedic care”. ICL: “How can you best optimize your patient for surgery?” American Academy of Orthopaedic Surgeons: San Francisco. February 2012.
90. Invited speaker, “Ankle arthroscopy – principles and technique”. SPINE (Society for Progression and Innovation in the Near East), Beirut, June 28<sup>th</sup>, 2012.
91. Invited speaker, “Back to basics: Ankle and subtalar anatomy”. SPINE (Society for Progression and Innovation in the Near East), Beirut, June 29<sup>th</sup>, 2012.
92. Invited speaker, “Back to basics: Foot and ankle biomechanics talk from Dr. T. Daniels”. SPINE (Society for Progression and Innovation in the Near East), Beirut, June 29<sup>th</sup>, 2012.
93. Invited speaker, “Subtalar Arthroscopy”. SPINE (Society for Progression and Innovation in the Near East), Beirut, June 29<sup>th</sup>, 2012.
94. Invited speaker, “Arthroscopy of other joints in the foot”. SPINE (Society for Progression and Innovation in the Near East), Beirut, June 28<sup>th</sup>, 2012.



95. Invited speaker, "Ankle replacement, principles, results and technique". SPINE (Society for Progression and Innovation in the Near East), Beirut, June 29<sup>th</sup>, 2012.
96. Invited speaker, "Hallux Valgus – an update". SPINE (Society for Progression and Innovation in the Near East), Beirut, June 29<sup>th</sup>, 2012.
97. Webinar guest speaker, Foot innovate, "Foot and ankle fracture arthroscopic reduction and minimally invasive fixation to improve outcomes" July 19<sup>th</sup>, 2012.
98. Webinar speaker, "Why I prefer ankle fusions" Vumedi, August 20<sup>th</sup>, 2012.
99. Master instructor, Live demonstration ankle, subtalar and great toe dissection. AAOS learning center, Chicago September 2012.
100. Master instructor, "Arthroscopic ankle arthrodesis". AAOS learning center, Chicago September 2012.
101. Master instructor, "Complex hindfoot fusions". AAOS learning center, Chicago September 2012.
102. Master instructor, "Great toe Arthroscopy". AAOS learning center, Chicago September 2012.
103. Co presenter, Amarjit Bajwa and Alastair Younger, "Calcaneal fractures". Panjabi Orthopaedic Association Conference 2012, Amritsar India. 26<sup>th</sup> October 2012.
104. Guest speaker, "Arthroscopic arthrodesis for the hindfoot and midfoot arthritis: Is it a reasonable thing to do?" AANA fall course, November 9<sup>th</sup>, 2012.
105. Guest Speaker, "Midfoot trauma: Acute vs. Late Treatment: Should I Approach Them Differently? Should I Fixate or Fuse?" Vu Medi Conference, San Francisco, November 18<sup>th</sup>, 2012.
106. Guest Speaker, "Ankle Trauma: That One Case That I Thought Was Simple...The Dreaded Infection: Should I Quit While I'm Ahead?" Vu Medi Conference, San Francisco, November 17<sup>th</sup>, 2012.
107. Guest Speaker, "Arthritis: Fusion vs. Arthroplasty: The Total Ankle Replacement Case - Talking About A 40-year-old Active Patient: "I Don't Want a Fusion and I Don't Want a Replacement." So, What Do You Want?" Vu Medi Conference, San Francisco, November 17<sup>th</sup>, 2012.
108. Guest Speaker and Chairman; Vumedi - Midfoot trauma. Feb 4th, 2013.
109. Guest Instructor: Primary treatment of Osteochondral lesions of the talus: What is the evidence? March 2013. American Academy of Orthopaedic Surgeons Meeting, Chicago, March 2013.
110. Guest Instructor: "Is "Medical Clearance" Enough? Understanding Medical Issues That Can Affect Your Patients' Outcomes". American Academy of Orthopaedic Surgeons Meeting, Chicago, March 2013.
111. Guest Speaker: "Journal club: What was the best paper I read last year". AOFAS winter meeting. Chicago, March 2013.

112. Guest lecturer: "Sesamoiditis after Medial Column Arthrodesis". AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
113. Guest lecturer: "Is it OK to Operate Through an Ulceration?" AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
114. Guest lecturer: "Malunion with Recurrent Ulcer after Midfoot Arthrodesis". AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
115. Guest lecturer: "Failed Total Ankle Arthroplasty in Equinovarus" AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
116. Guest lecturer: "Chronic pain from the Orthopaedic Standpoint: Canadian Perspective" AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
117. Guest lecturer: "Infected Total Ankle Arthroplasty" AOFAS Complication course. Durham, North Carolina, May 16 to 18, 2013.
118. Guest lecturer: "All you need to know about small joint arthroscopy in sports". AOFAS summer meeting, Hollywood, FL. July 17, 2013.
119. Master instructor, Live demonstration ankle, subtalar and great toe dissection. AAOS learning center, Chicago September 28<sup>th</sup>, 2013.
120. Master instructor, "Plantar Fasciitis". AAOS learning center, Chicago September 29<sup>th</sup>, 2013.
121. Master instructor, "Complex hindfoot fusions". AAOS learning center, Chicago September 28<sup>th</sup>, 2013.
122. Master instructor, "Great toe Arthroscopy". AAOS learning center, Chicago September 28<sup>th</sup>, 2013.
123. Master instructor. "Arthroscopic treatment of Ankle Fractures". AAOS learning center, Chicago September 29<sup>th</sup>, 2013.
124. Guest lecturer: "Ankle arthritis controversies: Cartilage Preservation, fusions and arthroplasty: Ankle arthroplasty salvage". Vumedi event. San Francisco Friday November 22<sup>nd</sup>, 2013.
125. Guest lecturer: "Ankle arthritis controversies: Cartilage Preservation, fusions and arthroplasty: Arthroscopy in fusions". Vumedi event. San Francisco Friday November 22<sup>nd</sup>, 2013.
126. Guest lecturer: "Ankle arthritis controversies: Cartilage Preservation, fusions and arthroplasty: Selecting the right arthroplasty candidate". Vumedi event. San Francisco Friday November 22<sup>nd</sup>, 2013.
127. Guest lecturer: "Flat foot and posterior tibial tendon disorder: My preferred procedure". Vumedi event. San Francisco Friday November 22<sup>nd</sup>, 2013.
128. Guest lecturer: "5<sup>th</sup> metatarsal fracture; When should you operate?". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
129. Guest lecturer: "Calcaneus fracture; arthroscopic techniques". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.

130. Guest lecturer: "Calcaneus fracture; sinus tarsi approach". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
131. Guest lecturer: "Talus fracture; ORIF of talus fractures". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
132. Guest lecturer: "Talus fracture – management of hindfoot deformity". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
133. Guest lecturer: "Ankle fractures: complex ankle fractures". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
134. Guest lecturer: "ankle fractures: syndesmosis instability". Vumedi event. San Francisco Saturday November 23<sup>rd</sup>, 2013.
135. Guest lecturer: "Evidence on factors affecting nonunion in fusion". German foot society meeting. Munich Germany 6 /7<sup>th</sup> December 2013.
136. Guest lecturer: "Evidence in ankle arthritis". German foot society meeting. Munich Germany 6 /7<sup>th</sup> December 2013.
137. Guest lecturer: "Arthroscopic ORIF of the ankle". German foot society meeting. Munich Germany 6 /7<sup>th</sup> December 2013.
138. Guest lecturer: "Video techniques: Arthroscopic ankle fusion and triple arthrodesis". German foot society meeting. Munich Germany 6 /7<sup>th</sup> December 2013.
139. Guest Instructional Course Lecturer: "Osteochondral Lesions of the Talus: Current Treatment Dilemmas", Instructional course lecture, American Academy of Orthopaedic Surgeons (AAOS) March 13 AAOS New Orleans 2014.
140. Guest Instructional Course Lecturer "Achilles Tendon Ruptures: An International Evidence Based Approach to Treatment and Rehabilitation". Instructional course lecture, AAOS New Orleans March 15<sup>th</sup>, 2014.
141. Guest Instructional Course Lecturer: "Ankle arthritis: Defining adverse events". Instructional course lecture, AAOS New Orleans March 16<sup>th</sup>, 2014.
142. "Arthroscopic treatment of ankle fractures". AOFAS winter meeting New Orleans March 17<sup>th</sup>, 2014.
143. Guest lecturer, Registrar teaching, North Shore Hospital, Auckland New Zealand: "Augment bone graft in my practice". August 22<sup>nd</sup>, 2014.
144. Guest lecturer, Registrar teaching, North Shore Hospital, Auckland New Zealand: "Cavus foot". August 22<sup>nd</sup>, 2014.
145. Guest lecturer, Registrar teaching, North Shore Hospital, Auckland New Zealand: "Diabetes in Orthopaedics". August 22<sup>nd</sup>, 2014.

146. Guest lecturer, Registrar teaching, North Shore Hospital, Auckland New Zealand: “Ankle arthritis”. August 22<sup>nd</sup>, 2014.
147. Guest lecturer, Pullman Hotel, Ankle meeting, Auckland New Zealand: “Ankle arthritis- Canadian lessons”. August 23<sup>rd</sup>, 2014.
148. Guest lecturer, Pullman Hotel, Ankle meeting, Auckland New Zealand: “Augment Bone graft – my experience”. August 23<sup>rd</sup>, 2014.
149. Guest lecturer, Pullman Hotel, Ankle meeting, Auckland New Zealand: “Revision of TAA to TAA”. August 23<sup>rd</sup>, 2014.
150. Guest lecturer, Marriott Hotel, Ankle meeting, Melbourne, Australia: “Ankle arthritis- Canadian lessons”. August 24<sup>th</sup>, 2014.
151. Guest lecturer, Marriott Hotel, Ankle meeting, Melbourne, Australia: “Augment Bone graft – my experience”. August 24<sup>th</sup>, 2014.
152. Guest lecturer, Lenna Hotel, Ankle meeting, Hobart, Australia: “Ankle arthritis- Canadian lessons”. August 25<sup>th</sup>, 2014.
153. Guest lecturer, Lenna Hotel, Ankle meeting, Hobart, Australia: “Augment Bone graft – my experience”. August 25<sup>th</sup>, 2014.
154. Guest lecturer, University club, Ankle meeting, Perth, Australia: “Ankle arthritis- Canadian lessons”. August 26<sup>th</sup>, 2014.
155. Guest lecturer, University club, Ankle meeting, Perth, Australia: “Augment Bone graft – my experience”. August 26<sup>th</sup>, 2014.
156. Guest lecturer, Ankle meeting, Newcastle, Australia: “Ankle arthritis- Canadian lessons”. August 27<sup>th</sup>, 2014.
157. Guest lecturer, Ankle meeting, Newcastle, Australia: “Augment Bone graft – my experience”. August 27<sup>th</sup>, 2014.
158. Guest Lecturer. IFFAS/AOFAS meeting. Arthroscopy: Incisions are Too Complicated: Subtalar Arthroscopy: Tighter Spaces. Tuesday 23<sup>rd</sup> September 2014.
159. Guest Lecturer. Baltimore arthroscopy meeting: “Arthroscopic ankle arthrodesis – My technique”. October 3<sup>rd</sup>, 2014.
160. Guest Lecturer. Baltimore arthroscopy meeting: “Arthroscopic triple arthrodesis – how to do it” October 4<sup>th</sup>, 2014.
161. Master instructor, Live demonstration ankle, subtalar and great toe dissection. AAOS learning center, Chicago October 25<sup>th</sup>, 2014.
162. Master instructor, “Complex hindfoot fusions”. AAOS learning center, Chicago October 25<sup>th</sup>, 2014.

163. Master instructor, "Great toe Arthroscopy". AAOS learning center, Chicago October 26<sup>th</sup>, 2014.
164. Master instructor. "Arthroscopic treatment of Ankle Fractures". AAOS learning center, Chicago October 26<sup>th</sup>, 2014.
165. Guest Lecturer. Vu Medi event: "Percutaneous Techniques Should be Used for Acute and Chronic Achilles repairs: Debate – disagree. Open techniques should be used". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
166. Guest Lecturer. Vu Medi event: "Ankle Arthroscopy: How you may be underusing Arthroscopy as a diagnostic tool". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
167. Guest Lecturer. "Minimally invasive techniques in fracture management: Arthroscopic approach to Fibular Fracture". Vu Medi event: San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
168. Guest Lecturer. Vu Medi event: "Submitted case Discussions – foot and ankle reconstruction". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
169. Guest Lecturer. Vu Medi event: "Advanced reconstruction topics: Foot and ankle surgery in Diabetic Patients". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
170. Guest Lecturer. Vu Medi event: "All Ankle Fusions Should be Done Arthroscopically if Possible; Agree". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
171. Guest Lecturer. Vu Medi event: "In a 50-year-old patient ankle arthroplasty is best – Disagree – I prefer fusion". San Francisco, California, November 21<sup>st</sup> to 24<sup>th</sup> 2014.
172. Summit Course: Las Vegas Nevada. Foot and ankle faculty: Plantar fasciitis: Pro: Extracorporeal Shock Wave and Biologics: The Evidence. I win! December 6<sup>th</sup>, 2014.
173. Summit Course: Las Vegas Nevada. Evolving Technique: Complex Hindfoot Fusions: Is There a Role for Arthroscopy? (The Triple Arthrodesis) December 6<sup>th</sup>, 2014.
174. Guest Instructional Course Lecturer: "Osteochondral Lesions of the Talus: Current Treatment Dilemmas", Instructional course lecture, American Academy of Orthopaedic Surgeons (AAOS) March 13 AAOS Las Vegas March 27<sup>th</sup>, 2015.
175. Guest lecturer: Symposium. "Ankle replacement and fusion: "Outcomes of fusions vs. replacements". AOFAS spring meeting, Las Vegas March 28<sup>th</sup>, 2015.
176. Guest lecturer: Symposium. "How to run a database". Research symposium, AOFAS pre course, Long Beach California July 15<sup>th</sup>, 2015.
177. Course Faculty: AOFAS meeting. "Current State of TAR". Symposium on ankle replacement. AOFAS summer meeting, Long Beach, California July 18<sup>th</sup>, 2015.
178. Master instructor, "Complex hindfoot fusions". AAOS learning center, Chicago August 2015.
179. Master instructor, "Great toe Arthroscopy". AAOS learning center, Chicago August 2015.
180. Master instructor. "Arthroscopic treatment of Ankle Fractures". AAOS learning center, Chicago August 2015.

181. Speaker, Journal of Bone and Joint Surgery Webinar, September 28<sup>th</sup>, 2015. “Midterm outcomes of ankle fusion and replacement”.
182. Moderator, Vumedi webinar – December 17<sup>th</sup>, 2015: “Imaging of the Foot and Ankle” with Dr. J. Acevedo, L. Scaglione, M. Clare and M. Creswell.
183. Moderator, ICL AAOS meeting 2016: “OCD talus – current treatment dilemmas”. Orlando, FL.
184. Moderator, Vumedi webinar – February 23<sup>rd</sup>, 2016: “Advances in ankle fusion” with T. San Giovanni and C Hodgeson.
185. Course faculty: “Osteomyelitis: Practical Advice on Prevention and Treatment”. AOFAS Advanced Foot and Ankle Course. Cleveland. April 28 to 30.
186. Course faculty: “Lateral ankle instability with a Cavus foot: When do we need to address the foot and how much is enough”. AOFAS Advanced Foot and Ankle Course. Cleveland. April 28 to 30.
187. Course faculty: “Case presentations – Cavus foot, sports medicine, biologics and infection,” AOFAS Advanced Foot and Ankle Course. Cleveland. April 28 to 30.
188. Global Surgeon Bio skills Course: “Complex Ankle Fractures: Use of pre-contoured plates and Alternative Medial Malleolar Fixation”. Toronto, July 2016.
189. Global Surgeon Bio skills Course: “Syndesmosis and Deltoid Ligament”. Toronto, July 2016.
190. Course Faculty: AOFAS pre meeting Course. Moderator OCD defects. Toronto Ontario. July 20<sup>th</sup>, 2016
191. Course Faculty. AOFAS pre meeting course: “The tough ankle: Algorithms for Valgus Ankle”.
192. Course faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 2016: “Arthroscopic triple arthrodesis”.
193. Course Faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 2016: “Arthroscopic ankle arthrodesis”.
194. Course Faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 2016: “Foot and ankle live dissection”.
195. Course Faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 2016: “Arthroscopy of the MTP joint”.
196. TM ankle users group meeting. Chicago, IL. November 4<sup>th</sup>, 2016. “My first 5 cases and cases of interest”.
197. Course faculty: “Case discussions”. Arthroscopy association of North America Fall Meeting, Las Vegas, November 2016.
198. Orthopaedic summit: Las Vegas December 2016. Ankle arthritis panel: 45-year-old machinist 10 years after ORIF of distal tibia fracture.

199. Orthopaedic summit: Las Vegas December 2016. Osteochondral lesion of the talus: Panel: Ankle arthroscopy – new frontiers – an update.
200. Orthopaedic summit: Las Vegas December 2016. Ankle arthritis panel: 45-year-old machinist 10 years after ORIF of distal tibia fracture.
201. Orthopaedic summit: Moderator and case co-ordinator, Hallux Valgus, 9<sup>th</sup> December 2016.
202. Orthopaedic summit: Las Vegas 9<sup>th</sup> December 2016. Pro – great toe arthroscopy.
203. Orthopaedic summit: Las Vegas 10<sup>th</sup> December 2016. Arthroscopic assisted fractures of the midfoot.
204. Orthopaedic summit: Las Vegas 10<sup>th</sup> December 2016. Tibial plafond fractures: Less is more – update.
205. AAOS meeting March 2017: OCL of the talus- current treatment dilemmas. San Diego, California.
206. AOFAS specialty day: I like to fuse ankles but sometimes a replacement is needed. March 2017.
207. Grand rounds, University of Chicago. Lessons learned in minimally invasive foot surgery in Canada. February 15<sup>th</sup>, 2017.
208. AOFAS webinar; Grand rounds on Ankle Arthritis. Faculty. April 25<sup>th</sup>, 2017.
209. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Percutaneous techniques should be used for acute and chronic Achilles repairs May 18<sup>th</sup>, 2017.
210. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Subtalar arthroscopy. Tighter spaces. May 18<sup>th</sup>, 2017.
211. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Great toe arthroscopy. May 18<sup>th</sup>, 2017.
212. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Ankle arthritis: Defining adverse events. May 18<sup>th</sup>, 2017.
213. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Outcomes of fusions vs ankle replacements. May 18<sup>th</sup>, 2017.
214. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Arthroscopic ankle arthrodesis. May 18<sup>th</sup>, 2017.

215. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Arthroscopic treatment of ankle fractures. May 18<sup>th</sup>, 2017.
216. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Foot ankle surgery in diabetic patient. May 19<sup>th</sup>, 2017.
217. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. The use of the Inbone ankle replacement and revision total ankle arthroplasty cases. May 19<sup>th</sup>, 2017.
218. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. Osteochondral lesions of the talus: current treatment dilemmas. May 20<sup>th</sup>, 2017.
219. Feature speaker: XVIII Congress of the Brazilian Association of Medicine and Surgery of the Foot and Ankle, Gramado - Rio Grande do Sul – Brazil. How may you be underusing ankle arthroscopy as diagnostic tool. May 20<sup>th</sup>, 2017.
220. Moderator: AOFAS annual meeting. Seattle July 2017.
221. Moderator: IFFAS meeting. Lisbon, Portugal September 2017.
222. Course Faculty, IFFAS meeting, Lisbon, Portugal September 2017: “What’s new in ankle arthritis outcomes: Lessons learned from a Canadian Database”.
223. Visiting Professor, Columbia Presbyterian Luke Hospital, New York: September 19<sup>th</sup>, 2017. “What’s new in ankle arthritis outcomes: Lessons learned from a Canadian Database”
224. Course faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 20<sup>th</sup>, 2017: “Arthroscopic triple arthrodesis”.
225. Course Faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 20<sup>th</sup>, 2017: “Foot and ankle live dissection”.
226. Course Faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 20<sup>th</sup>, 2017: “Arthroscopy of the MTP joint”.
227. Course Faculty Acumed Foot and ankle Trauma and Reconstruction Surgical Skills Course. San Francisco October 28<sup>th</sup>. Percutaneous Lisfranc Fracture Fixation
228. Course Faculty Acumed Foot and ankle Trauma and Reconstruction Surgical Skills Course. San Francisco October 28<sup>th</sup>. Ankle Fracture Management: Approaching Fragment Specific Fixation
229. Course Faculty Acumed Foot and ankle Trauma and Reconstruction Surgical Skills Course. San Francisco October 28<sup>th</sup>. Ankle Fusion Arthroscopic vs. Open Alastair (scope) vs. Sferra open



230. Course Faculty Acumed Foot and ankle Trauma and Reconstruction Surgical Skills Course. San Francisco October 28<sup>th</sup>. Faculty Demonstration- Ankle Fusion & Triple Arthrodesis | Acutrak 2
231. Course Faculty Acumed Foot and ankle Trauma and Reconstruction Surgical Skills Course. San Francisco October 28<sup>th</sup>. Faculty Demonstration - Ankle Plating 3 System | Fibula Rod
232. Pittsburgh OCD meeting – panelist for consensus meeting.
233. Industry Lecture: Amniox Medical, Inc. “UC/AM Transplantation for the Treatment of OCD Lesions” Alastair Younger. Pittsburgh OCD meeting – panelist for consensus meeting.
234. Evolving Technique Update: 5 Tips in 5 Minutes: Keys to Evaluating the Acute Ankle Injury Summit meeting, Las Vegas December 6<sup>th</sup>, 2017.
235. THE HINDFOOT Section Moderator: Summit meeting, Las Vegas December 6<sup>th</sup>, 2017.
236. Debate: 53-Year-Old Orthopaedic Surgeon with Pain Playing Tennis Debate: Pro: Arthroscopic Surgery of Midfoot Injuries: Smaller Incisions, Fewer Complications Summit meeting, Las Vegas December 6<sup>th</sup>, 2017.
237. Panel: 21-Year-Old College Junior Soccer Player with Painful Ankle Has Medial Talar OCL, 1.3-cm Diameter Shoulder Lesion: How to Get Her Back for Her Senior Season? Panel Moderator: Summit meeting, Las Vegas December 6<sup>th</sup>, 2017.
238. Moderator, ICL 204, “Osteochondral lesions of the Talus – Current Treatment Dilemmas” AAOS Annual Meeting, New Orleans March 9<sup>th</sup>, 2018.
239. Participant, Vumedi Webinar March 14<sup>th</sup>, 2018. “revision OCD lesions – my preferred technique”.
240. Percutaneous forefoot and percutaneous Lapidus procedure. July 9<sup>th</sup>, 2018. Advanced Minimally Invasive Endoscopic Arthroscopic Foot and Ankle Course. MARC institute, Miami Florida.
241. Endoscopic Hagelund Procedure. July 9<sup>th</sup>, 2018. Advanced Minimally Invasive Endoscopic Arthroscopic Foot and Ankle Course. MARC institute, Miami Florida.
242. Arthroscopic and percutaneous management of Calcaneus fracture. July 9<sup>th</sup>, 2018: Advanced Minimally Invasive Endoscopic Arthroscopic Foot and Ankle Course. MARC institute, Miami Florida.
243. Arthroscopic examination of the syndesmosis. July 9<sup>th</sup>, 2018: Advanced Minimally Invasive Endoscopic Arthroscopic Foot and Ankle Course. MARC institute, Miami Florida.
244. Arthroscopic treatment of ankle fractures. July 10<sup>th</sup>, 2018. Advanced Minimally Invasive Endoscopic Arthroscopic Foot and Ankle Course. MARC institute, Miami

Florida.

245. Duke Foot and ankle Society Meeting: AOFAS. Presentation on outcomes of Zimmer ankle arthroplasties. July 12<sup>th</sup>, 2018.
246. AOFAS summer meeting; Boston Mass: Minimally invasive forefoot surgery. July 14<sup>th</sup>, 2018.
247. Weight bearing CT international study group meeting during AOFAS Summer Meeting: Analysis of Percent bone fusion by weight bearing CT. July 13<sup>th</sup>, 2018.
248. AOFAS summer meeting: Boston Mass; Moderator of Research Symposium, July 13<sup>th</sup>, 2018.
249. AOFAS summer meeting: Industry panel: Biologics Wednesday – role of Augment injectable.
250. AOFAS summer meeting Industry symposium: Augment injectable – the Canadian experience. Update on Biologics. July 11<sup>th</sup>, 2018 Boston MA.
251. AOFAS summer meeting – industry satellite symposia. Cartiva for first MTP arthritis. Case presentation and panel discussion. July 12<sup>th</sup>, 2018.
252. AOFAS summer meeting. Instructor for MIS surgery lab for Wright medical. July 12<sup>th</sup>, 2018.
253. AOFAS summer meeting. Innovation summit for Wright medical. Outcomes of nonunions. July 13<sup>th</sup>, 2018.
254. AOFAS summer meeting. Moderator of the research symposium. July 13<sup>th</sup>, 2018.
255. AOFAS summer meeting. Moderator of total ankle scientific papers. July 12<sup>th</sup>, 2018.
256. AOFAS summer meeting. Instructor for MIS surgery lab for Wright medical. July 13<sup>th</sup>, 2018.
257. AOFAS summer meeting. Augment injectable symposium. July 13<sup>th</sup>, 2018. The cost of nonunion.
258. Visiting professor, Hospital for Special Surgery, September 20<sup>th</sup>, 2018. “MIS forefoot surgery”. Evening lecture to fellows, residents and foot and ankle staff.
259. Visiting professor, Hospital for Special Surgery, Grand rounds September 21st, 2018. “Treatment of ankle arthritis and an update on modern ankle joint replacement”.
260. CMT think tank Chicago IL Oct 7; Plantar fascia release – when and where? Development of a consensus statement.
261. SICOT Montreal 10/11/2018: Current concepts review: Talar Osteochondral lesions. 10.30 to 12.00: Debate – Hallux valgus and talar osteochondral lesions.

262. SICOT Montreal 10/11/2018: I am a fan of MIS Bunion Surgery. Debate – Hallux valgus and talar osteochondral lesions.
263. SICOT Montreal 10/11/2018: Current concepts review: Case discussions. Debate – Hallux valgus and talar osteochondral lesions.
264. GRECMIP Advanced Foot and Ankle Arthroscopy / MIS Percutaneous Course. Hallux MTP arthroscopy and MIS techniques Oct 12 to 14 2018, Baltimore.
265. GRECMIP Advanced Foot and Ankle Arthroscopy / MIS Percutaneous Course. MIS Lapidus Oct 12 to 14 2018, Baltimore.
266. GRECMIP Advanced Foot and Ankle Arthroscopy / MIS Percutaneous Course. Arthroscopic triple Arthrodesis Oct 12 to 14 2018, Baltimore.
267. BOFAS meeting Edinburgh, Scotland; November 7<sup>th</sup>, 2018: Canadian ankle database – What have we learnt? Alastair Younger.
268. BOFAS meeting Edinburgh, Scotland; November 9<sup>th</sup>, 2018: Bone Grafts – when and what? Alastair Younger.
269. Wright Course - New York November 10<sup>th</sup>, 2018. Lab instructor.
270. Summit course – Las Vegas Dec 5<sup>th</sup>, 2018: Arthroscopic ankle arthrodesis – less is better.
271. Section moderator – Ankle Arthritis. Dec 5<sup>th</sup>, 2018: Summit Meeting Las Vegas.
272. Section moderator – OCD talus Dec 6<sup>th</sup>, 2018: Summit Meeting Las Vegas.
273. Hallux valgus – Osteotomy with soft tissue reconstruction – my preferred technique. Dec 6<sup>th</sup>, 2018: Summit Meeting Las Vegas.
274. Hallux rigidus – Cheilectomy – New techniques. Dec 6<sup>th</sup>, 2018: Summit Meeting Las Vegas.
275. Charcot arthropathy – operate immediately. Dec 6<sup>th</sup> 2018: Summit Meeting Las Vegas.
276. Percutaneous techniques in foot and ankle surgery: Moderator and course designer. AAOS meeting Las Vegas March 2019.
277. MIS Lapidus: Panelist: AOFAS webinar on MIS surgery; April 10<sup>th</sup>, 2019.
278. Speaker, Stryker meeting April 2019. Case presentations in foot and ankle - Austin Tx.
279. Sept - 2019. AOFAS meeting Chicago II. Arthroscopy of other joints and foot and ankle surgeries.

280. Visiting Professor: Wed November 6<sup>th</sup> 2019. Fortius clinic FISIC conference – London England. Ligament healing in the ankle – is surgery required? When is surgical repair indicated.
281. Visiting Professor: Wed November 6<sup>th</sup> 2019. Fortius clinic FISIC conference – London England. Biologics; Stem cells in sports injuries – it’s all placebo and snake oil.
282. Friday 8<sup>th</sup> November 2019. ESKA Madrid Biologics Chairs: D. Haverkamp (Netherlands) BMAC/PRP - The Case For BMAC/PRP - The Case Against A. Younger (Canada)
283. Friday November 8<sup>th</sup>, 2019: ESSKA Madrid ESSKA-AFAS summary of ICCRA consensus on the treatment of paediatric talar OCLs - best treatments and future technologies: Early ankle arthritis treatment A. Younger (Canada)
284. Friday 8<sup>th</sup> November 2019: ESSKA Madrid ESSKA-AFAS Syndesmosis Injuries: Management of the chronic injury A. Younger (Canada)
285. Friday 8<sup>th</sup> November 2019: ESSKA Madrid Optimal treatment of end stage arthritis in the young and active population Calc or tibial osteotomies, which work?
286. Friday 8<sup>th</sup> November 2019: ESSKA Madrid Hot topics – panelist – The internal brace is never indicated.
287. Saturday 9<sup>th</sup> November 2019: Moderator ESKA Madrid Optimal treatment of end stage arthritis in the young and active population Chairs: A. Younger (Canada) J. Calder (United Kingdom).
288. Shoe-wear score: total ankle replacement vs fusion 10:15 - 10:20 ESKA meeting Madrid.
289. Summit meeting Las Vegas: December 2019; Moderator – case presentations in ankle arthritis.
290. Summit meeting Las Vegas: December 2019; Hallux rigidus debate: Pro MIS.
291. Summit meeting Las Vegas: December 2019; Trimalleolar fractures.
292. Summit meeting Las Vegas: December 2019; Moderator – case presentations in ankle fractures.
- 293. IFAS meeting Chile percutaneous and minimally invasive surgery. April 2020. Cancelled for COVID-19 isolation.**
- 294. AAOS meeting Orlando Florida 2020: Minimally invasive surgery of the foot and ankle; ICL moderator. Cancelled for COVID-19 isolation.**
- 295. AOFAS specialty day: Outcome scores in Orthopaedics. Cancelled for COVID-19 isolation.**

**296.** AOFAS advanced course: Metatarsal Osteotomies  
Alastair S.E. Younger, MBChB, ChM, FRCSC **Cancelled for COVID-19 isolation.**

**297.** AOFAS advanced course: Freiberg's Disease  
Alastair S.E. Younger, MBChB, ChM, FRCSC **Cancelled for COVID-19 isolation.**

**298.** AOFAS advanced course: Ankle instability: The Ankle Is Loose Again: Now What?  
Alastair S.E. Younger, MBChB, ChM, FRCSC **Cancelled for COVID-19 isolation.**

**299.** AOFAS advanced course: Achilles Rupture Alastair S.E. Younger, MBChB, ChM,  
FRCSC **Cancelled for COVID-19 isolation.**

COA local anesthesia

COA past presidents

300. AOFAS/COFAS/IFFAS webinar: Hallux valgus – current treatment.  
Percutaneous hallux valgus. July 22<sup>nd</sup> 2020.

(d) *Other Presentations - Scientific papers presented at national and international meetings. Supervised student names are underlined. Each paper is designated as local, national and international.*

*The names of trainees have been underlined for easy reference.*

**Local:**

1. **Younger AS**, Orr W, Tennant W, King PM: May 1988. Speaker. Scottish Paediatric Surgical Society: "A Geometric Analysis of Paediatric Forearm Fracture". Edinburgh, Scotland.
2. **Younger AS**, Tredwell SJ, Mackenzie W: The Outcome after Paediatric Forearm Fracture Reduction. Presented at the Annual Orthopaedic Update, University of British Columbia, Vancouver, BC, June 1991.
3. **Younger AS**, Beauchamp C, Duncan C, McGraw R: The Position of the Knee Joint after Total Joint Arthroplasty. Presented at the Annual Orthopaedic Update, University of British Columbia, Vancouver, BC, May 1992.
4. **Younger AS**, Mackenzie W, Gosline J, Morrison J: Articular Cartilage Changes after Tibial Lengthening in Sheep. Awarded 1st prize for research presentation at the Annual Orthopaedic Update, University of British Columbia, Vancouver, BC, June 1993.
5. **Younger AS**, Mackenzie W, Gosline J, Morrison J: The Biomechanics of Distraction Callus Created During Ilizarov Limb Lengthening in Sheep. Awarded 1st prize for research presentation at the University of British Columbia Annual Orthopaedic Update, Vancouver, BC, June 1994.
6. **Younger AS**, Marko A, MacEwan J, Day, B: The Translation of the Shoulder in Unilateral Unidirectional Anterior Dislocators and Normal Subjects. Awarded 1<sup>st</sup> prize for research presentation at the University of British Columbia Annual Orthopaedic Update, Vancouver, BC, June 1995.
7. Kokan P, **Younger AS**, Pinney S: Abnormal Radiographic findings Outside the First Ray in Hallux Valgus. Presented at UBC Orthopaedic Update, Vancouver, BC, May 26, 1999.
8. Van Bergeyk A, **Younger AS**, Carson B: CT Analysis of Chronic Lateral Ankle Instability. Presented at UBC Orthopaedic Update, Vancouver, BC, May 26, 1999.
9. Dryden P, **Younger AS**, Sawatzky BJ: Radiographic Assessment of Adult Flatfoot. Presented at UBC Resident's Day, Vancouver, BC, June 2001.
10. Nelson D, **Younger AS**: Posttraumatic Unilateral Flat Foot Deformity in Adults Secondary to Trauma: A Review of Ten Cases. Presented at UBC Residents Day, Vancouver, BC, June 2001.

11. Veri JP, McEwen JA, Inkpen K, **Younger AS**: Reduction of Tourniquet Pressure Using Plethmographic Limb Occlusion Measurement and a Wide Contoured Cuff. Presented at UBC Residents Day, Vancouver, BC, December 2001.
12. **Younger AS**, Kalla T, DeVries G, Meakin C: Outcome of Trans Metatarsal Amputation in Diabetic Patients with Osteoset Beads. Presented at the Providence Health Care Research Day, March 12, 2004. Awarded First Prize Clinical Presentation.
13. **Younger AS**, McEwen JA, Inkpen K, Meakin C: Survey of Tourniquet Use in Foot and Ankle Surgery. Presented at the Providence Health Care Research Day March 12, 2004.
14. Meakin C, Lockwood R, Lloyd D, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training: Activation Changes. Presented at the Providence Health Care Research Day, March 12, 2004.
15. Meakin, C, **Younger AS**, Nebre R: Pathways in Foot and Ankle Care. Presented at the Providence Health Care Research Day, March 12, 2004.
16. Manzary M, **Younger AS**, Meakin C: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. First Prize, Clinical Research Day, University of British Columbia Department of Orthopaedics, December 3, 2004.
17. Awwad, M, Oxland T, **Younger AS**, Larson C, DeVries G: A Biomechanical Analysis of Gracilis Repair and Brostrom Reconstruction of the Ankle. Clinical Research Day, University of British Columbia Department of Orthopaedics, December 3, 2004.
18. Topliss C, **Younger AS**, Wing K, Penner M: Outcome Scores in the Assessment of Ankle Arthritis. University of British Columbia Annual Resident and Fellow Research Day, Vancouver, BC, November 2006.
19. Apostle K, **Younger AS**, Krause F, Wing K, Penner M, Glazebrook M: Total Ankle Arthroplasty Combined with Hindfoot Fusion for the Treatment of Pantalar Arthritis. University of British Columbia Orthopaedic Residents and Fellows Research Day, April 30<sup>th</sup>, 2008.
20. Krause F, **Younger AS**, Wing K, Penner M, Di Silvestro M, Daniels T, Glazebrook M, Lau J, Stothers K: Inter and Intra Observer Reliability of an End Stage Ankle Arthritis Classification System. University of British Columbia Orthopaedic Residents and Fellows Research Day, April 30<sup>th</sup>, 2008.
21. Madeley J, **Younger A**, Wing K, Penner M, Glazebrook M: Comparison of Outcome scores for end stage ankle arthritis. University of British Columbia Annual Orthopaedic Update. June 2009.
22. Bajwa A, **Younger AS**: Loosening of titanium plasma spray and cobalt chrome sintered bead mobile bearing total ankle replacements. Presentation at Orthopaedic Update, June 2010. Presented by Dr. Amarjit Bajwa. Vancouver, BC.

23. Townshend D, Wing K, Penner M, **Younger A**: SPECT for painful total ankle arthroplasty. Presentation at orthopaedic Update, June 2010. Presented by Dr. Dave Townshend. Vancouver, BC.
24. Thevanthran G, Pinney S, **Younger A**: Nonunion survey risk assessment after for foot and ankle fusions. UBC Department of Orthopaedics annual research day, Vancouver May 2011
25. Pakzad H, Penner M, Wing K, **Younger A**: Mean BMI in overweight and Obese Patients Does Not Decrease After Successful Ankle Reconstruction., UBC Department of Orthopaedics annual research day, Vancouver May 2011
26. McInnes K, Oxland T, **Younger A**: Stability of total ankle replacements at the time of implantation. Kurt McInnes, UBC Department of Orthopaedics annual research day, Vancouver May 2011.
27. Barske H, **Younger A**: Global ankle arthroscopy: The access of the entire ankle from the supine position using the medial portal. Orthopaedic Update, University of British Columbia, June 2<sup>nd</sup>, 2012.
28. Lane D, **Younger A**, Wing K, Penner M: Expectations and satisfaction after ankle fusion and replacement. A prospective study. Orthopaedic Update, University of British Columbia, June 2<sup>nd</sup>, 2012.
29. Kong, C, **Younger AS**, Wing K, Penner M, White T: Arthroscopically assisted closed reduction and Percutaneous Nail Fixation of Unstable Ankle Fractures: Description of a Minimally Invasive Procedure. British Columbia Orthopaedic Update, April 2013.
30. Coe M, Pinney S, Wing K, Penner M and **Younger A**: Current use and Future Directions for Video use in the Education of Orthopaedic Surgeons. British Columbia Orthopaedic Update, April 2013.
31. Ashman, B, Younger A, White T, Penner M, Wing K: Fluoroscopy Guided Reduction and Fibular Nail Fixation: Using a Minimally Invasive Technique to Manage Unstable Ankle Fractures in Patients with Diabetes. University of British Columbia Department of Orthopaedics Research Day. April 30<sup>th</sup>, 2014.
32. Mercer, J, Younger A, Wing K, Penner M: Variable Terminology Recording Adverse Events in Total Ankle Replacement Outcomes Literature. University of British Columbia Department of Orthopaedics Research Day. April 30<sup>th</sup>, 2014.
33. Butterwick D, Penner M, Wing K: Cysts in total ankle replacement. University of British Columbia Department of Orthopaedics Research Day. May 6<sup>th</sup>, 2015.



34. Smidt T, Younger A, Wing K, Penner M: Arthroscopic Ankle Fusion: Are the results reproducible irrespective of pre-operative deformity? Preliminary results. Winner of fellow research award. University of British Columbia Department of Orthopaedics Research Day. May 6th, 2015.
35. Croft S, Wing K, Sutherland J, Penner M, Younger A: The use of RAOS to predict outcome and revision after total ankle arthroplasty. University of British Columbia Department of Orthopaedics Research Day. May 6th, 2015.
36. Ngai J, Younger A, Wing K, Penner M: The resource utilization after primary ankle fusion and total ankle replacement. University of British Columbia Department of Orthopaedics Research Day. May 6th, 2015.
37. **Younger A**: "Improving post fracture and post-operative care in Canada: A need to create a Canadian to support cost effective and patient focused ambulatory surgery clinics". UBC executive education Sauder School of Business Physician Leadership Program October 1<sup>st</sup>, 2015 to March 4<sup>th</sup>, 2016.
38. The unemployment rate for patients undergoing surgery for ankle arthritis in British Colombia **Oliver Gagne (PGY 1)**
39. Roberts L, Wing K, Penner M, Younger A, Nacht J, Sutherland J. The STATE of Waiting. University of British Columbia Department of Orthopaedics Annual Update, May 2016.
40. *Veljkovic, C. Day .K. Walsh, , Z. Abbas, K. Wing, , M. Penner, M. Glazebrook, A. Younger*  
"Grades of Evidence: Surgical Treatment of Non-Insertional Achilles Tendinopathy" University of British Columbia Department of Orthopaedics Annual Update, May 2016.
41. Oliver Gagne (PGY 2) The economical implication and lost wages of ankle arthritis in British Colombia University of British Columbia Department of Orthopaedics Annual Update, May 2017.
42. Christopher Day (PGY 2) **Younger A**, Wing K, Penner M, Veljkovic A: Levels of Evidence for Joint-Preserving Surgical Treatments in Ankle Osteoarthritis University of British Columbia Department of Orthopaedics Annual Update, May 2017.
43. Alia Albaghdadi (PGY 2) **Younger A**, Wing K, Penner M, Veljkovic A: TAR and AA: The effect of comorbidities on outcomes University of British Columbia Department of Orthopaedics Annual Update, May 2017.
44. Jennifer Hunter (PGY 1) **Younger A**, Wing K, Penner M, Veljkovic A: Effect of a patient education program on patient satisfaction and outcomes in Hallux Valgus University of British Columbia Department of Orthopaedics Annual Update, May

2017.

45. Dr. R. Lohre. **Younger A**, Wing K, Penner M, Veljkovic A: Cost utility analysis of open versus arthroscopic ankle arthrodesis for end stage ankle arthritis. University of British Columbia Department of Orthopaedics Annual Update, May 2017.
46. Nicholas Yeo (Fellow, Foot & Ankle Extremities) **Younger A**, Wing K, Penner M, Veljkovic A: The Reliability of Computed Tomography in the Assessment of Tibiotalar Fusion. University of British Columbia Department of Orthopaedics Annual Update, May 2017.
47. Marie-Eve Pelletier (Fellow, Foot & Ankle Extremities), **Younger A**, Wing K, Penner M, Veljkovic A: Qualitative Comparison of Total Ankle Replacement vs Ankle Fusion in patients with Bilateral Ankle Arthritis" University of British Columbia Department of Orthopaedics Annual Update, May 2017.
48. Hooman Sadr (Fellow, Foot & Ankle Extremities), **Younger A**, Wing K, Penner M, Veljkovic A: Inconsistency in the Reporting of Adverse Events in open reduction and internal fixation of Ankle Fractures: A Systematic Review of the Literature "University of British Columbia Department of Orthopaedics Annual Update, May 2017.
49. **Feras Waly** (Fellow, Foot & Ankle Extremities), **Younger A**, Wing K, Penner M, Veljkovic A: Preoperative Patient-reported Outcome Measures (PROMs) Predict Postoperative Success in Patients with End-Stage Ankle Arthritis University of British Columbia Department of Orthopaedics Annual Update, May 2017.
50. Dr. O. Gagne – R3 **Younger A**, Wing K, Penner M, Veljkovic A: The Institutional Cost of Revision Ankle Fusions for Non- Union –University of British Columbia Department of Orthopaedics Annual Update, May 2018.
51. Dr. J. Fairley – R3 **Younger A**, Wing K, Penner M, Veljkovic A: Comparison of Outcomes and Re- operation Rates of Ankle Arthroplasty and Ankle Fusion Between a University Teaching Hospital Versus a Private Surgical Center – University of British Columbia Department of Orthopaedics Annual Update, May 2018.
52. Dr. A. Albaghdadi – R2 **Younger A**, Wing K, Penner M, Veljkovic A: Regional Variation in Outcomes of Ankle Arthrodesis –University of British Columbia Department of Orthopaedics Annual Update, May 2018.
53. Dr. S. St. George – **Younger A**, Wing K, Penner M, Veljkovic A: Variability in the Reporting Terminology of Adverse Events in Ankle Fracture Fixation –University of British Columbia Department of Orthopaedics Annual Update, May 2018.

54. Dr. H. Al- Rumaih, **Younger A**, Wing K, Penner M, Veljkovic A: Recombinant Human Platelet- Derived Growth Factor (rh- PDGF- BB) vs Autogenous Bone Graft for Ankle Fusions — Fellow presentation. University of British Columbia Department of Orthopaedics Annual Update, May 2018.
55. Dr. Escudero, **Younger A**, Wing K, Penner M, Veljkovic A: A Proposed Radiographic Predictive Score for Failure in Total Ankle Arthroplasty: a COFAS study –Fellow. University of British Columbia Department of Orthopaedics Annual Update, May 2018.
56. Dr. B. Le, **Younger A**, Wing K, Penner M, Veljkovic A: Postoperative Coronal Alignment Predicts Total Ankle Replacement Failure: a COFAS study: University of British Columbia Department of Orthopaedics Annual Update, May 2018.
57. Mike Symes, **Younger A**, Wing K, Penner M, Veljkovic A: The Other Adjacent Joint: Knee Pain in Ankle Arthroplasty and Ankle Arthrodesis: a COFAS Study – University of British Columbia Department of Orthopaedics Annual Update, May 2018.
58. Lindsay Anderson: R 3. **Younger A**, Wing K, Penner M, Veljkovic A: Independent Factors Associated with Patient Surgical Outcomes in Complex Foot and Ankle Surgery –University of British Columbia Department of Orthopaedics Annual Update, May 2018.
59. Veljkovic A, Wing K, **Younger A**, Penner M: Anatomic versus Non-Anatomic Reconstruction for Chronic Lateral Ankle Ligament Instability Sam Park Annual Update, May 2019.
60. Gagne O, Veljkovic A, Wing K, **Younger A**, Penner M: An intra-operative assessment of the axial rotational and validation of the tibial component rotation using preoperative patient specific instrumentation guidance UBC Orthopaedic Annual Update, May 2019.
61. Finney C, Veljkovic A, Wing K, **Younger A**, Penner M: Cost utility analysis of Open versus Arthroscopic Ankle Arthrodesis for End-Stage Ankle Osteoarthritis UBC Orthopaedic Annual Update, May 2019.
62. Cheema A, Veljkovic A, Wing K, **Younger A**, Penner M: Do Corticosteroids Used in Regional Blocks Result in Increased Rates of Nerve Injury? Amar Cheema UBC Orthopaedic Annual Update, May 2019.
63. Lowe D, Veljkovic A, Wing K, **Younger A**, Penner M: Shoe-wear Score: TAR vs Fusion. Dani Lowe UBC Orthopaedic Annual Update, May 2019.

64. Jevaseelan L, Veljkovic A, Wing K, **Younger A**, Penner M: The relationship between above joint arthritis and surgical treatment of ankle arthritis. UBC Orthopaedic Annual Update, May 2019.
65. Al Rumaih H, Veljkovic A, Wing K, **Younger A**, Penner M: Recombinant human platelet-derived growth factor-BB and beta-tricalcium phosphate (rhPDGF-BB/beta TCP-BB) to augment fixation of cementless total ankle replacement. UBC Orthopaedic Annual Update, May 2019.

**National:**

1. **Younger AS**, Orr W, Tennant W, King PM: A New Index of Long Bone Deformity Predicting Outcome after Paediatric Forearm Fracture. Canadian Orthopaedic Association Meeting, Toronto, ON, May 1989.
2. **Younger AS**, Tredwell SJ, Mackenzie W: The Remodeling Potential of the Paediatric Forearm after Fracture. Canadian Resident's Association Conference, Hamilton, ON, May 1991.
3. **Younger AS**, Mackenzie W, Morrison J: Forces during Femoral Lengthening in Children. Canadian Orthopaedic Association Annual Meeting, Calgary, AB, June 1991.
4. **Younger AS**, Tredwell SJ, Mackenzie W: The Remodeling Potential of the Midshaft and Distal Paediatric Forearm after Fracture. Canadian Orthopaedic Association Annual Meeting, Calgary, AB, June 1991.
5. **Younger AS**, Beauchamp C, Duncan C, McGraw R: The Position of the Knee Joint after Total Joint Arthroplasty. Presentation at the Canadian Orthopaedic Resident's Association, Montreal, QC, May 1992.
6. **Younger AS**, Mackenzie W, Gosline J, Morrison J: Articular Cartilage Changes after Tibial Lengthening in Sheep. Presentation at the Canadian Orthopaedic Resident's Association, Saskatoon, SK, May 1993.
7. **Younger AS**, Blachut P: Sequential Intramedullary Nail Fixation Post-Ilizarov External Fixation of the Lower Extremity in Adult Patients. Presentation at the Canadian Orthopaedic Resident's Association, Saskatoon, SK, May 1993.
8. **Younger AS**, Mackenzie W, Gosline J, Morrison J: The Biomechanics of Distraction Callus Created During Ilizarov Limb Lengthening in Sheep. Awarded Basic Science Prize at the Canadian Orthopaedic Resident Association, Kingston, ON, May 1994.
9. **Younger AS**, Mackenzie W, Gosline J, Morrison J: The Biomechanics of Distraction Callus Created During Ilizarov Limb Lengthening in Sheep. Presented to the Canadian Orthopaedic Research Society, Winnipeg, MB, June 1994.
10. **Younger AS**, Mackenzie W, Gosline J, Morrison J: Articular Cartilage Changes after Tibial Lengthening in Sheep. Presented to the Canadian Orthopaedic Research Society, Winnipeg, MB, June 1994.

11. **Younger AS**, Claridge R: The Role of the Diagnostic Block in the Management of Morton's Neuroma. Presented at the Canadian Orthopaedic Association Meeting, Halifax, NS, June 1995.
12. **Younger AS**, Mackenzie W, Tredwell SJ: The Limits of Lower Extremity Fracture Angulation. Presented at the Canadian Orthopaedic Association Meeting, Halifax, NS, June 1995.
13. **Younger AS**, Marko A, MacEwan J, Day, B: Shoulder Translation in Unilateral Recurrent Anterior Dislocators and Normal Volunteers. Poster presentation at the Canadian Orthopaedic Association, Quebec City, QC, May 1996.
14. **Younger AS**, Marko A, MacEwan J, Day, B: The Inter- and Intra-Observer Reliability of Shoulder Translation Measured from an Axillary View of the Shoulder. Poster presentation at the Canadian Orthopaedic Research Society, Quebec City, QC, May 1996.
15. MacPherson H, **Younger AS**, Masri B, Duncan CP: The Outcome of Dislocation after Total Hip Arthroplasty. Poster presentation at the Canadian Orthopaedic Resident's Association Annual Meeting, Banff, AB, May 1996.
16. **Younger AS**, Masri B, Duncan C: The Outcome of PROSTALAC Two Stage Exchange for Infected Total Hip Arthroplasty. Poster presentation at the Canadian Orthopaedic Association, Quebec City, QC, May 1996.
17. **Younger AS**, Marko A, MacEwan J, Day, B: The Outcome of Revision Total Hip Arthroplasty after the Removal of a Cementless Femoral Component. Podium presentation at the Canadian Orthopaedic Association, Quebec City, QC, May 1996.
18. **Younger AS**, Schai P, Thornhill T, Scott R: The Natural History and Outcome of Radiolucent Lines under a Metal Tibial Tray During a Ten Year Period After TKA. Poster presented at the Canadian Orthopaedic Association Meeting, Ottawa, ON, June 1998.
19. **Younger AS**, Brick G: Large Segmental Acetabular Bone Deficiency after THA Reconstructed with a Whole Acetabular Allograft: A Description of Technique and Preliminary Results. Poster presented at the Canadian Orthopaedic Association Meeting, Ottawa, ON, June 1998.
20. **Younger AS**, Poss R: The Effect of a Proximal Centralizer on the Cement Mantle Surrounding a Contemporary THA: A Description of Technique and Preliminary Results. Poster presented at the Canadian Orthopaedic Association Meeting, Ottawa, ON, June 1998.
21. **Younger AS**, Poss, R: The Outcome of 80 Smooth Cemented T 28 Femoral Stems Compared with 80 grit Blasted T 28 Stems at 11 Years Follow Up. Podium presentation at the Canadian Orthopaedic Association Meeting, Ottawa, ON, June 1998.

22. **Younger AS**, Reiber G, Smith D: The Outcome of Diabetic Ulcers on the Weight Bearing Portion of the Foot. Podium presentation at the Canadian Orthopaedic Association Meeting, Edmonton AB, June 2000.
23. Van Bergeyk A, **Younger AS**, Carson B: CT Analysis of Chronic Lateral Ankle Instability. Presented at the Canadian Orthopaedic Association meeting, June 4, 2000.
24. Kokan P, **Younger AS**, Pinney S: Abnormal Radiographic findings Outside the First Ray in Hallux Valgus. Podium presentation to the Canadian Orthopaedic Association, Edmonton, AB, June 4, 2000.
25. Nelson D, **Younger AS**: Posttraumatic Unilateral Flat Foot Deformity in Adults Secondary to Trauma: A Review of Ten Cases. Canadian Orthopaedic Resident's Conference, January 2002.
26. **Younger AS**, Rempel M, Stevens K, Elgafy H: The Epidemiology and Outcome of Lateral Talar Process Fractures in Snowboarders. Presented at the Canadian Orthopaedic Foot and Ankle Society First Annual Specialty Day Meeting, May 30, 2003.
27. **Younger AS**, DeVries G, Meakin C: Radiographic Evaluation of the Medial Forefoot in Lisfranc Injury: Is a Particular Foot Type at Risk? Presented at the Canadian Orthopaedic Foot and Ankle Society First Annual Specialty Day Meeting, May 30, 2003.
28. **Younger AS**, McEwen JA, Inkpen K: Survey of Tourniquet Use in Foot and Ankle Surgery. Presented at the Canadian Orthopaedic Foot and Ankle Society First Annual Specialty Day Meeting, May 30, 2003.
29. **Younger AS**, DeVries G, Veri JP, Kalla T: Outcome Review of Trans metatarsal Amputation in Diabetic Patients as a Single Stage Procedure using Antibiotic Pellets in the Wound. Presented at the Canadian Orthopaedic Association Annual Meeting, Winnipeg, MB, October 4, 2003.
30. **Younger AS**, Dryden P, Sawatzky BJ: Radiographic Features of Symptomatic Adult Flat Foot. Presented at the Canadian Orthopaedic Association Annual Meeting, Winnipeg, MB, October 4, 2003.
31. **Younger AS**, Nebre R: Pathways in Foot and Ankle Care. Poster presentation at the Canadian Orthopaedic Association Annual Meeting, Winnipeg, MB, October 4, 2003.
32. **Younger AS**, Rempel M, Stevens K, Elgafy H: The Epidemiology and Outcome of Lateral Talar Process Fractures in Snowboarders. Presented at the Canadian Orthopaedic Foot and Ankle Society subspecialty meeting, Winnipeg, MB, October 4, 2003.
33. Meakin C, Lockwood R, Lloyd D, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training: Activation Changes. Presented at the Canadian Orthopaedic Foot and Ankle Society 1<sup>st</sup> Annual Specialty Day Meeting, Winnipeg, MB, October 4, 2003.
34. Meakin C, Lockwood R, Lloyd D, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training: Reflex Changes. Presented at the Canadian

Orthopaedic Foot and Ankle Society 1<sup>st</sup> Annual Specialty Day Meeting, Winnipeg, MB, October 4, 2003.

35. **DeVries G, Younger AS, Meakin C**: Radiographic Evaluation of the Medial Forefoot in Lisfranc Injury: Is a Particular Type of Foot at Risk? Presented at the Canadian Orthopaedic Foot and Ankle Society First Annual Specialty Day Meeting, Winnipeg, MB, October 4, 2003.
36. **Younger AS, McEwen JA, Inkpen K**: Survey of Tourniquet Use in Foot and Ankle Surgery. Presented at the Canadian Orthopaedic Foot and Ankle Society subspecialty meeting, Winnipeg, MB, October 4, 2003.
37. **Younger AS, Kalla T, DeVries G, Meakin C**: Outcome of Trans Metatarsal Amputation in Diabetic Patients with Osteoset Beads. Presented at the National Aboriginal Diabetic Association meeting, Vancouver, BC, January 31, 2004.
38. **Younger AS, Kalla T, DeVries G, Awwad M, Meakin C**: Risk Factors for Failure of Trans Metatarsal Amputation in Diabetic Patients: A Case Control Study. Presented at the National Aboriginal Diabetic Association meeting, Vancouver, BC, January 31, 2004.
39. **Awwad, M, Oxland T, Younger AS, Larson C, DeVries G**: A Biomechanical Analysis of Gracilis Repair and Brostrom Reconstruction of the Ankle. Podium presentation, Canadian Orthopaedic Association Annual Meeting, June 2005.
40. **Manzary M, Younger AS, Meakin C**: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. Canadian Orthopaedic Association Meeting, June 2005.
41. **Younger AS, Nebre R, Seppelt M, Meakin C**: Assessment of a Multidisciplinary Pathway for Foot and Ankle Surgical Patients from First Hospital Visit to Discharge. ISQua Meeting, Vancouver BC October 27, 2005.
42. **Wadey V, Halpern J, Younger AS, Dev P, Olshen R, Walker D**: Canadian Orthopaedic Curriculum – Foot and Ankle Reconstruction. Poster Presentation Canadian Orthopaedic Association Annual Meeting, Toronto, ON, June 2006.
43. **Glazebrook M, Daniels T, Dunbar M, Leighton R, Penner M, Stone C, Younger AS, Wing K, Foote CJ**: Patients with End Stage Ankle Arthritis have Comparable Health Related Quality of Life as Patients with End Stage Hip Arthritis Awaiting Joint Arthroplasty of Arthrodesis. Podium presentation at Canadian Orthopaedic Foot and Ankle Society Meeting at Canadian Orthopaedic Association Annual Meeting, Toronto, ON, June 2006.
44. **Wadey V, Halpern J, Younger AS, Dev P, Olshen R, Walker D**: Canadian Orthopaedic Curriculum – Foot and Ankle Reconstruction. Podium presentation at Canadian Orthopaedic Foot and Ankle Society Meeting at Canadian Orthopaedic Association Annual Meeting, Toronto, ON, June 2006.
45. **Apostle K, Younger AS, Krause F, Wing K, Penner M, Glazebrook M**: Total Ankle Arthroplasty Combined with Hindfoot Fusion for the Treatment of Pantalar Arthritis.

Canadian Orthopaedic Residents Association Meeting, Quebec City, Quebec June 4<sup>th</sup>, 2008.

46. Mayich J, Younger A, Wing K, Penner M: Clinical Outcomes Following Agility Total Ankle Arthroplasty: A Long Term Follow Up Study from a Single Canadian Centre. Combined Meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association, Quebec City, Quebec. June 5<sup>th</sup> to 7<sup>th</sup> 2008.
47. Glazebrook M, **Younger AS**: A cost analysis of total ankle arthroplasty, ankle fusion, total knee arthroplasty and total hip arthroplasty. Poster presentation. Combined Meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association, Quebec City, Quebec. June 5<sup>th</sup> to 7<sup>th</sup> 2008.
48. Slobogean G, Marra, CA, **Younger A**, Penner M, Wing K, Glazebrook M. Preference based Quality of Life in End Stage Ankle Arthritis, Total Ankle Arthroplasty and Ankle Arthrodesis. Canadian Orthopaedic Association Annual Meeting, Whistler BC July 4<sup>th</sup>, 2009.
49. Daniels T, **Younger A**, Glazebrook M, Wing K, Penner M, Lau J. Ankle Arthrodesis vs Total Ankle Arthroplasty. Prospective Outcome Cohort Study. Canadian Orthopaedic Association Meeting 19<sup>th</sup> June 2010.
50. Pedersen E, Pinsker E, Glazebrook M, Penner M, **Younger A**, Dryden P, Daniels T. The Outcome of Total Ankle Arthroplasty in Patients with Rheumatoid Arthritis. Podium presentation Canadian Orthopaedic Association annual meeting St. Johns Newfoundland July 2011.
51. Amin A, Sproule J, Chin T, Daniels T, **Younger A**, Boyd G, Glazebrook M. Mobility TAR: The Canadian Experience. Podium presentation Canadian Orthopaedic Association annual meeting St. Johns Newfoundland July 2011.
52. Flavin R, Younger A, Penner M, Steeves M: The Importance of Plasma Sprayed Hydroxyapatite coating on titanium and implant geometry in the osteointegration of total ankle arthroplasty. Canadian Orthopaedic Association meeting Ottawa, June 8<sup>th</sup>, 2012.
53. Daniels T, Glazebrook M, **Younger ASE**, Penner M, Wing K, Wong H, Dryden P. COFAS Multi Centre Study Comparing Total Ankle Arthroplasty and Ankle Arthrodesis: Mid- term Results. Canadian Orthopaedic Association meeting, Ottawa June 8<sup>th</sup>, 2012.
54. Steeves M; **Younger A**; Wing K; Penner M: Revision Rates for Nonunions after Foot and Ankle Fusions May be Decreasing in time: Experience Within a Canadian Teaching Hospital Foot and Ankle Program. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
55. Younger A; Dryden P; Wing K; Penner M; Comparison of Billings for 10 Foot and Ankle Procedures Between Provinces- Changes from 2002 to 2012. Canadian Orthopaedic Association meeting, Winnipeg June 2013.



56. Diwert L; **Younger A**; Wing K; Penner M: Expectation and Satisfaction Comparing Ankle Fusion and Total Ankle Replacement. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
57. Daniels T; **Younger A**; Glazebrook M: Outcomes of Hindfoot and Ankle Fusions Treated with Augment Injectable Bone Graft: Results of a Prospective Randomized Controlled Trial. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
58. Innes K; **Younger A**; Oxland T: Micromotion at the Bone-Implant Interface in Total Ankle Replacement: A Cadaveric Biomechanical Investigation of the STAR and Agility Prostheses. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
59. **Younger A**; Wing K; Daniels T; Penner M: Initial Implant Stability Affects Revision Rates for Aseptic Loosening after Total Ankle Arthroplasty. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
60. Krause F; DiGiovanni C; **Younger A**; Baumhauer J; Daniels T; Glazebrook M: Do Nonunions of Foot and Ankle Fusions Result in a Bad Outcome? Canadian Orthopaedic Association meeting, Winnipeg June 2013.
61. Glazebrook M; **Younger A**; DiGiovanni C; Baumhauer J; Daniels T; Establishing the Relationship between Clinical Outcome and Extent of Osseous Bridging by CAT Scan Assessment in Isolated Hindfoot And Ankle Fusions. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
62. Glazebrook M; Lalonde K; Wing K; **Younger A**: A Prospective Pilot Study of b2a-coated Ceramic Granules (Amplex) Compared to Autograft for Ankle and Hindfoot Arthrodesis. Canadian Orthopaedic Association meeting, Winnipeg June 2013.
63. Veljkovic A, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Comparison of Outcome in Isolated Non-deformed End-stage Ankle Arthritis Between Ankle Replacement, Arthroscopic Ankle Fusion and Open Ankle Fusion. Canadian Orthopaedic Association meeting, Vancouver June 2015.
64. Daniels T, Wing K, Glazebrook M, Penner M, **Younger A**, Dryden P: Comparison of Health-Related Quality of Life Between Patients with Unilateral and Bilateral End-Stage Ankle arthrosis. Canadian Orthopaedic Association meeting, Vancouver June 2015.
65. **Younger A**, Daniels T, Wing K, Penner M, Veljkovic A, Wong H, Dryden P, Glazebrook M. Increased Swelling Results in Poor Outcome After Ankle Arthritis Surgery COA meeting Quebec, June 15 to 20 2016.
66. **Younger A**, Ngai J, Penner M, Veljkovic A, Wing K, Wong H. Resource Utilization After Surgery for End-stage Ankle Arthritis: Comparison Between

- Ankle Replacement, Open and Arthroscopic Ankle Fusion. COA meeting Quebec, June 15 to 20 2016.
67. Khan R, Pinsker E, Daniels T, Dodd A, Veljkovic A, **Younger A**, Wing K. Gender Differences in End Stage Ankle. COA meeting Quebec, June 15 to 20 2016.
  68. **Younger A**, Penner M, Glazebrook M, Goplen G, Daniels T, Veljkovic A, Lalonde K, Wing K, Dryden P, Wong H. Reliability of the COFAS Reoperation Classification System COA meeting Quebec, June 15 to 20 2016.
  69. Roberts L, Sutherland J, Wing K, Penner M, **Younger A**, Veljkovic A: Changes in Health State in Patients Awaiting Orthopaedic Foot & Ankle Care: A Prospective Human Behavioral Study. COA Podium Presentation June 2017 Ottawa Ontario.
  70. Hunt K, Balderini T, **Younger A**: Simulated arthroscopic hallux MT arthrodesis utilizing full thread compression screws shows similar stiffness and load to failure compared to locking pate, with less plantar gapping. COA Podium Presentation June 2017 Ottawa Ontario.
  71. Park S, **Younger A**, Wing K, Penner M, Veljkovic A: Rates of acute and delayed Achilles tendon rupture in British Columbia and the relationship to the Willits publication. COA Podium Presentation June 2017 Ottawa Ontario.
  72. **Younger A**, Veljkovic A, Penner M, Wing K, Gagne O: Lost wages secondary to ankle arthritis in British Columbia in patients undergoing ankle fusion or replacement COA 2017. COA Podium Presentation June 2017 Ottawa Ontario.
  73. Gagne O, **Younger A**, Wing K, Penner M, Veljkovic A, Glazebrook M, Daniels T: A prospective cohort-study on the return to work and function two years after surgical treatment of tibiotalar arthritis. COA Podium Presentation June 2017 Ottawa Ontario.
  74. Penner, **Younger A**, Wing, Glazebrook, Daniels: The Effect of Deformity and Hindfoot Arthritis on Mid-Term Outcomes of Ankle Replacement and Fusion: A Prospective COFAS Multi-Centre Study of 890 Patients Podium presentation COA Victoria 2018.
  75. Waly, Veljkovic, **Younger A**, Wing, Penner, Salat: The reliability and validity of percent fusion after ankle fusion based on CT scan assessment. Poster presentation COA Victoria 2018.
  76. Waly, Veljkovic, **Younger A**, Wing, Penner: Preoperative Patient-reported Outcome Measures (PROMs) Predict Postoperative Success in Patients with End-Stage Ankle Arthritis Podium presentation COA Victoria 2018.

77. Usali, **Younger A**, Krause et al: Comparison of outcomes of cement augmented versus press fit laterally placed trabecular metal total ankle arthroplasty Poster presentation COA Victoria 2018.
78. Oliver Gagne, BC; Andrea Veljkovic, BC; Murray J Penner, BC; Kevin John Wing, BC; **Alastair S.E. Younger, BC**. Institutional Costs Associated with Ankle Fusion Non-union Podium presentation COA Victoria 2018.
79. M. Escudero. M. Symes, A. Veljkovic, M. Penner, K. Wing, **A. Younger**. Sagittal talar position and its relation with clinical outcomes and failure in mobile bearing total ankle replacements. Podium presentation. COA Victoria June 2018.
80. M. Symes, A. Veljkovic, M. Penner, K. Wing, **A. Younger**. The impact of Pre-Operative Knee Pain on Ankle Arthroplasty and Ankle Arthrodesis. Podium Presentation COA Victoria June 2018.
81. M. Symes, A. Veljkovic, M. Penner, K. Wing, **A. Younger**. The other adjacent joint: The effect of Ankle Arthroplasty and Ankle Arthrodesis on the Development of Post-Operative Knee Pain. Podium Presentation COA June Victoria 2018.
82. Gagne O, Anderson L, Veljkovic A, Penner M, **Younger A**, Wing K, Lau J. High Patient Catastrophizing Score Predicts Poor Outcome in the Complex Foot and Ankle Patient COA Poster Montreal June 2019.
83. Burgsson B, Daniels T, **Younger A**, Glazebrook M. Clinical Outcome Results of Total Ankle Replacement and Ankle Arthrodesis: A Pilot Randomized Controlled Trial. Podium Presentation COA Montreal June 2019.
84. Gagne O, Wing K, Penner M, Veljkovic A, **Younger A**. An Intra-Operative Assessment of the Axial Rotational Positioning of the Tibial Component in TAR ICORS poster. Montreal June 2019.
85. Fairley J, Wing K, Penner M, Veljkovic A, **Younger A**. A Comparison of Ankle Arthritis Outcomes and Reoperation Rates Between MSP-Funded, WCB-Funded and Self-Funded Surgery in Vancouver Podium presentation COA Montreal June 2019.
86. Stefan St George: Hooman Sadr, Murray Penner, Peter Salat, Kevin Wing,

**Alastair S.E. Younger**, Andrea Veljkovic. Variability in the Reporting Terminology of Adverse Events in Ankle Fracture Fixation Podium presentation COA Montreal June 2019.

87. Symes M, Escarado M, Wing K, Penner M, Veljkovic A, **Younger A**. The Impact of Lower Back Pain on Functional Outcomes for Ankle Arthritis Treated with Arthroplasty and Arthrodesis: A COFAS Study. Podium presentation COA Montreal June 2019.
88. Gagne O, Veljkovic A, Wing K, Penner M, Glazebrook M, **Younger A**: The cost of Revision Ankle Fusions for Non-Union. A Multicenter Analysis. Poster presentation. COA Montreal June 2019.
89. COA 2020
90. Saudi Webinar
91. AOFAS webinar
92. Grand rounds

**International:**

1. **Younger AS**, Mackenzie W, Morrison J: Forces Measured During Femoral Lengthening in Children. Poster presentation at the 58th Annual meeting of the American Academy of Orthopaedic Surgeons, Anaheim, CA, March 1991.
2. **Younger AS**, Tredwell SJ, Mackenzie W: The Outcome after Paediatric Forearm Fracture Reduction. American Orthopaedic Association Resident's Conference, Kansas City, KS, April 1991.
3. **Younger AS**, Tredwell SJ, Mackenzie W: The Remodeling Potential of the Paediatric Forearm after Fracture. Poster presentation at the Combined Meeting of the Orthopaedic Research Societies of Canada, Japan and USA, Banff, AB, October 1991.
4. **Younger AS**, Mackenzie W, Morrison J: Forces during Femoral Lengthening in Children. Poster presentation at the Combined Meeting of the Orthopaedic Research Societies of Canada, Japan and USA, Banff, AB, October 1991.
5. **Younger AS**, Tredwell SJ, Mackenzie W: The Remodeling Potential of the Paediatric Forearm after Fracture. Presentation to the Orthopaedic Trauma Association, Seattle, WA, November 1991.
6. **Younger AS**, Mackenzie W, Morrison J: Forces during Femoral Lengthening in Children. Poster presentation at the 12th International Congress of Biomechanics, Perth, Australia, December 1991.
7. **Younger AS**, Mackenzie W, McGraw R, Beauchamp CP: Assessment of Long Bone Angulation. Presentation at the 12th International Congress of Biomechanics, Perth, Australia, December 1991.
8. **Younger AS**, Beauchamp C, Duncan C, McGraw R: The Position of the Knee Joint after Total Joint Arthroplasty. Poster presentation at the Combined Meeting of the English Speaking World, Toronto, ON, June 1992.
9. **Younger AS**, Mackenzie W, McGraw R, Beauchamp CP: Assessment of Long Bone Angulation. Poster presentation at the Combined Meeting of the English Speaking World, Toronto, ON, June 1992.
10. **Younger AS**, Mackenzie W, Gosline J, Morrison J: The Biomechanics of Distraction Callus Created During Ilizarov Limb Lengthening in Sheep. Presented at the American Academy of Orthopaedic Surgeons, New Orleans, LA, February 1994.
11. **Younger AS**, Mackenzie W, Gosline J, Morrison J: Articular Cartilage Changes after Tibial Lengthening in Sheep. Presented at the Association for the Study of Methods of Ilizarov Annual Meeting, New Orleans, LA, February 1994.
12. **Younger AS**, Claridge R: The Role of the Diagnostic Block in the Management of Morton's Neuroma. Presented to the American Academy of Orthopaedic Surgeons, Orlando, FL, February 1995.
13. **Younger AS**, Marko A, MacEwan J, Day, B: Shoulder Translation in Unilateral Recurrent Anterior Dislocators and Normal Volunteers. Podium presentation at the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 1997.
14. **Younger AS**, Masri B, Duncan C: The Outcome of PROSTALAC Two Stage Revision for Infected Total Hip Arthroplasty. Podium presentation at the American Academy of Orthopaedic Surgeons,

San Francisco, CA, February 1997.

15. Dunwoody J, **Younger AS**, Masri B, Duncan C: The Outcome of Revision Total Hip Arthroplasty after Removal of a Proximally Coated Cementless Stem for Thigh Pain. Podium presentation at the American Academy of Orthopaedic Surgeons, San Francisco, CA, February 1997.
16. Poss R, **Younger AS**: Prevention of Infection after Total Knee Arthroplasty: The OR Environment. Presented at the Harvard Knee Course, May 2, 1997.
17. **Younger AS**, Schai P, Thornhill T, Scott R: The Natural History and Outcome of Radiolucent Lines under a Metal Tibial Tray During a Ten Year Period After Total Knee Arthroplasty. Presented at the American Academy of Orthopaedic Surgeons Annual Meeting, New Orleans, LA, February 1998.
18. **Younger AS**, Kokan, P: Abnormal Radiographic findings Outside the First Ray in Hallux Valgus. Podium presentation to the American Orthopaedic Foot and Ankle Society, Vail, CO, July 13, 2000.
19. Van Bergyk A, **Younger AS**, Carson B: CT Analysis of Chronic Lateral Ankle Instability. Podium presentation to the American Orthopaedic Foot and Ankle Society, Vail, CO, July 13, 2000.
20. **Younger AS**, Inkpen K, McEwen JA: Reduction of Tourniquet Pressure using Plethmographic Limb Occlusion Measurement and a Wide Contoured Cuff. Poster presented at the combined meeting of the American Orthopaedic Association and the Canadian Orthopaedic Association, Victoria, BC, July 2002.
21. **Younger AS**, Inkpen K, McEwen JA: Reduction of Tourniquet Pressure using Plethmographic Limb Occlusion Measurement and a Wide Contoured Cuff. Presented at the annual meeting of the American Foot and Ankle Society, July 2002.
22. Awaad, MA, Kalla TP, DeVries G, Meakin CD, **Younger AS**: Risk Factors for Failure of Trans Metatarsal Amputation in Diabetic Patients: A Cohort Study. Accepted for presentation at the Canadian Orthopaedic Association meeting, June 2004.
23. Meakin, C, Lockwood R, Lloyd DG, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training. Canadian Orthopaedic Association Annual Meeting podium presentation, June 18, 2004
24. Meakin C, Lockwood R, Lloyd DG, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training, Canadian Orthopaedic Association Annual meeting poster presentation, June 18, 2004.
25. Meakin C, Sepelt M, **Younger AS**: Foot and Ankle Surgery Clinical Pathway. Health Care Visioning Conference 2004.
26. Meakin C, Lockwood R, Lloyd DG, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training. Accepted for presentation at the American Orthopaedic Foot and Ankle Society meeting, Seattle, July 2004. Nominated for the L. Goldner Award.
27. Awaad, MA, Kalla TP, DeVries G, Meakin CD, **Younger AS**: Risk Factors for Failure of Trans Metatarsal Amputation in Diabetic Patients: A Cohort Study. American Orthopaedic Foot and Ankle Society meeting, Seattle, WA, July 2004.
28. Meakin CD, **Younger AS**: Electronic Forms: How to build Microsoft Access Database Forms for Quick Data input and Calculating functional outcome scores: A comparison with Microsoft excel spreadsheets” Poster presentation, American Orthopaedic Foot and Ankle Society meeting, Seattle,

WA, July 2004.

29. **Younger, AS**, Meakin CD, Nebre, RH, Sepelt M: Assessment of a Perioperative Clinical Pathway for Inpatient Foot and Ankle Surgery Patients. Poster presentation, American Orthopaedic Foot and Ankle Society meeting, Seattle, WA, July 2004.
30. **Younger AS**, DeVries G, Meakin CD, Kalla TD: Outcome Review of Trans Metatarsal Amputations in Diabetic Patients Using Antibiotic Beads. Poster presentation, American Orthopaedic Foot and Ankle Society meeting, Seattle, WA, July 2004.
31. DeVries G, Meakin CD, **Younger AS**: Radiographic Evaluation of The Medial Forefoot in Lisfranc Injury: Is a Particular Foot Type at Risk? Poster presentation, American Orthopaedic Foot and Ankle Society meeting, Seattle, WA, July 2004.
32. Meakin C, Lockwood R, Lloyd DG, Skoss R, **Younger AS**: Neuromuscular Adaptations of the Ankle with Stability Training. 11<sup>th</sup> Meeting of the Combined Orthopaedic Associations, Sidney, Australia, October 24-29, 2004.
33. Kalla TP, DeVries G, Meakin CD, **Younger AS**: Outcome of Trans Metatarsal Amputations. Presentation at the 11<sup>th</sup> Meeting of the Combined Orthopaedic Associations, Sidney, Australia, October 24-29, 2004.
34. Awwad, MA, Kalla TP, DeVries G, Meakin CD, **Younger AS**: Risk Factors for Failure of Trans Metatarsal Amputation In Diabetic Patients: A Cohort Study. Presentation at the 11<sup>th</sup> Meeting of the Combined Orthopaedic Association, Sidney, Australia, October 24-29, 2004.
35. **Younger AS**, Inkpen K, McEwen JA: Reduction of Tourniquet Pressure using Plethmographic Limb Occlusion Measurement and a Wide Contoured Cuff. Presentation at the 11<sup>th</sup> meeting of the Combined Orthopaedic Associations, Sidney, Australia, October 24-29, 2004.
36. Manzary M, **Younger AS**, Meakin C: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. E poster, Arthroscopy Association of North America Annual Meeting, May 2005.
37. Larson CR; **Younger AS**; Awwad MA; Devries G; Sjovold SG; Veri J; Oxland TR: A Kinematic Comparison of Ankle Ligament Reconstructive Techniques. Poster, Orthopaedic Research Society, Washington, DC, March 2005.
38. Awwad, M, Oxland T, **Younger AS**, Larson C, DeVries G: A Biomechanical Analysis of Gracilis Repair and Brostrom Reconstruction of the Ankle. Podium presentation, Arthroscopy Association of North America Annual Meeting, May 2005.
39. Meakin CD, **Younger AS**: Electronic Forms: How to build Microsoft Access Database Forms for Quick Data input and Calculating Functional Outcome Scores: A Comparison with Microsoft Excel Spreadsheets. E poster, Arthroscopy Association of North America Annual Meeting, May 2005.
40. Manzary M, **Younger AS**, Meakin C: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. American Academy of Orthopaedic Surgeons Annual Meeting, March 2006.
41. Awaad, M, Oxland T, **Younger AS**, Larson C, DeVries G: A Biomechanical Analysis of Gracilis Repair and Brostrom Reconstruction of the Ankle. Poster presentation, American Orthopaedic Foot and Ankle Society Meeting, San Diego, CA, 2006.

42. Manzary M, **Younger AS**, Meakin C: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. Poster presentation, American Orthopaedic Foot and Ankle Society Meeting, San Diego, CA, 2006.
43. Glazebrook M, Daniels T, Dunbar M, Leighton R, Penner M, Stone C, **Younger AS**, Wing K, Foote CJ. Patients with End Stage Ankle Arthritis have Comparable Health Related Quality of Life as Patients with End Stage Hip Arthritis Awaiting Joint Arthroplasty or Arthrodesis. Podium presentation at AAOS annual meeting, San Diego, CA, February 2007.
44. Topliss C, **Younger AS**, Wing K, Penner M: Outcome Scores in the Assessment of Ankle Arthritis. Poster presentation, American Orthopaedic Foot and Ankle Society Meeting, Toronto, ON, July 2007.
45. Topliss C, **Younger AS**, Wing K, Penner M: Ankle Distraction as a Treatment for Ankle Arthritis. Poster presentation, American Orthopaedic Foot and Ankle Society Meeting, Toronto, ON, July 2007.
46. Glazebrook M, Daniels T, Dunbar M, Leighton R, Penner M, Stone C, **Younger AS**, Wing K, Foote CJ: Patients with End Stage Ankle Arthritis have Comparable Health Related Quality of Life as Patients with End Stage Hip Arthritis awaiting Joint Arthroplasty of Arthrodesis. Podium presentation at American Orthopaedic Foot and Ankle Society Annual Meeting, Toronto, ON, July 2007. Winner of the Roger Mann Award.
47. Awwad, M, **Younger AS**: Risk Factors for Failure of Trans Metatarsal Amputations. 12<sup>th</sup> Pan Arab Orthopaedic Congress, Amman, Jordan November 2007.
48. Awwad, M, **Younger AS**: Kinematic comparison of lateral ankle ligament reconstructive techniques. 12<sup>th</sup> Pan Arab Orthopaedic Congress, Amman, Jordan November 2007.
49. Topliss C, **Younger AS**, Wing K, Penner M: Outcome Scores in the Assessment of Ankle Arthritis. Poster presentation, British Orthopaedic Foot and Ankle Society Meeting, Carden Park, 31<sup>st</sup> November 2007.
50. Topliss C, **Younger AS**, Wing K, Penner M: Outcome Scores in the Assessment of Ankle Arthritis. American Academy of Orthopaedic surgeons annual meeting, San Francisco: Podium presentation. March 7<sup>th</sup>, 2008.
51. Apostle K, **Younger AS**, Krause F, Wing K, Penner M, Glazebrook M: Total Ankle Arthroplasty Combined with Hindfoot Fusion for the Treatment of Pantalar Arthritis. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008. Nominated for the Roger Mann Award.
52. Krause F, **Younger AS**, Wing K, Penner M, Di Silvestro M, Daniels T, Glazebrook M, Lau J, Stothers K: Inter and Intra Observer Reliability of an End Stage Ankle Arthritis Classification System. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008. Poster presentation.
53. Di Silvestro M, **Younger AS**, Wing K, Penner M, Krause F: Open vs. Arthroscopic Ankle Arthrodesis: A systematic Review of the Literature. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008. Poster presentation.
54. Mayich J, **Younger AS**, Wing K, Penner M: Clinical Outcomes Following Agility Total Ankle Arthroplasty: A Long Term Follow Up Study From a Single Canadian Centre. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008.



55. Barske H, **Younger AS**: Global Ankle Arthroscopy: MRI and cadaveric study of the medial portal. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008. Poster presentation.
56. **Younger AS**, Daniels T, Wing K, Lau J: The use of RhPDGF to Promote Bone Healing in Foot and Ankle Fusions: A Prospective Study of 130 Fusions in 60 Patients. American Orthopaedic Foot and Ankle Society Meeting, Denver Colorado June 25<sup>th</sup> to 29<sup>th</sup> 2008.
57. Glazebrook M, **Younger AS**, Wing K, Penner M, Multi – Centred prospective outcome cohort study: Ankle Arthrodesis versus total ankle arthroplasty. American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas. 25 Feb 2009.
58. Di Silvestro M, Wing K, Penner M, Glazebrook M, **Younger AS**. Prospective comparison of open and arthroscopic ankle arthrodesis using validated outcome measures. Poster presentation American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas. 25 Feb 2009. Best foot and ankle poster award.
59. **Younger AS**, Lau J, Daniels T, Wing K. The use of RhPDGF for foot and ankle fusions: A prospective study of 130 fusions in 60 patients. Poster presentation American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas. 25 Feb 2009.
60. Mayich J, Wing K, Penner M, Glazebrook M, **Younger AS**. The clinical outcome of Agility vs. STAR total ankle arthroplasty: A prospective tow year follow up study. Paper presentation American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas. 25 Feb 2009.
61. Apostle K, **Younger AS**, Glazebrook M, Wing K, Penner M: Hindfoot arthritis treated with a total ankle arthroplasty and hindfoot fusion. Paper presentation American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas. 25 Feb 2009.
62. Manzary M, **Younger AS**: A Randomized Prospective Study of Surgeon Chosen Pressure versus Automatic Pressure Selection. Saudi Orthopaedic Association Meeting, Al Khobar, Saudi Arabia, January 21<sup>st</sup>, 2010.
63. Christopher DiGiovanni, MD, Sheldon L. Lin, MD; Judith F. Baumhauer; Timothy R. Daniels, MD; **Younger AS**, **MBChB**; Mark A. Glazebrook, MD; John G. Anderson, MD; Johnny T.C. Lau, MD; Peter Evangelista, MD A PRC, Multi-Center, Pivotal Human Clinical Trial to Evaluate the Safety and Effectiveness of Augment Bone Graft as a Substitute for Autologous Bone. American Orthopaedic foot and ankle society specialty day, New Orleans March 2010.
64. **Younger AS**, Wing K, Di Silvestro M, Penner M, Glazebrook M. Prospective Comparison of Arthroscopic vs Open Ankle Arthrodesis using Validated Outcomes. Poster presentation American Orthopaedic Foot and Ankle Society meeting National Harbour MD July 2010.
65. **Younger, AS**: Loosening of titanium plasma spray and cobalt chrome sintered bead mobile bearing total ankle replacements. Poster presentation American Orthopaedic Foot and Ankle Society meeting National Harbour MD July 2010.
66. Bajwa A, **Younger AS**: Circlage wire fixation for Webber b ankle fractures. Poster presentation American Orthopaedic Foot and Ankle Society meeting National Harbour MD July 2010.
67. Krause F, Windolf M, Penner M, Wing K, **Younger AS**: The impact of complications in total ankle replacement and fusion analysed by prospective validated outcome at intermediate follow up. Podium presentation American Orthopaedic Foot and Ankle Society meeting National Harbour MD

July 2010.

68. Krause F, Windolf M, Penner M, Wing K, **Younger AS**: The impact of complications in total ankle replacement and fusion analysed by prospective validated outcome at intermediate follow up. EFOT meeting September 2010.
69. Townshend D, **Younger AS**, Cresswell M, Penner M, Wing K. Experience with SPECT-CT to evaluate painful Total Ankle. Poster presentation American Orthopaedic Foot and Ankle Society meeting National Harbour MD July 2010.
70. Townshend D, Glazebrook M, Wing K, Penner M, **Younger AS**, Krause F,. Arthroscopic vs. Open Ankle Arthrodesis, Podium Presentation, Arthroscopy Association of North America meeting, San Francisco CA April 2011.
71. Penner M, Pakzad H, **Younger AS**, Wing K. Mean BMI in overweight and Obese Patients Does Not Decrease After Successful Ankle Reconstruction. Podium presentation American Orthopaedic Foot and Ankle Society meeting Keystone CO July 2011.
72. Amin A, Sproule J, Chin T, Daniels T, **Younger AS**, Boyd G, Glazebrook M. Mobility TAR : The Canadian Experience. Podium presentation American Orthopaedic Foot and Ankle Society meeting Keystone CO July 2011.
73. Pedersen E, Pinsker E, Glazebrook M, Penner M, **Younger A**, Dryden P, Daniels T. The Outcome of Total Ankle Arthroplasty in Patients with Rheumatoid Arthritis. Poster presentation American Orthopaedic Foot and Ankle Society meeting Keystone CO July 2011.
74. Shah K, Thevendran G, **Younger AS** and Pinney S: Thromboprophylaxis after Elective Foot and Ankle Surgery: What is the State of Practice? Poster presentation American Orthopaedic Foot and Ankle Society meeting Keystone CO July 2011.
75. Thevendran G, Shah K, **Younger AS**, Pinney S. Risk Factors for Nonunion in Arthrodesis Surgery: A Survey of International Orthopaedic Foot and Ankle Surgeons. Poster presentation American Orthopaedic Foot and Ankle Society meeting Keystone CO July 2011.
76. Sproule J, Chin T, Amin A, Daniels T, **Younger AS**, Boyd G, Glazebrook M: Mobility ankle replacement: The Canadian Experience. AAOS Annual meeting podium presentation Thursday Dec 9, 2012.
77. Thevendran G, Shah K, **Younger AS**, Pinney S. Risk Factors for Nonunion in Arthrodesis Surgery: A Survey of International Orthopaedic Foot and Ankle Surgeons. Podium presentation AAOS meeting February 2012.
78. Thevendran G, Shah K, **Younger AS**, Pinney S. Risk Factors for Nonunion in Arthrodesis Surgery: A Survey of International Orthopaedic Foot and Ankle Surgeons. Podium presentation American Orthopaedic Foot and Ankle Society Winter meeting February 2012.
79. Dielwart, L, **Younger AS**, Penner M, Wing K. Expectations, Satisfaction and Outcome of Ankle Replacements and Fusions at Minimum 4 Years Follow-Up. American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
80. Daniels, T, **Younger AS**, Penner MJ, Wing KJ, Dryden P, Wong H, Glazebrook M: COFAS Multicenter Study Comparing Total Ankle Replacement and Ankle Fusion: Mid-Term Results. American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012. Winner of the Roger Mann Award 2012.

81. Daniels T, **Younger AS**, Penner M, Wing K, Le I, Russell I, Dougall H, Evangelista P, DiGiovanni C., Glazebrook M, Outcomes of Hindfoot and Ankle Fusions Treated with Augment Injectable Bone Graft: Results of a Prospective Randomized Controlled Trial. American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
82. **Younger AS**, Daniels T, Penner M, Oxland T, Mayich J, McInnes K. Mid-Term Revision Rates for a Semi Constrained Ankle Replacement Compared to a Mobile Bearing Ankle Replacement for Aseptic Loosening. American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
83. McInnes K, Oxland T, **Younger AS**: Micromotion analysis. Poster American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
84. Barske H, **Younger AS**: Global approach; Posterior medial approach to the ankle. Poster American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
85. Flavin R, **Younger AS**: comparison of two ankle joint replacements after TAA. Poster American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
86. Steeves M, **Younger AS**, Wing K. Analysis of nonunions of TMT fusion. Poster American Orthopaedic Foot and Ankle Society summer meeting San Diego June 21<sup>st</sup>, 2012.
87. Di Giovanni, CW, Lin, SL, Baumhauer JF, Daniels TR, **Younger AS**, Glazebrook, MA, Anderson JG, Lau, JTC, Evangelista P: Recombinant Human Platelet-Derived Growth Factor – BB and Beta-Tricalcium Phosphate (rhPDGF-BB/Beta-TCP) In Foot and Ankle Fusions. Poster Orthopaedic Trauma Association meeting, Minneapolis, Minnesota Oct 3-6, 2012.
93. Daniels, T, **Younger AS**, Penner MJ, Wing KJ, Dryden P, Wong H, Glazebrook M: COFAS Multicenter Study Comparing Total Ankle Replacement and Ankle Fusion: Mid-Term Results. American Academy of Orthopaedic Surgeons. Annual Meeting. March 2013.
94. Penner M, Wing K, **Younger AS**, Daniels T, Glazebrook M: Comparison between COFAS arthritis type and outcome. Presented to EFORT April 2013.
95. **Younger AS**, Steeves M, Wing K, Penner M: Revision Rates for Nonunions after Foot and Ankle Fusions May be Decreasing in time: Experience Within a Canadian Teaching Hospital Foot and Ankle Program. American Orthopaedic Foot and Ankle Society Meeting, July 2013.
96. Coe M, Sutherland J, Penner M, **Younger A**, Wing K: Clinical Performance and Minimal Clinically Important Difference in the Ankle Osteoarthritis Scale. AAOS annual meeting podium presentation Friday March 21<sup>st</sup>, 2014.
97. Bouchard M, Jones M, Singer S, Pinsker E, Wing K, **Younger A**, Penner M, Daniels T: Outcomes of Tibiotalocalcaneal/Pantalar Fusion versus Total Ankle Replacement with Subtalar Fusion. AAOS podium presentation Friday 21<sup>st</sup> March 2014.
98. **Younger A**, Schmid T, Wing K, Penner M: Comparison of revision rates per year as a proportion of primary joint replacements in British Columbia: Cause for concern for ankle replacements. Podium Presentation AOA/COA Meeting June 2014, Montreal Canada.

99. **Younger A**, Schmid T, Wing K, Penner M: Incidence of ankle joint replacement and fusion in British Columbia. Poster Presentation AOA/COA Meeting June 2014, Montreal Canada.
100. **Ashman, B, Younger A**, White T, Penner M, Wing K: Fluoroscopy Guided Reduction and Fibular Nail Fixation: Using a Minimally Invasive Technique to Manage Unstable Ankle Fractures in Patients with Diabetes. Poster presentation AOA/COA/CORA Meeting June 2014, Montreal Canada.
101. **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Patient expectation and Satisfaction in End Stage Ankle Arthritis: Comparison of ankle replacement and fusion. Poster presentation at the AOA/COA Meeting June 2014, Montreal Canada.
102. **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Standardized coding system for reoperations after ankle fusion and replacement: Recommendations for minimum reporting requirements for the COFAS ankle arthritis Study Group. Poster presentation at the AOA/COA Meeting June 2014, Montreal Canada.
103. Wing K, Sutherland J, Coe M, Penner M, **Younger A**: Clinical Performance and Minimal Clinically Important Difference of the Ankle Osteoarthritis Scale in End Stage Ankle Arthritis. Podium Presentation AOA/COA Meeting June 2014, Montreal, Canada.
104. Kennedy S, Barske H, **Younger A**, Penner M, Wing K, Glazebrook M, Daniels T. The SF - 36 Mental health component summary score does not predict functional outcome after surgery in patients with end stage ankle arthritis. Podium Presentation AOA/COA Meeting June 2014, Montreal, Canada.
105. LeFrancois T, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: COFAS Multicentered Study: Outcomes of Four Different Total Ankle Arthroplasty Prostheses. Presentation AOA/COA Meeting June 2014, Montreal, Canada.
106. Bouchard M, Jones M, Singer S, Pinsker E, Wing K, **Younger A**, Penner M, Daniels T: Outcomes of Tibiotalocaneal/Pantalar Fusion versus Total Ankle Replacement with Subtalar Fusion. Presentation AOA/COA Meeting June 2014, Montreal, Canada.
107. LeFrancois T, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: COFAS Multicentered Study: Outcomes of Four Different Total Ankle Arthroplasty Prostheses. Podium presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
108. **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Lalonde K, Dyden P: Patient Expectation and Satisfaction in End Stage Ankle Arthritis: Comparison of ankle replacement and fusion. Podium presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago. *Awarded the International Federation of Foot and Ankle Societies (IFFAS) Takakura award. The Takakura award is presented once every three years to the best clinical paper at the tri annual IFFAS meeting.*
109. Veljkovic A, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Comparison of Outcome in Isolated Non-deformed End-stage Ankle Arthritis Between Ankle Replacement, Arthroscopic Ankle Fusion and Open Ankle Fusion. Podium

presentation. Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago. Nominated for the Roger Mann award.

110. **Younger A**, Schmid T, Wing K, Penner M: Rates of ankle joint replacement and ankle joint fusion in the Canadian Province of British Columbia. Poster Presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
111. Schmid T, **Younger A**, Wing K, Penner M, Krause F: Comparison of revision rates per year as a proportion of primary joint replacements in British Columbia; Cause for concern for ankle replacements. Poster Presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
112. Penner M, Wing K, **Younger A**, Glazebrook M, Dryden P, Daniels T: COFAS Multicenter Study Comparing Ankle Replacement and Ankle Fusion: The effect of Ipsilateral Peri-Articular Deformity and Arthritis on Mid-Term Outcome. Poster Presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
113. Mercer J, Penner M, Wing K, **Younger A**: Variable Terminology Recording Adverse Events in Total Ankle Replacement Outcomes Literature. Poster Presentation Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
114. Arafah O, Dryden P, **Younger A**, Penner M, Glazebrook M, Daniels T, Wing K: Effect of age on revision rate and outcome scores following total ankle arthroplasty. Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
115. Bouchard M, Jones M, Singer S, Pinsker E, Wing K, **Younger A**, Penner M, Daniels T: Outcomes of Tibiotalocalcaneal/Pantalar Fusion versus Total Ankle Replacement with Subtalar Fusion. Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
116. Kennedy S, Barske H, **Younger A**, Penner M, Wing K, Glazebrook M, Daniels T. The SF - 36 Mental health component summary score does not predict functional outcome after surgery in patients with end stage ankle arthritis. Combined IFFAS/AOFAS annual meeting Chicago, September 19-23, 2014. Chicago.
117. Mercer J, Penner M, Wing K, **Younger A**: Variable Terminology Recording Adverse Events in Total Ankle Replacement Outcomes Literature. Paper presentation, AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.
118. Veljkovic A, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Comparison of Outcome in Isolated Non-deformed End-stage Ankle Arthritis Between Ankle Replacement, Arthroscopic Ankle Fusion and Open Ankle Fusion. Paper presentation, AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.
119. **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Lalonde K, Dyden P: Patient Expectation and Satisfaction in End Stage Ankle Arthritis: Comparison of ankle replacement and fusion. Paper presentation, AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.

120. LeFrancois T, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: COFAS Multicentered Study: Outcomes of Four Different Total Ankle Arthroplasty Prostheses. AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.
121. **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Standardized coding system for reoperations after ankle fusion and replacement: Recommendations for minimum reporting requirements for the COFAS ankle arthritis Study Group. AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.
122. Arafah, O, Daniels T, Dryden P, Glazebrook M, Penner M, Wing K, Wong H, **Younger AS**: Effect of Age on Prosthesis Survivorship and Outcome Scores Following Total Ankle Arthroplasty. Poster presentation: AAOS meeting, Las Vegas, March 25<sup>th</sup>, 2015.
123. Coe M, Sutherland J, Penner M, **Younger A**, Wing K: Clinical Performance and Minimal Clinically Important Difference in the Ankle Osteoarthritis Scale. AOFAS specialty day, Las Vegas, March 28<sup>th</sup>, 2015.
124. Veljkovic A, **Younger A**, Glazebrook M, Daniels T, Wing K, Penner M, Wong H, Dyden P: Comparison of Outcome in Isolated Non-deformed End-stage Ankle Arthritis Between Ankle Replacement, Arthroscopic Ankle Fusion and Open Ankle Fusion. AOFAS specialty day, Las Vegas, March 28<sup>th</sup>, 2015.
125. Baumhauer J, Singh D, Glazebrook M, Blundell C, Westborough G, Devries G, Le I, Nielsen D, Petersen E, Sakellariou A, Solan M, **Younger A**, Daniels T. 2015 Roger Mann Award Winner: Prospective, randomized, Multicentered Clinical Trial Assessing Safety and Efficacy of a Synthetic Cartilage Implant versus First Metatarsophalangeal Arthrodesis in Advanced Hallux Rigidus. AOFAS annual Meeting, Long Beach California July 17<sup>th</sup>, 2015.
126. Daniels T, Pinsker E, Desai S, Glazebrook M, Penner M, Wing K, **Younger A**. Comparison of Health-Related Quality of Life Between Patients with Unilateral and Bilateral End-Stage Ankle Arthrosis. AOFAS annual Meeting, Long Beach California July 17<sup>th</sup>, 2015.
127. Wing K, Coe M, Daniels T, Glazebrook M, Dryden P, **Younger A**, Penner M, Chapinal N, Sutherland J. Re-evaluating the Intermediate Term Results of Ankle Replacement and Ankle Fusion with the Revised Osteoarthritis Scale (RAOS). AOFAS annual Meeting, Long Beach California July 17<sup>th</sup>, 2015.
128. McEwen JA, Masri BA, Day B, **Younger AS**. Development of Personalized Tourniquet Systems Using a New Technique for Measuring Limb Occlusion Pressure. In World Congress on Medical Physics and Biomedical Engineering, June 7-12, 2015, Toronto, Canada 2015 (pp. 1325-1328). Springer International Publishing.
129. Veljkovic A, Daniels T, Glazebrook M, Dryden P, Penner M, Wing K, **Younger A**. Outcomes of isolated non-deformed end-stage ankle arthritis: Comparing replacement (TAR), open fusion (OAA), and arthroscopic fusion (AAA). VSOU/ASG Conference. Baden-Baden, Germany. April 30, 2016.
130. Veljkovic A, Daniels T, Glazebrook M, Dryden P, Penner M, Wing K, **Younger A**. Comparison of outcome in isolated non-deformed end-stage ankle arthritis between ankle replacement, arthroscopic ankle fusion, and open ankle fusion. Amboise Pare University Hospital. Paris, France, Oct 18, 2016

131. Veljkovic A, Daniels T, Glazebrook M, Dryden P, Penner M, Wing K, **Younger A**. Outcomes of isolated non-deformed end-stage ankle arthritis: Comparing replacement (TAR), open fusion (OAA), and arthroscopic fusion (AAA). HFR Hopital Cantonal, Fribourg University, Fribourg, Switzerland, Nov 2, 2016
132. Veljkovic A, Daniels T, Glazebrook M, Dryden P, Penner M, Wing K, **Younger A**. Outcomes of isolated non-deformed end-stage ankle arthritis: Comparing replacement (TAR), open fusion (OAA), and arthroscopic fusion (AAA). French Orthopaedic and Traumatology Society (SOFOT). Paris. France. Nov 8, 2016
133. Jeyasurya J, McEwen J, **Younger A**, Day B: "New Technique for Measuring Limb Occlusion Pressure Facilitates Personalized Tourniquet Systems: A Randomized Trial" Podium presentation at the 2016 AOFAS (American Orthopaedic Foot and Ankle Society) Annual Meeting July 23, 2016 in Toronto, Ontario.
134. **Younger A**, Daniels T, Glazebrook M, Penner M, Wing K, Dryden P. Swelling results in poor outcome after ankle arthritis surgery. Poster presentation at the 2016 AOFAS Annual Meeting to be held July 20-23, 2016 in Toronto, Ontario.
135. Krause F, Pinzur M, Baumhauer J, DiGiovanni C, Daniels T, Glazebrook M, Thevendran G, Evangelista P, Mair R **Younger A**. Clinical outcomes of nonunions in hindfoot and ankle fusions. Poster presentation at the 2016 AOFAS Annual Meeting to be held July 20-23, 2016 in Toronto, Ontario.
136. Daniels T, Desai S, Pinsker E, Glazebrook M, Penner M, Wing K, **Younger A**. Comparison of Health related Quality of Life Between Patients with Unilateral and Bilateral End-stage Ankle Arthrosis. Poster presentation at the 2016 AOFAS Annual Meeting to be held July 20-23, 2016 in Toronto, Ontario.
137. Ashman B, Wing K, Kong , Penner M, White T, **Younger A**. The use of a fibular nail to treat ankle fractures in patients with diabetes: A prospective series. Poster presentation at the 2016 AOFAS Annual Meeting to be held July 20-23, 2016 in Toronto, Ontario.
138. Ngai J, **Younger A**, Veljkovic A, Wing K, Penner M. Resource utilization after ankle arthritis surgery: comparison between ankle replacement, open and arthroscopic ankle fusion. An alternative metric to complications. Poster presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.
139. Daniels T, Kinjal, Pinsker E, Glazebrook M, Penner M, Wing K, **Younger A**. Does Smoking affect outcome in surgical management of ankle arthritis? A COFAS multicenter study. AOFAS summer meeting, Toronto July 2016.
140. Gagne O, Veljkovic A, Penner M, Wing K, Daniels T, Glazebrook M, Dryden P, **Younger A**. The return to work and function two years after surgical treatment of tibiotalar arthritis. Poster presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.
141. Schmid T, Penner M, Wing K, Veljkovic A, **Younger A**. "Arthroscopic ankle fusion: are results reproducible irrespective of pre-operative coronal deformity? Poster presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.

142. Miniaci-Coxhead S, Baumhauer J, Glazebrook M, Penner M, Pinsker E, Wing K, **Younger A**, Daniels T. Intermediate Outcomes of Hydrogel Implant for Hallux Rigidus. Podium presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.
143. **Younger A**, Penner M, Wing K, Veljkovic A, Goplen G, Lalonde K, Dyden P. Inter and intra observer reliability of a classification system for reoperations after end stage ankle arthritis surgery. Podium presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.
144. Wing K, Sutherland, Croft, **Younger A**, Penner, Glazebrook. Is the Canadian Orthopaedic Foot and Ankle Society Ankle Arthritis Score (COFAS AAS) Associated with the need for revision surgery? Podium presentation at the 2016 AOFAS Annual Meeting July 20-23, 2016 in Toronto, Ontario.
145. **Younger A**, Penner M, Wing K: Ultrasound use for determination of Polyvinyl Alcohol Hemiarthroplasty height of the first MTP joint. A pilot study and correlation with outcomes. Presented to the Cartiva study group, London England, March 4<sup>th</sup>, 2017.
146. **Gagne O**, Glazebrook M, Daniels T, VeljkovicA, Penner M, Wing K, Dryden P, Younger AS: A Prospective Cohort-study on the Return to Work and Function Two Years after Surgical Treatment of Tibiotalar Arthritis. AAOS Meeting, San Diego, California March 2017.
147. **Younger A**, Penner M, Daniels T, Glazebrook M, Dryden P, Wing K, Veljkovic A, Wong H: Reduced Swelling Improves Outcome after Ankle Arthritis Surgery. A Prospective Cohort Review. AAOS meeting, San Diego March 2017.
148. **Alastair Younger**, Jacquie Ngai, Hubert Wong, Andrea Veljkovic, Kevin Wing, Murray Penner: Resource Utilization After Surgery for End-Stage Ankle Arthritis: Comparison Between Ankle Replacement, Open and Arthroscopic Ankle Fusion. ISAKOS Shanghai China June 4 to 8 2017.
149. **Alastair Younger**, Andrea Veljkovic, Mark Glazebrook, Peter Dryden, Hubert Wong, Murray Penner, Timothy Daniels. Swelling After Arthroscopic Ankle Fusion, Open Ankle Fusion and Total Ankle Arthroplasty: A Prospective Cohort Comparison. ISAKOS Shanghai China June 4 to 8 2017.
150. Roberts L, Sutherland J, Wing K, Penner M, **Younger A**, Veljkovic A: Changes in Health State in Patients Awaiting Orthopaedic Foot & Ankle Care: A Prospective Human Behavioral Study. COA Podium Presentation June 2017 Ottawa Ontario.
151. Hunt K, Balderini T, **Younger A**: Simulated arthroscopic hallux MT arthrodesis utilizing full thread compression screws shows similar stiffness and load to failure compared to locking plate, with less plantar gapping. AOFAS Poster Presentation July 2017 Seattle Washington.
152. **Alastair S.E. Younger**, Sam Si-Hyeong Park, Andrea Veljkovic, Murray Penner, Kevin Wing. Rates of Acute and Delayed Achilles Repair: Changes in Practice Secondary to an



RCT Study AOFAS Podium Presentation July 2017 Seattle Washington. Finalist paper Roger Mann Award.

153. **Alastair S.E. Younger**, Sam Si-Hyeong Park, Andrea Veljkovic, Murray Penner, Kevin Wing. Lost wages secondary to ankle arthritis in British Columbia in patients undergoing ankle fusion or replacement x AOFAS Poster Presentation July 2017 Seattle Washington.
154. **Younger A**, Penner M, Wing K, Nacht J, Wang Z, Wester T, Harrison A. A Prospective Study Evaluating Intra-Articular Hyaluronic Acid (1ml) for Ankle Osteoarthritis - AOFAS Poster Presentation July 2017 Seattle Washington.
155. Judith F. Baumhauer, Chris Blundell, Andrew Goldberg, Mark Glazebrook, Gwyneth de Vries, M. Elizabeth Pedersen, **Alastair Younger**, Dishan Singh, Mark Bowen Davies, Timothy Daniels. Correlation of Hallux Rigidus Coughlin Grade with First MTP Motion, Intraoperative Cartilage Loss and Treatment Success for 1st MTP Arthrodesis and Hemiarthroplasty. AOFAS Podium Presentation July 2017 Seattle Washington. Winner of the Roger Mann Award.
156. **A. Younger**, Waly F, Wing K, Penner M, Wing K. Preoperative Patient-reported Outcome Measures (PROMs) Predict Postoperative Success in Patients with End-Stage Ankle Arthritis –AOFAS Poster Presentation July 2017 Seattle Washington.
157. Andrew J. Goldberg, Mark Glazebrook, Timothy Daniels, Gwyneth de Vries, M. Elizabeth Pedersen, **Alastair Younger**, Dishan Singh, Chris Blundell, Anthony Sakellariou, Judith Baumhauer. The Influence of Patient Factors on the Outcome of Synthetic Cartilage Implant Hemiarthroplasty Versus First Metatarsophalangeal Joint Arthrodesis AOFAS Podium Presentation July 2017 Seattle Washington.
158. M. Penner, K. Wing, **A. Younger**, M. Glazebrook, T. Daniels. The effect of deformity and hindfoot arthritis on mid-term outcomes of ankle replacement and fusion IFFAS meeting Lisbon Portugal Sept 28 to 30 2017.
159. **A. Younger**, Waly F, Wing K, Penner M, Wing K. Preoperative Patient-reported Outcome Measures Predict Success in Patients with Ankle Arthritis IFFAS meeting Lisbon Portugal Sept 28 to 30 2017.
160. Yeo N, Waly F, Glazebrook M, Veljkovic A, Wing K, Penner M, **Younger A**. The reliability of computerized tomography in the Assessment of Ankle Fusion. IFFAS meeting Lisbon Portugal Sept 28 to 30 2017.
161. Waly F, **Younger A**, Wing K, Penner M, Veljkovic A. Preoperative Patient-Reported Outcome Measures (PROMs) Predict Postoperative Success in Patients with End-Stage Ankle Arthritis. AAOS New Orleans 7<sup>th</sup> March 2018.
162. Netto C, Lintz F, Arne B, Barg A, Ellis S, Phisitkul P, Godoy-Santps A, Nery C, Klaue K, Buedts K, Welck M, Demehri S, Lee W, Kim J, Giovanni T, Saltzman C, **Younger A**, Schon L, Deland J, Easley M, Femino J, Richter M. How Can Weight Bearing Cone Beam Computed Tomography Help in the Treatment of Patients with Foot and Ankle Pathologies? Scientific Exhibit SE20, AAOS Annual Meeting, March 6 to 10 2018, New Orleans.

163. International consensus group of Cartilage repair of the ankle: Debridement, Curettage, Microfracture, and Fixation Techniques for Osteochondral Lesions of the Talus. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA. (member of the consensus group).
164. International consensus group of Cartilage repair of the ankle: Diagnosis, Physical Exam and Imaging for Osteochondral Lesions of the Talus. Poster presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA. (member of the consensus group).
165. International consensus group of Cartilage repair of the ankle: Conservative Management and Biological Treatment Strategies for Osteochondral Lesions of the Talus. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA. (member of the consensus group).
166. Penner M, Wing K, Glazebrook M, Daniels T, **Younger A**: The effect of deformity and hindfoot arthritis on midterm outcomes of ankle replacement and fusion: A prospective COFAS multicenter study of 890 patients. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
167. Symes M, Veljkovic A, Penner M, **Younger A**, Wing K: The other adjacent joint: Knee pain in ankle arthroplasty and ankle arthrodesis. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
168. Wing K, Sutherland J, Daniels T, Dryden P, Glazebrook M, **Younger, A**, Veljkovic A. An update on the Canadian Experience treating end stage ankle arthritis with fusion or replacement surgery. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
169. Lee B, Escuerdo M, Penner M, Wing K, **Younger A**, Veljkovic A: radiographic analysis of total ankle replacements: A COFAS study. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
170. Symes M, Veljkovic A, Penner M, **Younger A**, Wing K: The impact of lower back pain on functional outcomes for ankle arthritis treated with arthroplasty and arthrodesis. A COFAS study. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
171. Escuerdo M, Lee B, Penner M, Wing K, **Younger A**, Veljkovic A: Predicting failure in total ankle arthroplasty. A COFAS study. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
172. Kevin Wing, Jason Sutherland, **Alastair Younger**, Andrea Veljkovic, Trafford Crump, Guiping Liu. Delayed access to bunion correction surgery: Are patient-reported outcomes affected? Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.
173. Glazebrook M, Baumhauer J, Blundell C, De Vries G, Le I, Nielsen D, Pedersen E, Sakellariou A, Solan M, Wansbrough G, **Younger A**, Five year outcomes of a synthetic cartilage implant for the first MTP joint in advanced hallux rigidus. Podium presentation. AOFAS summer meeting, July 11 to 13<sup>th</sup> 2018. Boston MA.

174. **Younger**, Wing, Penner, Glazebrook, Daniels: Prospective multicenter comparison of the effect of deformity and hindfoot arthritis on the outcomes of ankle replacement and fusion at mid-term in 1009 cases. SICOT Montreal October 10<sup>th</sup>, 2018.
175. **Younger** et al: Osteochondral Autograft and Allograft for Osteochondral Lesions of the Talus: Results from an International Consensus Meeting. SICOT Montreal October 10<sup>th</sup>, 2018.
176. Symes M, Veljkovic A, Penner M, **Younger A**, Wing K: The impact of lower back pain on functional outcomes for ankle arthritis treated with arthroplasty and arthrodesis. A COFAS study. Podium presentation. AAOS meeting, March 2019, Las Vegas.
177. **Younger A**, Ellington K, Raikin S, Giza E, Bohay D, Usuelli F, Krause F, Patsalis T, Tiusanen H, Frauchiger L. Minimum 2 year prospective follow up on a laterally placed trabecular metal total ankle arthroplasty. AOFAS meeting, Chicago IL, September 2019.
178. **Younger A**, Wing K, Veljkovic A, Penner M, Wong, Q. Rates of nonunion for different joints after foot and ankle surgery: A review of 2301 fusions AOFAS meeting, Chicago IL, September 2019.
179. Gagne O, Penner M, Veljkovic A, Wing K, **Younger A**: An intra-operative assessment of the axial rotational positioning of the tibial component using patient-specific instrumentation Prophecy. AOFAS meeting, Chicago IL, September 2019.
180. **Younger A**, Wing, K Veljkovic A, Penner M, Wong, Q. A comparison of fusion rates and risk factors in a cohort of 2301 foot and ankle fusions comparing the use of no graft and graft. Poster board AOFAS meeting, Chicago IL, September 2019.
181. **Younger A**, Ellington K, Raikin S, Giza E, Bohay D, Usuelli F, Krause F, Patsalis T, Tiusanen H, Frauchiger L. Cementless vs cemented total ankle arthroplasty: A prospective comparison of the laterally placed trabecular metal ankle AOFAS meeting, Chicago IL, September 2019.
182. Steven L. Haddad, Gregory C. Berlet, Judith F. Baumhauer, Mark Glazebrook, **Alastair Younger**, W. Hodges Davis, Jovelyn D. Quiton, David A. Fitch, Timothy R. Daniels, Christopher W. DiGiovanni, IMPACT OF PATIENT AGE AND GRAFT TYPE ON FUSION FOLLOWING ANKLE AND HINDFOOT ARTHRODESIS: Combined Australia & New Zealand Orthopaedic Foot & Ankle Societies Conference, Surfers Paradise, Queensland, Australia, 2019.
183. Jeyaseelan L, D. Lowe, M. Penner, D. Richardson, **Younger A**, Veljkovic A. Outcomes following revision ankle arthrodesis in primary ankle fusion nonunion. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 25, 2020. Cancelled for COVID.
184. **Younger A**, M. Penner, Hong Qian, , A. Veljkovic, K. Wing, H. Wong: Assessing fusion rates in the foot and ankle: A pragmatic case series of 2301 foot and ankle fusions using selective grafting in at risk patients. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 25, 2020. Cancelled for COVID.
185. Oliver Gagne, Murray Penner, Andrea Veljkovic, Kevin Wing, **Alastair Younger**. Lateral vs Anterior Total Ankle Replacement: A Different Reoperation Profile. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 25, 2020. Cancelled for COVID.

186. Bernard Burgesson, Tim Daniels, Mark Glazebrook, **Alastair Younger**. Clinical Outcome Results of Total Ankle Arthroplasty and Ankle Arthrodesis: A Pilot Randomized Controlled Trial. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 25, 2020. Cancelled for COVID.
187. Zahra Abbas, Lindsay Anderson, Oliver Gagne, Johnny Lau, Murray Penner, Khalid Syed, Andrea Veljkovic, Kevin Wing, **Alastair Younger**. High Pain Catastrophizing Score Predicts Poor Outcome in the Complex Foot and Ankle Patient. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 24, 2020. Cancelled for COVID.
188. A. Cheema, O. Gagne, M. Penner, A. Veljkovic, K. Wing, **A. Younger**. Is Dexamethasone Use in Peripheral Nerve Blocks Altering the Recovery of Nerve Injuries? Poster American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 23<sup>rd</sup>, 2020. Cancelled with COVID 19.
189. O. Gagne, M. Penner, D. Townshend, A. Veljkovic, K. Wing, **A. Younger**. An Intraoperative Assessment of the Axial Positioning of a Modern Total Ankle Arthroplasty Tibial Component using Preoperative Patient-Specific Instrumentation Guidance. Poster American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 23<sup>rd</sup>, 2020. Cancelled with COVID 19.
190. Baumhauer J, Berlet G, Daniels T, Davis W. H, DiGiovanni C, Fitch D, Glazebrook M, Quilton J, **Younger A**. Impact of Patient Age and Graft Type on Fusion Following Ankle and Hindfoot Arthrodesis. American Academy of Orthopaedic Surgeons Annual Meeting Orlando Florida March 24, 2020. Cancelled with COVID 19.

(f) *Other*

(g) *Conference Participation (Organizer, Keynote Speaker, etc)*

1. Moderator, 10 paper session on Orthopaedics and Tissues, XIII International Congress on Biomechanics, Perth Australia, December 1991.
2. Speaker, Grand Rounds, Department of Orthopaedics, University of Calgary, April 1997.
3. Course Faculty, Workshop, Management of the Rheumatoid Foot, Canadian Rheumatology Conference, Lake Louise, AB, February 1999
4. Course Faculty, Orthopaedic Update, University of British Columbia, May 1999.
5. Course Faculty, 4<sup>th</sup> Biennial Foot and Ankle Symposium, University of Toronto, April 8-9, 2000.
6. Course Faculty, Orthopaedic Update, University of British Columbia, May 24-26, 2000.

7. Local Coordinator, Canadian Orthopaedic Association Anica Bitenc Fellowship, June 18-24, 2000.
8. Course Faculty, St. Paul's Hospital Annual Update, November 15-17, 2000.
9. Course Faculty, Arthroscopic Surgery Symposium, Whistler, February 22-24, 2001.
10. Moderator, Resident's Day, Session on Foot and Ankle Case Presentations, May 2001
11. Course Faculty and Moderator, Resident's Day, University of British Columbia, December 2001.
12. Course Faculty, 5h Biannual Foot and Ankle Symposium, University of Toronto, April 2002.
13. Course Faculty and Royal College Visiting Professor, Glen Edwards Days, The University of Calgary, June 2002.
14. Course Faculty, Orthopaedic Update, University of British Columbia, June 2002.
15. Conference Chairman and Coordinator, 1<sup>st</sup> Annual Symposium of the Canadian Orthopaedic Foot and Ankle Society, April 12-13, 2003.
16. Course Faculty, Orthopaedic Update, University of British Columbia, May 2003.
17. Speaker, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Fajardo, Puerto Rico, May 15-17, 2003.
18. Course Faculty and Moderator, 6<sup>th</sup> Biannual Foot and Ankle Symposium, University of Toronto, April 2004.
19. Course Faculty, Advanced/Comprehensive Foot and Ankle Reconstruction Course, Fajardo, Puerto Rico, May 2004.
20. Course Chairman, Foot and Ankle, Arthroscopy Association of North America, Palm Desert, CA, December 2004.
21. Cadaver Laboratory Chairman, Foot and Ankle Laboratory, Arthroscopy Association of North America, Fall Course, Palm Desert, December 2, 2004.
22. Faculty, Arthroscopy Association of North America Specialty Day, Washington, D. C. February 2005.
23. Faculty, American Orthopaedic Foot and Ankle Society Specialty Day, Washington, D.C. February 2005.
24. Moderator, Canadian Orthopaedic Foot and Ankle Society Annual Symposium, April 7-9, 2005.
25. Course Faculty, American Orthopaedic Foot and Ankle Society Sports Medicine Course, Scottsdale, Arizona, April 2005.
26. Chairman, Live Surgery Day, Canadian Orthopaedic Foot and Ankle Society, Distraction Arthroplasty and Planovalgus Foot Reconstruction with Dr. D. Beaman and Dr. G. Pomeroy. April 7, 2005.
27. Moderator, American Orthopaedic Foot and Ankle Society Sports Medicine Course, Scottsdale, Arizona, May 2005.

28. Course Coordinator, Arthroscopy Association of North America, Instructional Course on Advanced Techniques of Ankle Arthroscopy, May 2005.
29. Moderator: Hip Hip Hurray! Question night, May 16, 2005.
30. Instructional Course Chairman and Faculty, Arthroscopy Association of North America Annual Meeting, Vancouver, BC, May 2005.
31. Course Faculty, Learning Centre, Foot and Ankle Course, October 2005.
32. Faculty, Advances and Innovations in Foot and Ankle, New York City, December 10, 2005.
33. Chairman, Foot and Ankle Course, Fall Course, Arthroscopy Association of North America, Phoenix, Arizona, December 2005.
34. Instructional Course Lecture Faculty, American Academy of Orthopaedic Surgeons, March 2006.
35. Course Faculty, first Canadian Orthopaedic Foot and Ankle Society think tank, Niagara, ON, June 2006.
36. Moderator, Canadian Orthopaedic Foot and Ankle Society Symposium, Toronto, Ontario, April 2006.
37. Moderator, Arthroscopy Association of North America Annual Meeting, Florida, May 2006.
38. Course Faculty, Arthroscopy Association of North America Annual Meeting, Florida, May 2006.
39. Course Faculty, University of British Columbia Annual Update, May 2006.
40. Course Faculty, Arthroscopy Association of North America Annual Meeting, Hollywood, CA, June 2006.
41. Local Host, American Orthopaedic Foot and Ankle Society Traveling Fellows, July 2006.
42. Course Faculty, Arthroscopy Association of North America fall Meeting, Palm Desert, CA, November 2006.
43. Master Instructor, Arthroscopy Association of North America, Learning Centre in Foot and Ankle Arthroscopy, November 2006.
44. Guest Faculty, North-western University, Chicago, IL, November 2006
45. Course Faculty, Advances and Innovations in Foot and Ankle, New York City, December 2006.
46. Course Faculty, Learning Center Foot and Ankle Course, Chicago, November 2006.
47. Course Coordinator & Chairman, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver, BC, March 2007.
48. Master instructor, Arthroscopy Association of North America, Learning Centre in Foot and Ankle Arthroscopy, September 2007.
49. Course Faculty, Canadian Orthopaedic Association annual meeting, Halifax, June 2007.
50. Course Faculty, American Orthopaedic Foot and Ankle Society Summer Meeting, Toronto, Ontario. July 2007.

51. Course Faculty, American Academy of Orthopaedic Surgeons Annual meeting; Instructional Course Lecture on Rheumatoid Foot deformities. March 5<sup>th</sup>, 2008.
52. Course Faculty, Advanced foot and ankle course of the AOFAS, May 1-3, 2008. San Francisco.
53. Course Faculty, Canadian Orthopaedic Foot and Ankle Society Symposium, Toronto, 12<sup>th</sup> and 13<sup>th</sup> of April 2008.
54. Course faculty, COA and AOA combined meeting, Quebec City, June 4<sup>th</sup> to 8<sup>th</sup> 2008.
55. Canadian Orthopaedic Foot and Ankle Society Think Tank, La Mabelle, June 8<sup>th</sup> and 9<sup>th</sup>, 2008.
56. Course moderator, American Orthopaedic foot and ankle society meeting, Denver Co, June 28<sup>th</sup> to 31<sup>st</sup> 2008.
57. Master Instructor, Learning center foot and ankle course, Chicago, September 13<sup>th</sup> and 14<sup>th</sup> 2008.
58. Course Faculty, Arthroscopy association of North America Fall Meeting, Scottsdale Arizona November 2008.
59. Instructional course lecturer, American Academy of Orthopaedic Surgeons Annual Meeting, Las Vegas, Nevada February 2009.
60. Local host, American Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver, BC. July 14<sup>th</sup> to 18<sup>th</sup> 2009.
61. Moderator, Scientific session, Canadian Orthopaedic Association Meeting, Whistler BC, July 4<sup>th</sup>, 2009.
62. Moderator, Tricks and Tips Session, Canadian Orthopaedic Association Meeting, Whistler, BC July 6<sup>th</sup>, 2009.
63. COFAS think tank, July 2009, Whistler BC.
64. Moderator, Scientific session, American Orthopaedic Foot and Ankle Society Meeting, Vancouver BC July 16<sup>th</sup>, 2009.
65. Local Host, American Orthopaedic Foot and Ankle Society Travelling Fellows, July 18<sup>th</sup> to 22<sup>nd</sup> 2009.
66. Guest Lecturer, Arthroscopy Association of North America, Palm Desert, November 19 to 21<sup>st</sup> 2009.
67. Guest Professor, Saudi Arabian Orthopaedic Association Meeting, Al Khobar, Saudi Arabia, January 13<sup>th</sup> to 22<sup>nd</sup> 2010.
68. Instructional course lecturer, American Academy of Orthopaedic Surgeons, March 10 to 13<sup>th</sup> 2010.
69. Guest Lecturer, COFAS symposium, Toronto Ontario April 9 to 11<sup>th</sup> 2010.
70. Guest Lecturer, University of British Columbia Update, May 13<sup>th</sup> to 14<sup>th</sup> 2010.
71. Guest Lecturer, Canadian Orthopaedic Association Meeting, June 17 to 20<sup>th</sup> 2010.
72. Guest lecturer, Biomimetic Symposium, AOFAS annual Meeting, National Harbour, Maryland, July 7<sup>th</sup>, 2010.

73. Master Instructor, Foot and Ankle arthroscopy, AAOS Learning Centre, Chicago, September 2010.
74. Course Chairman, Biomimetrics and Corrin presentation at COA, June 2010.
75. COFAS think tank, June 2010. River Cree Resort.
76. Master Instructor, Foot and Ankle arthroscopy, AAOS Learning Centre, Chicago, September 2010.
77. Visiting Surgeon, University of Alberta, Edmonton October 2010. Techniques in arthroscopic ankle arthrodesis.
78. Guest Lecturer, Arthroscopy Association of North America Fall Meeting, Scottsdale Arizona November 2010.
79. Course Chairman, COFAS ankle arthroscopy lab, January 26<sup>th</sup>, 2011.
80. Course Chairman, COFAS resident and fellow sawbones half day, January 27<sup>th</sup>, 2011.
81. Course Chairman, Canadian Orthopaedic Foot and Ankle Society Annual Meeting, Vancouver B. C. January 2011.
82. Instructional Course Lecturer, AAOS meeting, February 2011.
83. Guest Lecturer, Canadian Orthopaedic Association Meeting, St. John's Newfoundland July 2011.
84. Guest Lecturer, Arthroscopy Association of North America Meeting, San Francisco, CA April 2011.
85. Master Instructor, Foot and Ankle arthroscopy, AAOS Learning Centre, Chicago, September 2011.
86. Guest lecturer, COFAS annual symposium, April 2012. Toronto Ontario.
87. Guest lecturer, UBC family medicine update (CME on the Run). June 2012.
88. Guest lecturer, Family medicine update, Victoria, June 2012.
89. Guest lecturer, Canadian Orthopaedic Association Meeting, Ottawa, Ontario, June 2012.
90. Invited guest speaker, SPINE meeting, Beirut, June 2012.
91. Guest speaker, COFAS retreat, Osoyous, BC. September 2012.
92. Master Instructor, AAOS Learning centre, September 2012.
93. Guest lecturer, AANA fall meeting, November 2012.
94. Guest speaker, British Orthopaedic Foot and Ankle Society, November 2012.
95. Invited speaker, Vu Medi Symposium, San Francisco, November 2012.
96. Invited guest speaker, Royal College of Surgeons, Glasgow, November 2012.
97. Course Co Chairman, COFAS biannual meeting, Whistler, British Columbia, January 2013.
98. Invited guest speaker, AOFAS specialty Day, March 2013.



99. Instructional course lecturer, AAOS meeting, March 2013.
100. British Columbia Orthopaedic Association Update, April 2013.
101. Chairman, Foot and ankle Cadaver Lab, Centre for Surgical Excellence, Vancouver, BC. May 2013.
102. Guest speaker, Complication course, AOFAS, Charlotte, North Carolina, May 2013.
103. Guest speaker, Canadian Orthopaedic Association Meeting, Winnipeg, June 2013.
104. Moderator, American Orthopaedic Foot and Ankle Society Precourse, Hollywood Florida 17<sup>th</sup> July 2013
105. Guest speaker, American Orthopaedic Foot and Ankle Society Meeting, Hollywood, Florida 18-20 July 2013.
106. Visiting Professor, Yale University, September 2013.
107. Master Instructor, AANA foot and ankle course, AAOS learning centre, Chicago, IL Sept 2013.
108. Invited speaker, German Orthopaedic Foot and Ankle Society, December 2013.
109. Instructional course lecture, AAOS, New Orleans, March 2014.
110. Course Faculty, AOFAS specialty day, New Orleans March 2014.
111. Course Faculty, COFAS think tank, Toronto, Ontario, April 2014.
112. Course Faculty, COFAS symposium, Toronto, Ontario, April 2014.
113. Course Faculty, AOA/COA meeting, Montreal, Canada June 2014.
114. Visiting Professor, Gold Coast, Australia, August 2014.
115. Course Faculty, IFFAS/AOFAS meeting, Chicago, September 2014.
116. Guest Professor, Baltimore, MD, October 2014.
117. Master Instructor, AANA foot and ankle course, AAOS learning centre, Chicago, IL October 2014.
118. Moderator and course faculty, Vu Medi event: San Francisco, California. November 21to 23, 2014.
119. Course faculty, Las Vegas Summit course, December 2014.
120. ICL faculty, AAOS meeting, Las Vegas, March 2015.
121. Course faculty, AOFAS winter meeting, Las Vegas, March 2015.
122. Guest speaker, Canadian Orthopaedic Association Meeting, Vancouver, June 2015.
123. Master Instructor, AANA foot and ankle course, AAOS learning centre, Chicago, IL August 2015.
124. Guest Professor, Baltimore, MD, September 2015.

125. Master Instructor, AANA foot and ankle course, AAOS learning centre, Chicago, IL August 2015.
126. Course Faculty, AAOS Meeting, Orlando FL, March 2016.
127. Guest lecturer, AANA fall meeting, Las Vegas, November 2016.
128. Guest Lecturer, AOFAS Advanced Course, Cleveland Ohio, April 2016.
129. Course Faculty, COFAS symposium, Toronto Ontario, April 2016.
130. Course Faculty, Canadian Orthopaedic Association Meeting, Ottawa Ontario, June 2016.
131. Course Faculty, AOFAS precourse meeting, Toronto Ontario, July 19<sup>th</sup>, 2016.
132. Course Faculty, AOFAS annual meeting, Toronto, Ontario, July 20 to 23<sup>rd</sup>, 2016.
133. Course Faculty, Global Bio skills Acumed Meeting, Toronto Ontario July 2016.
134. Course faculty: Mercy minimally invasive foot course, Baltimore MD, Oct 2016.
135. Course Faculty, Orthopaedic Summit Foot and Ankle Faculty, Las Vegas, December 9 and 10 2016.
136. Visiting Surgeon, Joel Vernois, England, UK.
137. Dewar Society Meeting, Halifax NS. Attendee and lecturer, September 8 to 10, 2016.
138. Course Faculty, British Columbia Orthopaedic Update, Vancouver, May 10 to 12 2017.
139. Course Faculty, Canadian Orthopaedic Association Meeting, Ottawa, June 2017.
140. Course Faculty, American Orthopaedic Foot and Ankle Society Meeting, Seattle, July 2017.
141. Guest Lecturer, Brazilian Foot and Ankle Society, Gramado, Brazil, May 18 to 20 2017.
142. Course Faculty, IFFAS meeting, Lisbon, Portugal September 2017.
143. Course Faculty, GRECMIP meeting, Baltimore, MD. October 2018.
144. Guest Lecturer, BOFAS meeting, Edinburgh, November 2018.
145. Speaker, Summit meeting. Las Vegas December 2018.
146. Moderator, AAOS meeting, Las Vegas, March 2019.
147. Speaker and Moderator, AOFAS meeting, September 2019.
148. Speaker, FISIC meeting, London England November 2019.
149. Speaker and Moderator, EFAS meeting, Madrid Spain November 2019.
150. Speaker and Moderator, Summit meeting, Las Vegas December 2019.
151. Moderator and initiator ICL AAOS, Orlando Florida. March 2020. Cancelled from COVID 19.

152. Speaker, AOFAS subspecialty day, Orlando Florida. March 2020. Cancelled from COVID 19.
153. Speaker, AOFAS advanced course, Chicago IL. May 2020. Cancelled from COVID 19.
154. Speaker, IFFAS meeting, Santiago, Chile. April 2020. Cancelled from COVID 19.
155. Speaker, Think tank, COFAS, and lab COFAS meeting, Toronto Ontario. April 2020. Cancelled from COVID 19.

*(h) Future Planned*

## **10.1 SERVICE TO THE UNIVERSITY**

*(a) Memberships on committees, including offices held and dates*

*(b) Other service, including dates*

1. Orthopaedic Residency Training Committee, Department of Orthopaedics 2004 to present
2. Foot and Ankle Representative, Division of Lower Extremity Reconstruction and Oncology, Department of Orthopaedics. 2001-2008.
3. Foot and Ankle Representative, Division of Arthroscopy and Athletic Injuries, Department of Orthopaedics 2001 - 2007
4. Member, Clinical Faculty Association, 1998-present
5. Resident selection committee, Department of Orthopaedics February 2008
6. Orthopaedic Representative, Year 4 committee, University of British Columbia Medical School, July 2007 to July 2010.
7. Academic Director, Orthopaedic Research Office, St. Paul's Hospital – November 2008 to present.
8. Head, Division of Distal Extremities, Department of Orthopaedics. January 2009 – July 2010.
9. Head, Division of Distal Extremities, Department of Orthopaedics, July 2012 – present
10. Residency program coordinator, St. Paul's site, July 2012-
11. Case Based Learning Tutor Training – September 27<sup>th</sup> and 29<sup>th</sup> 2016.
12. Residency program committee, UBC Department of Orthopaedics, 1998 – present
13. Faculty Advisory Committee, UBC Department of Orthopaedics, July 2012 – present
14. Orthopaedic Academic Council, UBC Department of Orthopaedics, July 2012 – present
15. Orthopaedic residency training program Competency committee member, July 2018 – present

## **10.2 SERVICE TO THE HOSPITAL**

*(a) Memberships on committees, including offices held and dates*

1. Member, Search Committee for Patient Care Leader Ambulatory Care and Medicine, Providence Health care, June 2002.
2. Member, Site Consolidation Committee, Providence Health Care, May-October 2002.
3. Member, Search Committee for Head, Division of Orthopaedics, Providence Health Care, September-October 2002.
4. Member, Search Committee for Head, Division of Radiology, Providence Health Care, October 2002.

5. Member, Surgical Services Planning Project, Review of Foot and Ankle Surgery in the Coastal Health Region, August-November 2003.
7. Member, Foot and Ankle Research Committee, Providence Health Care, 2002-2004.
8. Physician Leader, Ambulatory Care, Surgical Program Steering Committee, Providence Health Care 2001-2006.
9. Member, Foot and Ankle Clinic, ADH/PL Committee, Providence Health Care.
10. Foot and Ankle Representative, Mount St. Joseph/St. Vincent Hospital Surgical Care Committee, Providence Health Care.
11. Physician Leader, Ambulatory Care Redesign Committee, Providence Health Care.
12. Member, Surgical Accreditation Team, St. Paul's Hospital, April 2004.
13. Member, Ambulatory Care Accreditation Team, St. Paul's Hospital. April 2004.
14. Member, Outpatient redesign team, July 2007 –Jan 2009
15. Member, Arthroscopy tower RPC. November 2007 –Feb 2008
16. Member, Legacy project task force. November 2007 –2008.
17. Member, Library committee, St. Paul's hospital. November 2007-
18. Physician leader surgical outpatients, St. Paul's Hospital July 2011- August 2017.
19. Expert witness and lay witness constitutional challenge to access to care, Supreme Court of British Columbia, Evidence given 5th July 2018.
20. Partner, Footbridge Center for Integrated Orthopaedic Care. A collaborative care model with St. Paul's hospital and Vancouver Coastal July 2016 –

(b) *Other service, including dates*

1. Head, Department of Orthopaedics, St. Vincent's Hospital, July 2000-March 2004
2. Physician Leader, Ambulatory Care, Providence Health Care, November 2001-July 2006.
3. Director, Foot and Ankle Program, Providence Health Care, 2001 to present.
4. Physician Leader, 3North Surgical Clinic, Providence Health Care, 2002 to 2006.
5. Outpatient redesign committee, 2006 to 2008.
6. Library committee 2007 to 2014.
7. Mission team member, St. Vincent's hospital, 2001-2003.
8. Director of Orthopaedic Research St. Paul's hospital July 2008 –
9. Deputy leader, Department of Orthopaedics, St. Paul's hospital, COVID crisis March 2020-

## 11. SERVICE TO THE COMMUNITY

(a) *Memberships on scholarly societies, including offices held and dates*

(b) *Memberships on other societies, including offices held and dates*

1. Member, Scottish Paediatric Surgical Society, 1986-1988.
2. Member, British Medical Association, 1986-present.
3. Member, American Academy of Orthopaedic Surgeons, 1990-present.
4. Member, Canadian Medical Association, 1990-present.
5. Member, Canadian Orthopaedic Association, 1991-present.
6. Orthopaedic Representative, Professional Association of Interns and Residents of British Columbia, 1992-1993.
6. Member, Canadian Trauma Association, 1992-1994.
7. Member, British Columbia Medical Association 1995-present.
8. Member, Society of Specialists of BC, 1998-present.
9. Member, American Orthopedic Foot and Ankle Society, 1998-present.

10. Member, British Columbia Orthopaedic Association, 1998-present.
11. Member, Vancouver Medical Association, 1998-present.
12. Member, Canadian Orthopaedic Foot and Ankle Society, 2001-present.
14. Member, Arthroscopy Association of North America, May 2003- present.
15. Member GRECMIP October 2016 -
16. Member Dewar Society 2016-
17. Member British Columbia Orthopaedic association executive (Vancouver coastal representative) 2014-2017
18. British Columbia Orthopaedic Association President May 2017-
19. Expert witness and lay witness constitutional challenge to access to care, Supreme Court of British Columbia, Evidence given 5th July 2018.

(c) *Memberships on scholarly committees, including offices held and dates*

1. Chairman, Aberdeen University Blues Committee, 1985.
2. Chairman of Undergraduate Academic Discipline Committee, School of Kinesiology, 1989-1990.

(d) *Memberships on other committees, including offices held and dates*

1. Member, Hip Hip Hooray Vancouver local disbursement committee, July 2001-2006
2. Physician Representative, St. Vincent's hospital Mission team, February 2002-2004
3. BC Representative, Canadian Orthopaedic Association Board, July 2002-2005
4. Member, International Committee, American Orthopaedic Foot and Ankle Society, May 2002-2003
5. Member, Canadian Orthopaedic Association Committee on Professional Development, July 2002-2006
6. Member, Arthroscopy Association of North America Education Committee, July 2003 to 2006
7. Member, Arthroscopy Association of North America learning center Committee July 2004 to 2006
8. Member, Program Committee of Canadian Orthopaedic Association, 2004.
9. Research Committee: American Orthopaedic Foot and Ankle Society. 2006.
10. Member, Education Committee, American Orthopaedic Foot and Ankle Society, 2007- present
11. Founding Member, Canadian Orthopaedic Foot and Ankle Society, June 2002.
12. Secretary, Canadian Orthopaedic Foot and Ankle Society, July 2002- to July 2004.
13. President, Canadian Orthopaedic Foot and Ankle Society, July 2004 to July 2006.
14. Political liaison, Canadian Orthopaedic Foot and Ankle Society, July 2007 to July 2009
15. Member, Nominating Committee, Canadian Orthopaedic Association, July 2008 – 2010
16. Research Director, Canadian Orthopaedic Foot and Ankle Society, July 2009 July 2011
17. Member at large, Canadian Orthopaedic Foot and Ankle Society executive, July 2011-June 2015
18. Member, Exchange Fellowship Committee, Canadian Orthopaedic Association, July 2010-
19. Member, AOFAS education committee, July 2008 – July 2012.
20. Member, AOFAS research committee, July 2013-to present.
21. Program Committee Foot and ankle representative, Canadian Orthopaedic Association Meeting, Vancouver BC June 2015.
22. Member of the Board, Canadian Orthopaedic Association. BC regional representative. June 2017-
23. Communications Committee Chair, Canadian Orthopaedic Association. June 2016-
24. Member, practice management committee, Canadian Orthopaedic association, June 2017-
25. Member, editorial board Foot and Ankle International 2017-

(e) *Editorships (list journal and dates)*

1. Guest editor, foot and ankle clinics, 2006
2. Guest editor, foot and ankle clinics, 2012
3. Editorial board, Techniques in Foot and Ankle Surgery; 2013-
4. Editorial board, Foot and Ankle International, 2015-

5. Editor in chief: Canadian Orthopaedic Association Bulletin: June 2016-

(f) *Reviewer (journal, agency, etc. including dates)*

1. Reviewer Physicians services incorporated foundation, March 2004 and March 2010.
2. Clinical Orthopaedics and Related Research, June 2003 to present.
3. Foot and Ankle International, 2004 to present
4. Canadian Journal of Surgery, 2000 to present
5. Foot and ankle clinics, 2006 to present
6. Journal of Bone and Joint Surgery ((British), now Bone and Joint Journal, July 2007 to present
7. Journal of Bone and Joint Surgery (American), July 2010 to present
8. Journal of Bone and Joint Research July 2011 to present
9. Knee Surgery, Sports Traumatology and Arthroscopy, August 2012 to present
10. Techniques in foot and ankle. August 2012 to present
11. British Medical Journal 2016-

(g) *External examiner (indicate universities and dates)*

(h) *Consultant (indicate organization and dates)*

1. Consultant, Western Clinical Devices, research group for the development of Shoulder Translation Device, January 1995-July 1996.
2. Advisor, Western Clinical Devices, for development of Tourniquets, 2002 to 2005.
3. Advisor, Mentice Incorporated, for development of Computer Simulation of Ankle Arthroscopy, 2002 to 2004.
4. Clinical Investigator, affiliated with BioClin Health Research, Richmond, BC, October 2001-2002.
2. Consultant, Zimmer, Total Ankle Arthroplasty design. 2005 to 2009.
3. Consultant, ABI, Ankle implant. 2004 to 2008.
4. Principal Investigator, Biomimetic Inc. with regards to bone graft substitutes, Foot and Ankle applications. 2005 to 2013.
5. Consultant, Depuy, Total Ankle Arthroplasty outcomes. 2005-2006.
6. Consultant Linvatec – arthroscopic foot and ankle surgery. July 2006 –2011
7. Consultant Small Bone Innovations (STAR total ankle) March 2009 –2011
8. Consultant ACUMED. Development of implants for foot and ankle surgery. August 2012 –
9. Consultant Wright medical, April 2013-
10. Consultant Cartiva Inc, April 2013-July 2018.
11. Consultant Zimmer, June 2016-
12. Consultant Ferring medical, July 2016-July 2018.
13. Consultant Bioventus July 2017-
14. Consultant Axolotl May 2018-
15. Consultant Stryker June 2018-

(i) *Other service to the community*

1. Various posts, Aberdeen University Athletic Association, 1982-1985
2. Team captain, Treasurer and Vice president, Aberdeen University ski club, 1981-1984
3. Universities representative to the Scottish National Ski Council, 1982-1984
4. Physician Chair, Hip Hip Hooray Charity Walk, 2004 to 2006.
5. First Aid Ski Patrol Member, Grouse Mountain, 2005 and 2006.
5. Beaver Leader, 21<sup>st</sup> St. Mary's Scouts, 2005 to 2007.

6. Cub Leader 21<sup>st</sup> St. Mary's Scouts, 2007 to 2010.
7. Team Manager, Dunbar Junior Soccer League, 2005 to 2006.
8. Blackcomb Volunteer ski patrol, 2009 until present.
9. Donations for foot and ankle research
  - a. 2003 53,000 dollars research assistant salary
  - b. 2004 21,000 dollars research assistant salary
  - c. 2010 20,000 dollars via SPH foundation
  - d. 2011 10,000 dollars via SPH foundation
  - e. 2012 22,000 dollars via SPH foundation
  - f. 2013 21,000 dollars via SPH foundation
  - g. 2014 21,000 dollars via SPH foundation
  - h. 2015 1,000 dollars via the SPH foundation
  - i. 2016 10,000 dollars to the Bret Kilb memorial fund
  - j. 2016 12,000 dollars to SPH research office via the SPH foundation
  - k. 2017 24,000 dollars to SPH research office via SPH foundation.
  - l.
10. Providence in the park: Volunteer 2012. Brought family down and handed out clothes to homeless people.
11. Build a playground: Volunteer at the AAOS meeting 2013: Assisted in a playground build in South Chicago, March 2013.
12. Secretary to the 2290 British Columbia Regiment Army Cadets Parent Sponsor Committee, Beatty Street Armory, 2014-2016
13. Chairman 2290 British Columbia Regiment Army Cadets Sponsorship committee, Beatty Street Armory Sept 2016-2018.

## **12. AWARDS AND DISTINCTIONS**

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

1. Graduate Scholarship Award, Simon Fraser University, 1989.
2. Graduate Scholarship Award, Simon Fraser University, 1990.
3. Terry Fox Scholarship Award, Simon Fraser University, 1990.
4. 1st Prize for Research Project, University of British Columbia Orthopaedic Update, July 1993.
5. Basic Science Prize, Canadian Orthopaedic Residents Association Meeting, Kingston, ON, May 1994.
6. 1st Prize for Research Project, University of British Columbia Orthopaedic Update, July 1994.
7. 1st Prize for Research Project, University of British Columbia Orthopaedic Update, July 1995.
8. MCh Thesis accepted with Commendation, Aberdeen University, May 1997.
14. North American Traveling Fellowship, October- November 1997.
15. Clinical Prize, Providence Health Research Day, March 12, 2004.
16. 3M award for quality improvement in health care, May 2004.
17. Clinical Prize Winner Supervisor, University of British Columbia Orthopaedic Update, December 2004.
18. Second Prize for Posters, American Orthopaedic Foot and Ankle Society (AOFAS) Annual Meeting, July 2006.
19. American British Canadian (ABC) Traveling Fellow, April- May 2007.
20. Roger Mann Award co-author. AOFAS best clinical paper. Annual meeting Toronto, July 2007.
21. Roger Mann Award nomination senior author. AOFAS Summer meeting AOFAS 2008.
22. Best poster award in foot and ankle: AAOS meeting, Las Vegas, March 2009.
23. Second best poster – AOFAS meeting Keystone CO July 2011.

24. University of British Columbia Faculty of Medicine Outstanding Academic Performance Award July 2011.
25. Roger Mann award co-author. AOFAS best clinical paper. Annual meeting San Diego June 2012.
26. Achievement award: American Academy of Orthopaedic Surgeons: Given for support of education at the annual meeting. March 2013.
27. Takakura Prize winner and first author. International Federation of Foot and Ankle Societies (IFFAS) Meeting. September 20<sup>th</sup>, 2014. Awarded to best clinical paper at the tri annual meeting of IFFAS. This is the premier award for international research in foot and ankle surgery.
28. Roger Mann award co-author nominee: AOFAS meeting, Chicago, September 2014.
29. Achievement award: American Academy of Orthopaedic Surgeons: Given for support of education at the annual meeting. March 2015.
30. Roger Mann award co-author nominee: AOFAS meeting, Long Beach CA (separate paper than below).
31. Roger Mann award co-author. AOFAS best clinical paper. Annual meeting Long Beach CA July 2015.
32. Achievement award: American Academy of Orthopaedic Surgeons: Given for support of education at the annual meeting. March 2016.
33. Citizenship award, British Columbia Regiment. 2016.
34. Best presentation award, Dewar Society Meeting, Halifax NS Sept 10<sup>th</sup>, 2016.
35. Achievement award: American Academy of Orthopaedic Surgeons: Given for support of education at the annual meeting. March 2017.
36. Full FDA audit of research office April 2017 for Augment 2009 study.
37. Supervisor of resident writing Roger Mann Award finalist paper (Achilles tendon) July 2017. Separate paper than below.
38. Roger Mann award co-author. AOFAS best clinical paper. Annual Meeting Seattle Washington July 2017.
39. Supervisor resident research award – UBC 2018. A Cheema.
40. Supervisor resident research award- UBC 2018.
41. Outstanding academic performance award UBC 2020.
42. Presidential award COA June 2020.

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

1. 3M Award for Quality Improvement in Health care, Canadian College of Health Care Executives. 2004.
2. J.F. McCreary Prize for Inter professional teamwork 2004: Honourable Mention.

(d) *Other Awards*

**13. OTHER RELEVANT INFORMATION (Maximum One Page)**

*Other Interests:*

- Music: Grade 6 French horn
- Boy Scout and patrol leader: 1972 to 1975
- Member of school Orchestra and Brass group 1975 to 1980
- Skiing: Racing for clubs in Europe 1975-1978
- Member of British "B" squad "citaden" ski team 1978-1980
- University Ski team 1980-1985
- University full blue in skiing 1984



- Rugby: School 2nd XV
- University 2nd and 3rd XV 1980 to 1984
- Tennis: Member of Vancouver Lawn Tennis Club 1990 to present
- Golf: Member of the Royal and Ancient Golf club of St. Andrews 1990 to present.
- Mountain Bicycle Racing: Novice certificate for British Columbia and Member of the British Columbia Cycling Association 1994-2000
- Running; Completed two half marathons in 2007 and 2008, 10 K runs annually.
- Hip hop Dance: Member of competitive dance group. Awarded first place in peak invitational, May 2008.
- Hiking and camping.
- Car building: Construction of a Factory Five Cobra replica with elder son – 2010 – road license 2014.
- Skiing: Volunteer hill doctor – Blackcomb mountain 2009 until present.
- Ski racing: Participate in club races – Murren Switzerland, Inferno week. Jan 2015, Jan 2017 Jan 2018.
- Ski racing: Peak to Valley race, Whistler, team captain: 2015-2020.
- Firearms license no 12570421
- Member Mission Rod and Gun club.
- Member British Columbia Wildlife Federation.

*Contributions to the Orthopaedic Research Office and St. Paul's Hospital Foundation.*

The orthopaedic research office was started by a direct salary from my corporation. In due course these funds were paid through the department of Orthopaedics.

Under the direction of Mr. Bora, the research office has trained 100d coop students, 7 summer students, and 26 volunteer students. The research office has been a successful training ground for research coordinators and students with an introduction to research methodology as of July 2014.

**THE UNIVERSITY OF BRITISH COLUMBIA***Publications Record*

SURNAME: Younger

FIRST NAME: Alastair

Initials: ASE

MIDDLE NAME(S):

Stephen E.

Date: May 2014

**2. REFEREED PUBLICATIONS***Notes:*

Supervised (trainee) surgeons are marked with an underline. Supervising surgeons are in italics. As most responsible author I mentored the surgeon trainee through the process of data acquisition, ethics, write up, paper submission, reviewers' comments and final submission. For any trainee who went through this process I made them first author to encourage their careers. Contributions are added in italics for contributing authorship papers.

*Trainees are underlined: An Asterix marks the five most significant contributions.*

Compilation of Impact factors for Orthopaedic Journals – 2012.

Listed is the top ranked orthopaedic journal (IF 3.9). The remainder are either journals I have published in (in bold) or likely to publish in in the future. I also have published in the British Journal of Surgery so it is also listed. Please note that by virtue of the wide variety of orthopaedic topics published in orthopaedic journals, the impact factors tend to be much lower than specialized journals. For example, the most prestigious orthopaedic journal (Journal of Bone and Joint Surgery) has an impact factor of 3.27.

Rank	Journal	Impact factor
(general surgery)	Brit. J. Surg	9.33
1	Osteoarthr Cartilage	3.9
<b>4</b>	<b>JBJS Am</b>	<b>3.27</b>
6	Arthroscopy	3.02
<b>8</b>	<b>JBJS Br / BJJ</b>	<b>2.83</b>
9	J Orthop Research	2.81
<b>12</b>	<b>J Am Ac Orthop Surg</b>	<b>2.66</b>
<b>13</b>	<b>Clin Orthop Relat R</b>	<b>2.53</b>
<b>14</b>	<b>J Arthroplasty</b>	<b>2.38</b>
<b>23</b>	<b>Injury</b>	<b>1.98</b>
<b>33</b>	<b>Foot Ankle Int</b>	<b>1.95</b>

*(a) Journals*

1. **Younger, AS**; *Gunn, AA*: A more realistic way of practising surgical knots using a surgical glove. Br J Surg. **76**: 347, 1989. (impact factor 9.33) FA.
2. *Siriwardena, AK*; *Small, PK*; **Younger, AS**; *Wallace, IW*: Transurethral resection of the prostate without routine antibiotic prophylaxis: screening for complications. J R Coll Surg Edinb. **35**: 95-97, 1990. (impact factor 0.714) CA. *Assisted in data management and write up.*
3. **Younger, AS**; *Curran, P*; *McQueen, MM*: Backslabs and plaster casts: which will best accommodate increasing intracompartmental pressures? Injury. **21**: 179-181, 1990. (impact

factor 2.33) FA

4. **Younger, AS; Tredwell, SJ; Mackenzie, WG:** The relationship of angulation to translation in fracture deformities. *J Bone Joint Surg Am.* **77:** 488-489, 1995. (impact factor 3.27) FA
5. **Younger, AS; Tredwell, SJ; Mackenzie, WG:** Factors affecting fracture position at cast removal after pediatric forearm fracture. *J Pediatr Orthop.* **17:** 332-336, 1997. (impact factor 1.15) FA
6. **Younger, AS; Tredwell, SJ; Mackenzie, WG; Orr, JD; King, PM; Tennant, W:** Accurate prediction of outcome after pediatric forearm fracture. *J Pediatr Orthop.* **14:** 200-206, 1994. (impact factor 1.15) FA
7. **Younger, AS; Mackenzie, WG; Morrison, JB:** Femoral forces during limb lengthening in children. *Clin Orthop Relat Res.* 55-63, 1994. (impact factor 2.53) FA
8. **Younger, AS; Beauchamp, CP; Duncan, CP; McGraw, RW:** Position of the knee joint after total joint arthroplasty. *J Arthroplasty.* **10:** 53-61, 1995. (impact factor 2.29) FA
9. **Younger, AS; Duncan, CP; Masri, BA; McGraw, RW:** The outcome of two-stage arthroplasty using a custom-made interval spacer to treat the infected hip. *J Arthroplasty.* **12:** 615-623, 1997. (impact factor 2.29) FA.
10. Spangehl MJ, **Younger AS, Masri BA, Duncan CP:** Diagnosis of Infection following Total Hip Arthroplasty. *J Bone Joint Surg Am* 79-A(10):1578-1588, 1997. (impact factor 3.27) FA. *Assisted in data management and write up.*
11. **Younger, AS; Claridge, RJ:** The role of diagnostic block in the management of Morton's neuroma. *Can J Surg.* **41:** 127-130, 1998. FA
12. **Younger, AS; Duncan, CP; Masri, BA:** Treatment of infection associated with segmental bone loss in the proximal part of the femur in two stages with use of an antibiotic-loaded interval prosthesis. *J Bone Joint Surg Am.* **80:** 60-69, 1998. (impact factor 3.27) FA
13. **Younger, AS; Duncan, CP; Masri, BA:** Surgical exposures in revision total knee arthroplasty. *J Am Acad Orthop Surg.* **6:** 55-64, 1998. (impact factor 2.66) FA
14. Schai, PA; Scott, RD; **Younger, AS:** Total knee arthroplasty in Paget's disease: technical problems and results. *Orthopedics.* **22:** 21-25, 1999. (impact factor 2.66) CA. *Assisted in data management and write up.*
15. Van Bergeyck, AB; **Younger, AS;** Carson, B: CT analysis of hindfoot alignment in chronic lateral ankle instability. *Foot Ankle Int.* **23:** 37-42, 2002. (Impact factor 1.101) SA
16. Chi, TD; Davitt, J; **Younger, AS;** Holt, S; *Sangeorzan, BJ:* Intra- and inter-observer reliability of the distal metatarsal articular angle in adult hallux valgus. *Foot Ankle Int.* **23:** 722-726, 2002. (Impact factor 1.101) CA . *Read radiographs as a blinded reviewer.*
17. **Younger AS,** Wing KJ: Stage 2 Medial Column Fusion – The Navicular Cuneiform Fusion. *Techniques in Foot and Ankle Surgery* 2(2): 74-83, 2003. FA

18. Kalla, TP; **Younger, AS**; McEwen, JA; Inkpen, K: Survey of tourniquet use in podiatric surgery. *J Foot Ankle Surg.* **42**: 68-76, 2003. (impact factor 0.516) SA
19. Saltzman, CL; Amendola, A; Anderson, R; Coetzee, JC; Gall, RJ; Haddad, SL; Herbst, S; Lian, G; Sanders, RW; Scioli, M; **Younger, AS**: Surgeon training and complications in total ankle arthroplasty. *Foot Ankle Int.* **24**: 514-518, 2003. (Impact factor 1.101) CA. *submitted cases and assisted in compilation of data.*
20. **Younger, AS**; Hansen, ST, Jr.: Adult cavovarus foot. *J Am Acad Orthop Surg.* **13**: 302-315, 2005. (impact factor 2.66) FA
21. **Younger, AS**; Kalla, TP; McEwen, JA; Inkpen, K: Survey of tourniquet use in orthopaedic foot and ankle surgery. *Foot Ankle Int.* **26**: 208-217, 2005. (Impact factor 1.101) FA
22. **Younger, AS**; McEwen, JA; Inkpen, K: Wide contoured thigh cuffs and automated limb occlusion measurement allow lower tourniquet pressures. *Clin Orthop Relat Res.* 286-293, 2004. (impact factor 2.53) FA
23. **Younger AS**: Trans Metatarsal Amputation using Calcium Sulfate Antibiotic-loaded Pellets in Diabetic Patients. *Techniques in Foot and Ankle Surgery.* 3(3):177-185, Sept 2004. FA
24. **Younger, AS**; Sawatzky, B; Dryden, P: Radiographic assessment of adult flatfoot. *Foot Ankle Int.* **26**: 820-825, 2005. (Impact factor 1.101) FA
25. **Younger, AS**: Customized or prefabricated foot orthoses improved function only in the short term in patients with plantar fasciitis. *J Bone Joint Surg Am.* **89**: 458, 2007. (impact factor 3.27) FA
26. **Younger AS**: Shockwave Treatment for Foot and Ankle Conditions. *Techniques in Foot and Ankle*: **5(1)**:60-65. March 2006. FA
27. Calvert, E; **Younger, AS**; Penner, M; Wing, K: Trans Metatarsal Amputation. *Techniques in foot and ankle.* **6(3)**:140-146, Sept 2007. SA
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*In this study we demonstrated the disability of patients undergoing foot reconstruction. This paper has been quoted many times since and has allowed us to advocate for foot and ankle patients at a hospital, national and international level. It was awarded the Roger Mann award when first presented at the American Orthopaedic Foot and Ankle Society, the top award for research internationally for foot and ankle. This was a first for a Canadian study group. The research idea was conceived by Dr Glazebrook and myself in discussion at the AOFAS meeting in 2006. I set up the database in Vancouver for this multicentre trial and managed the Vancouver data.*

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Author links open overlay panel [Mark Glazebrook](#)<sup>a</sup> [Bernard N. Burgesson](#)<sup>b</sup> [Alastair S. Younger](#)<sup>c</sup> [Timothy R. Daniels](#)<sup>d</sup>

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3. Arthroscopy association of North America. Questions for the board examination preparation. Author of 7 questions. 2013 to 2014.

### 3. **BOOKS**

(a) *Authored*

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#### 4. **PATENTS**

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#### 5. **SPECIAL COPYRIGHTS**

#### 6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

**Design consultant – Ankle fracture system. Royalty agreement. 2017 -**  
**Design consultant – Novel midfoot and hindfoot hemiarthroplasties. Royalty agreement. 2017 –**  
**Design consultant – Forefoot surgery systems. Royalty agreement 2017-**  
**Design consultant – Fibular nail. Consultancy agreement 2014 -**

(Names and details withheld as part of confidentiality agreements).

## **7. OTHER WORKS**

Editor in chief:

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2. **Younger A:** Canadian Orthopaedic Association bulletin #115 Winter/Spring 2016/2017 Editor in chief.
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## **8. WORK SUBMITTED (including publisher and date of submission)**

## **9. WORK IN PROGRESS (including degree of completion).**