

THE UNIVERSITY OF BRITISH COLUMBIA
Curriculum Vitae for Faculty Members

Date: August 2017

Initials: APC

1. **SURNAME:** Cooper

FIRST NAME: Anthony
MIDDLE NAME(S): Philip

2. **DEPARTMENT/SCHOOL:** Orthopaedics

3. **FACULTY:** Medicine

4. **PRESENT RANK:** Clinical Assistant Professor

SINCE: November 2014

5. **POST-SECONDARY EDUCATION**

(a) Post-Secondary Education

| University or Institution | Degree | Subject Area | Dates |
|----------------------------------|---------------|--------------------------------------|--------------|
| University of Leeds | BSc(Hons) | Microbiology in relation to medicine | July 2001 |
| University of Leeds | MBChB | Medicine | July 2003 |

(b) Continuing Education / Training (Postgraduate)

| University or Institution | Rank or Title | Dates |
|--|--|-------------------------|
| University of British Columbia | Clinical Fellow, Department of Paediatric Orthopaedics | August 2013 – July 2014 |
| Limb Lengthening and Reconstruction Society Traveling Fellowship | Travelling Fellow | June 2016 – July 2016 |
| AAOS/OREF/ORS Clinician Scholar Career Development Program | Program Participant | September 15–17, 2016 |

(c) Special Professional Qualifications

| | | |
|--|--|----------------|
| Intercollegiate | MRCS Part 1 | September 2005 |
| Intercollegiate | MRCS Part 2 | September 2005 |
| Intercollegiate | MRCS Part 3 | March 2006 |
| The Royal College of Surgeons of Edinburgh | Certificate of Completion of Basic Surgical Training | January 2007 |
| The Royal College of Surgeons of Edinburgh | Fellowship of the Royal College of Surgeons (FRCS) Trauma and Orthopaedics | November 2012 |
| The Royal College of Physicians and Surgeons of Canada | Fellowship of the Royal College of Surgeons (FRCS) | June 2017 |

6. EMPLOYMENT RECORD

(a) Prior to coming to UBC

| University, Company, Organization | Rank or Title | Dates |
|--|--|---------------------|
| Leeds General Infirmary | Pre-Registration House Officer General Surgery/Professorial Surgical Unit | Aug 2003 - Nov 2003 |
| Leeds General Infirmary | Pre-Registration House Officer Vascular Surgery | Nov 2003 - Feb 2004 |
| St James' University Hospital Leeds | Pre-Registration House Officer Infectious Diseases | Feb 2004 - May 2004 |
| St James' University Hospital Leeds | Pre-Registration House Officer Respiratory Medicine | May 2004 - Aug 2004 |
| St James' University Hospital Leeds | Senior House Officer Accident & Emergency | Aug 2004 - Feb 2005 |
| Pinderfields General Hospital | Senior House Officer Orthopaedics | Feb 2005 - Aug 2005 |
| Leeds General Infirmary | Senior House Officer Neurosurgery | Aug 2005 - Feb 2006 |
| Pinderfields General Hospital | Senior House Officer General Surgery | Feb 2006 - Aug 2006 |
| Leeds Teaching Hospitals NHS Trust | Senior House Officer Orthopaedics | Aug 2006 - Aug 2007 |
| Northern General Hospital Sheffield | ST2 Orthopaedics | Aug 2007 - Aug 2008 |
| Northern General Hospital Sheffield | ST3 Arthroplasty | Aug 2008 - Aug 2009 |
| Northern General Hospital Sheffield | ST3 Trauma | Feb 2009 - Aug 2009 |
| Doncaster Royal Infirmary | ST4 Soft Tissue Knee | Aug 2009 - Feb 2010 |
| Doncaster Royal Infirmary | ST4 Spinal Surgery | Feb 2010 - Aug 2010 |
| Sheffield Children's Hospital | ST5 Paediatrics | Aug 2010 - Feb 2011 |
| Chesterfield Royal Hospital | ST5 Hands/Upper limb | Feb 2011 - Aug 2011 |
| Northern General Hospital Sheffield | ST6 Foot & Ankle | Aug 2011 - Feb 2012 |
| Northern General Hospital Sheffield | ST6 Upper Limb | Feb 2012 - Aug 2012 |
| Doncaster Royal Infirmary | ST7 Arthroplasty | Aug 2012 - Feb 2013 |
| Northern General Hospital Sheffield | ST7 Trauma/Reconstruction | Feb 2013 - Aug 2013 |
| BC Children's Hospital | Orthopaedic Fellow | Jul 2013 - Jul 2014 |

(b) At UBC

| University, Company, Organization | Rank or Title | Dates |
|---|--------------------------------|----------------------|
| Department of Orthopaedic Surgery, BC Children's Hospital | Paediatric Orthopaedic Surgeon | Sept 2014 - Present |
| Department of Orthopaedics, University of British Columbia | Clinical Instructor | Sept 2014 - Nov 2014 |
| Department of Orthopaedics, University of British Columbia | Clinical Assistant Professor | Nov 2014 - Present |

7. LEAVES OF ABSENCE

none

8. TEACHING

(a) Areas of special interest and accomplishments

I am actively involved in teaching medical, nursing, occupational therapy and physiotherapy students as an integrated part of my clinical and research practice. I am also involved in orthopaedic resident teaching.

(b) Courses Taught at UBC

| Year | Course Number or Description | Scheduled Hours | Class Size | Contact Hours | Hours Taught | | | |
|-------|---|-----------------|------------|---------------|--------------|----------|------|-------|
| | | | | | Lectures | Tutorial | Labs | Other |
| 2014W | INDE 420 Musculoskeletal Clinical Skills Tutorial "Upper limb" | 3.5 | 6 | | | | | |
| 2015W | SPPH 517 Clinical Research methods for Surgical Procedures: "Surgical Research In First Year of Practice" | 3 | 3 | | | | | |
| 2015W | INDE 420 Musculoskeletal Clinical Skills Tutorial "Knee, Foot & Ankle" | 4.5 | 6 | | | | | |

Clinical Teaching

| Description | Duration | Number of Students | Year | Total Hours | Student Level |
|--|-----------|--------------------|-----------|-------------|-----------------------------------|
| Anatomy demonstrating in the dissecting room | 3h | 12 | 2006 | 3 | Pre-clinical students |
| Coordinated ward and lecture based teaching in orthopaedics | 11 months | 20 | 2006-2007 | 24 | Leeds University Medical students |
| Faculty member, Leeds Advanced Trauma Life Support provider course | 16h | 20 | 2012 | 16 | Medical doctors |
| Higher Surgical Training Convenor South Yorkshire HST | 6 months | 25 | 2013 | 60 | Orthopaedic registrars |
| Bone & Soft Tissue Tumors | 1h | 4 | 2014 | 1 | Resident/Fellow/ Medical Student |
| Congenital Upper Limb Abnormalities | 1h | 8 | Dec 2014 | 1 | Resident/Fellow/ Medical Student |
| Leg Length Discrepancy | 1h | 4 | Jan 2015 | 1 | Resident/Fellow/ Medical Student |
| Proximal femoral focal deficiency | 1h | 8 | Feb 2015 | 1 | Resident/Fellow/ Medical Student |
| The Skeletal Dysplasias | 1h | 3 | Apr 2015 | 1 | Resident/Fellow/ Medical Student |
| Leg Length Discrepancy | 1h | 3 | Jun 2015 | 1 | Resident/Fellow/ Medical Student |
| The Child with a Limb Deficiency | 1h | 5 | Jul 2015 | 1 | Resident/Fellow/ Medical Student |
| The Lower Extremity | 1h | 5 | Sep 2015 | 1 | Resident/Fellow/ Medical Student |
| The Child with a Limb Deficiency | 1h | 5 | Nov 2015 | 1 | Resident/Fellow/ Medical Student |
| Bone and Soft Tissue Tumors | 1h | 5 | Feb 2016 | 1 | Resident/Fellow/ Medical Student |
| Leg Length Discrepancy | 1h | 6 | May 2016 | 1 | Resident/Fellow/ Medical Student |
| The Role of the Orthopaedic Surgeon in Diagnosing Child Abuse | 1h | 7 | Aug 2016 | 1 | Resident/Fellow/ Medical Student |

| Description | Duration | Number of Students | Year | Total Hours | Student Level |
|-----------------------------|-----------------|---------------------------|-------------|--------------------|-------------------------------------|
| Leg Length Discrepancy | 1h | 6 | Sep 2016 | 1 | Resident/Fellow/ Medical Student |
| Bone and Soft Tissue Tumors | 1h | 7 | Nov 2016 | 1 | Resident/Fellow/ Medical Student |
| Leg Length Discrepancy | 1h | 6 | Feb 2017 | 1 | Resident/Fellow/ Medical Student |
| Bone and Soft Tissue Tumors | 1h | 4 | Apr 2017 | 1 | Resident/Fellow/ Medical Student |
| Leg Length Discrepancy | 1h | 5 | Jun 2017 | 1 | Resident/Fellow/ Medical Student |

(c) *Other Teaching of Undergraduates, Graduates and Postgraduates*
Not applicable

(d) *Students Supervised*

Undergraduate Students

Medical Students Total = 20; 1 current; 19 completed
Co-op Students Total = 4; 1 current; 3 completed

Postgraduate Students

Residents Total = 39 4 current; 35 completed
Clinical Fellows Total = 17 4 current; 13 completed
PhD Students Total = 2 2 current

(e) *Continuing Education Activities*

Activities as presenter/facilitator at CME courses (UBC and non-UBC)

1. Lecture to F1 and F2 doctors on hip fractures, Chapel Allelton Hospital, Leeds, UK, November 2008.
2. Presentation to the Microbiology Department at the Northern General Hospital, Sheffield, on Joint infections, December 2008.
3. Osteogenesis Imperfecta. UBC Department of Orthopaedics Surgical Grand Rounds, Vancouver General Hospital, November 6, 2013.
4. Perthes, SCFE, Septic Hip, OM, and Transient Synovitis. Resident Half-Day, UBC, June 19, 2014.
5. Invited speaker, Hip Preservation Course Sheffield, July 7-9, 2014.
6. The hip and spine in cerebral palsy. UBC Department of Orthopaedics Surgical Grand Rounds, Vancouver General Hospital, November 19, 2014.
7. Common emergencies in pediatric orthopedics. Presenter and delegate at Tucson Emergency Medicine CME Cycling Conference, Tucson, AZ, April 15-18, 2015.
8. Deformities of the Lower Extremity; Rotation, Length & Alignment. Includes Lower Limb Deficiencies. Facilitator, Resident Half-Day, VGH, May 28, 2015.

9. SCFE. Canadian Pediatric Orthopaedic Group Rounds, April 21, 2016.
10. Perthes, SCFE, Septic Hip, OM, and Transient Synovitis. Resident Half-Day, Vancouver General Hospital, May 26, 2016.
11. Deformity Correction using Taylor Spatial Frames. Workshop, Balaji Institute of Surgery Research and Rehabilitation for the Disabled (BIRRD) Trust Hospital, Tirupati, India, August 9-11, 2016.
12. Musculoskeletal Infections and their Sequelae. Canadian Pediatric Orthopaedic Group Rounds, Oct 4, 2016.

CME Activities as an attendee

| University or Institution | Type | Detail |
|--|--|-------------------------------|
| Royal College of Surgeons of England | Advanced Trauma Life Support Course | November 2004 Harrogate, UK |
| Leeds Institute for Minimally Invasive Therapy | Basic Surgical Skills Course | February 2005 Leeds, UK |
| International Foot and Ankle Congress | Conference | May 2005 Toronto, Canada |
| Army Medical Services Training Centre | Head Injury Workshop | October 2005 Strensall, UK |
| Royal College of Surgeons of Edinburgh | AO Principles in Operative Fracture Management Course | March 2007 Edinburgh, UK |
| Leeds General Infirmary | Spine Safe Course | May 2007 Leeds, UK |
| Leeds General Infirmary | Current concepts in External Fixation in trauma course | April 2008 Leeds, UK |
| University of Salford | Basic Knee Arthroplasty Course | June 2008 Salford, UK |
| University of Leeds | Orthopaedic Biomechanics Course | October 2008 Leeds, UK |
| Sheffield Deanery | Clinical Governance Course | January 2009 Sheffield, UK |
| British Hip Society | Annual Meeting | March 2009 Manchester, UK |
| Royal National Orthopaedic Hospital Stanmore | Basic Knee Arthroscopy Course | December 2009 London, UK |
| Sheffield Deanery | Research Methodologies Course | December 2009 Sheffield, UK |
| Smith & Nephew York | Taylor Spatial Frame Course | January 2010 York, UK |
| Royal College of Surgeons of England | Advanced Trauma Life Support Course | March 2010 Harrogate, UK |
| DePuy | Leeds Practical Hip & Knee Course | May 2010 Leeds, UK |
| Sheffield Children's Hospital | Elastic Stable Intramedullary Nailing Course | June 2010 Sheffield, UK |
| Combined Orthopaedic Associations (COMOC) | Secretariat | September 2010 Glasgow, UK |
| Royal College of Surgeons of England | Advanced Trauma Life Support Instructor Course | December 2010 Harrogate, UK |
| British Limb Reconstruction Society/British Society for Children's Orthopaedic Surgery | Annual Congress | January 2011 Sheffield, UK |
| European Paediatric Orthopaedic Society | Annual Meeting | April 2011 Basel, Switzerland |
| Exeter Hip Symposium | Symposium | April 2011 Exeter, UK |
| Royal College of Surgeons of England | Conservative Hip Surgery Course | June 2011 UK |

| University or Institution | Type | Detail |
|---|---|-------------------------------------|
| Stryker | Hip Fracture Course | June 2011 Selzach, Switzerland |
| University of Edinburgh | Edinburgh Trauma Course | August 2011 Edinburgh, UK |
| Sheffield Deanery | Training the Trainers Course | September 2011 Sheffield, UK |
| Royal College of Surgeons of England | Global Surgical Frontiers Conference | January 2012 London, UK |
| British Orthopaedic Association | Instructional Course | January 2012 Manchester, UK |
| British Society for Children's Orthopaedic Surgery | Current Concepts Course | March 2012 London, UK |
| Sheffield Children's Hospital | Gait analysis course | April 2012 Sheffield, UK |
| Northern General Hospital Sheffield | Registrar debate, the case for Bone Tendon Bone ACL reconstruction | May 2012 Sheffield, UK |
| The Royal College of Surgeons of England | Early Intervention in hip surgery course | June 2012 London, UK |
| British Orthopaedic Association | Annual Congress | September 2012 Manchester, UK |
| Chesterfield Royal Hospital | Chesterfield FRCS revision course | September 2012 Chesterfield, UK |
| Smith & Nephew York | Hip arthroscopy course | November 2012 York, UK |
| AO | AO Paediatric Trauma course | February 2013 Nottingham, UK |
| British Hip Society | Annual Meeting | February 2013 Bristol, UK |
| South Yorkshire Deanery | Medical Ethics & Law course | March 2013 Sheffield, UK |
| Royal College of Surgeons of England | Advanced Trauma Life Support 9th Edition Launch | March 2013 Harrogate, UK |
| South Yorkshire Deanery | Deanery Management Course | May 2013 Leeds, UK |
| European Paediatric Orthopaedic Society | Annual Meeting | April 2013 Athens, Greece |
| International Pediatric Orthopaedic Symposium | Symposium | December 2013 Orlando, Florida |
| Nemours/Alfred I. duPont Hospital for Children | Hip ultrasound course | February 2014 Wilmington, Delaware |
| Smith & Nephew | Advanced Taylor Spatial Frame Course | June 2014 Memphis, Tennessee |
| Sheffield Centre for Hip Joint Preservation | Hip Preservation Course | July 2014 Sheffield, UK |
| Nemours/Alfred I. duPont Hospital for Children | Baltimore Limb Deformity Course and Observership (funded by STELLA Scholarship) | September 2014 Wilmington, Delaware |
| Hospital for Sick Kids | To observe Simon Kelley for Taylor Spatial Frames | November 2014 Toronto, Canada |
| International Pediatric Orthopaedic Symposium | Symposium | December 2014 Orlando, Florida |
| Department of Pediatric Orthopaedic Surgery, UBC | Stephen J Tredwell Visiting Professor Day | November 2014 Vancouver, BC |
| The Plastic Surgery Foundation | Patient-Reported Outcomes in Surgery Conference | January 2015 Washington, DC |
| International Society for Quality of Life Research | ISOQOL Annual Conference | October 2015 Vancouver, BC |
| International Limb Lengthening and Reconstruction Society | ILLRS Annual Congress | November 2015 Miami, FL |
| Department of Pediatric Orthopaedic Surgery, UBC | Stephen J Tredwell Visiting Professor Day | November 2015 Vancouver, BC |

| University or Institution | Type | Detail |
|--|---|---------------------------------------|
| Saint Louis University School of Medicine and Washington University School of Medicine | St. Louis Hip Skills Course: Hip Arthroscopy and Preservation Procedures | January 2016 St. Louis, MO |
| Department of Orthopaedics, University of British Columbia | BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference | May 2016 Vancouver, BC |
| Department of Pediatric Orthopaedic Surgery, UBC | Stephen J Tredwell Visiting Professor Day | October 2016 Vancouver, BC |
| Office of Pediatric Surgical Evaluation and Innovation | STELLA Scholarship Presentations | September 2016 Vancouver, BC |
| BC Children's Hospital Research Institute | Evidence to Innovation: Research Day | November 2016 Vancouver, BC |
| The Paley Foundation | Congenital Deficiencies Live Surgery Tutorial | January 2017 West Palm Beach, Florida |
| AO North America, Inc. | Surgical Preservation of the Hip Educational Activity (Observation Bio Skills Lab using Human Anatomical Specimens) | January 2017 Marco Island, Florida |
| Department of Orthopaedics, University of British Columbia | BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference | May 2017 Vancouver, BC |

(f) Educational Leadership

Evidence to Innovation (E2i) – BC Children's Hospital Research Institute Jun 2015 – present
 Theme Co-Lead: Clinical Practice, Outcomes & Innovation

(g) Other Teaching & Learning Activities

1. Case presentation, Stephen J. Tredwell Visiting Professor Day, BC Children's Hospital, November 2013
2. Weekly Indication Rounds, BC Children's Hospital, Sept 2014 - Present
3. Weekly Outcome Rounds, BC Children's Hospital, Sept 2014 - Present
4. Monthly Academic Rounds, Office of Pediatric Surgical Evaluation and Innovation (OPSEI), Sept 2014 - Present
5. ISOQOL Annual Conference workshop: Using innovative methods to inform instrument development and understand patient preferences: how Group Concept Mapping and other creative approaches can be used to capture the experiences and priorities of patients, Oct 2015
6. ISOQOL Annual Conference workshop: Introducing the Concept of Response Shift – an Overview of Theory & Methods, Oct 2015

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES

(a) Areas of special interest and accomplishments

My research interests range from studies involving paediatric hip, lower limbs, feet, trauma, and bone tumours. I am specifically interested in advancing research around paediatric bone health and mobility. In addition to looking at clinical outcomes, I am also interested in looking at the outcomes reported directly by the patients, or caregivers of patients, specifically their quality of life. By studying these outcomes, I am aiming to look at the effectiveness of treatments I use in clinic, and to explore ways to improve the quality of life of my patients. I also collaborate with a biomechanical engineer to generate computerised models of hip in order to imitate different deformities around hip joint.

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

| Granting Agency | Subject | CO MP | \$ Per Year | Year | Principal Investigator | Co-Investigator(s) |
|---|--|--------------|------------------------------------|-------------------|--|--|
| Clinical Research Capacity Building Award | Pediatric Orthopaedic Hip Research/Imaging Research Unit | C | 125,000 <i>(for five years)</i> | 2014-2019 | K Mulpuri | CW Reilly, D Wilson, H MacDonald, A d'Entremont, A Cooper |
| Canadian Institutes of Health Research (CIHR) | Simple Bone Cyst in Kids | C | 1,000 <i>per subject</i> | 09/2014 - 09/2018 | JG Wright | AS Doria, S Hopyan, J Stimec, P Babyn <i>Collaborator/Site PI: A Cooper</i> |
| Rare Disease Foundation | Effect of femoral epiphysis position and pin location on impingement in SCFE: a geometrical modeling study | C | 3,500 | 11/2014 - 11/2015 | A d'Entremont | K Mulpuri, A Cooper , D Wilson |
| Rare Disease Foundation | Accuracy of deformity measurement in slipped capital femoral epiphysis: a geometrical modeling study | C | 3,500 | 05/2014 - 05/2015 | A d'Entremont | K Mulpuri, A Cooper , D Wilson |
| iACT Trainee Clinical Investigator Seed Grant Competition, CFRI | Use of functional weight bearing MRI to evaluate femoral head deformity and extrusion in Legg-Calve Perthes Disease: a pilot study | C | 7,500 | 11/2014 - 11/2015 | <i>Faculty Supervisor:</i> A Cooper <i>Clinical Trainee:</i> A Aarvold | CW Reilly, K Mulpuri |
| Rare Disease Foundation | Screw Trajectory in different femoral neck geometries in slipped capital femoral epiphysis: a geometrical modeling study | C | 3,500 | 12/2014 - 12/2015 | A Cooper | K Mulpuri, A d'Entremont |
| UBC Orthopaedics Research Excellence Fund | Development and validation of a Patient Reported Outcome Instrument for Children with Lower Limb Deformities | C | 32,000 <i>(for two years)</i> | 05/2015 - 05/2017 | A Cooper | K Mulpuri, A Klassen, J Kopec |
| POSNA Start- | Multi-centre Pin Site | C | 9,840 | 2016 - | A Cooper | K Mulpuri, S |

| Granting Agency | Subject | CO MP | \$ Per Year | Year | Principal Investigator | Co-Investigator(s) |
|--|--|-------|----------------------------|-------------------|------------------------|--|
| up Research Grant | Infection Study | | | 2017 | | Sabbarwal, S Madan, S Kelley, U Narayanan, C Iobst, S Dulai, P Foster, R Liu |
| CFRI Investigator Grant Award Program (IGAP) | Paediatric Limb Reconstruction | C | 54,000 (for five years) | 2016 - 2021 | A Cooper | |
| Rare Disease Foundation | Exome Sequencing in Congenital Pseudarthrosis of Tibia | C | 3,500 | 2016 - 2017 | A Cooper | C Van Karnebeek |
| UBC Plastic Surgery Academic Grant | Evaluating the Accuracy of the Paley Multiplier Method for Predicting Limb Length Discrepancy in Populations with Vascular Anomalies | C | 4,286.54 | 2016 - 2017 | A Cooper | DJ Courtemanche, W Moss (BScN, MSN), H Chhina, A Sepehri, E Lee |
| UBC Orthopaedics Research Excellence Fund | Screening for Developmental Dysplasia of the Hip: A Characterization of Risk Factors | C | 20,000 | 2016 - 2017 | K Mulpuri | EK Schaeffer, A Cooper |
| Canadian Orthopaedic Research Legacy | Development of a Patient Reported Quality of Life Questionnaire for Children with Lower Limb Deformities | C | 20,000 (for two years) | 09/2017 - 09/2019 | A Cooper | J Kopec, A Klassen |
| Rare Disease Foundation | Congenital Pseudarthrosis of Tibia - Exome Sequencing and Matching Model Organism | C | 3,500 | 08/2017 - 08/2018 | A Cooper | C Van Karnebeek |
| Training Grants | | | | | | |
| STELLA Award | Baltimore Limb Deformity Course and Observership | NC | 5,223 | 2014 | A Cooper | |
| STELLA Award | Limb Lengthening and Reconstruction Society Traveling Fellowship | NC | 5,000 | 2016 | A Cooper | |

(d) *Invited Presentations*

1. The oblique plane deformity in SCFE: which slips are too severe to pin? Office of Pediatric Surgical Evaluation and Innovation Rounds, April 1, 2014.
2. STELLA Award Report. Office of Pediatric Surgical Evaluation and Innovation Rounds, February 3, 2015.
3. Advances in Limb Reconstruction Surgery. Surgical Suites Grand Rounds - CFRI, February 17, 2015.
4. Distraction Osteogenesis: From Lab to Limb – TGIF Research Rounds CFRI, October 9, 2015.
5. Distraction Osteogenesis – Pediatric Radiology Academic Rounds, April 12, 2016.

6. STELLA Award Report. Office of Pediatric Surgical Evaluation and Innovation Rounds, September 6, 2016.
7. International Bone Health Collaborative Trip Report. Stephen J Tredwell Visiting Professor Day, BC Children's Hospital, November 2016.
8. International Bone Health and Mobility Initiative. Special Office of Pediatric Surgical Evaluation and Innovation Rounds, December 12, 2016.
9. Reviewing the Research Structure at BC Children's Hospital: Evidence to Innovation. Office of Pediatric Surgical Evaluation and Innovation Rounds, February 7, 2017.
10. Paediatric Limb Deformity: Measuring What Matters in the 4th Dimension. R.W. McGraw Lecture, BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference, May 12, 2017.

(f) Conference Participation (Organizer, Keynote Speaker, etc.)

1. **Moderator:** OPSEI Academic Rounds, Summer Student Research Presentations, January 6, 2015.
2. **Moderator:** OPSEI Fellows' Academic Rounds, August 4, 2015.
3. **Moderator:** OPSEI Academic Rounds, Summer Student Research Presentations, January 8, 2016.
4. **Moderator:** Resident, Fellow and Graduate Student Research Presentations, BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference, May 10, 2017.
5. **Keynote Speaker:** R.W. McGraw Lecture, BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference, May 12, 2017.

10 SERVICE TO THE HOSPITAL

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

| | |
|--|--------------------|
| Member, BC Trauma Steering Committee, BC Children's Hospital | Mar 2015 – present |
| Theme Co-Lead, Clinical Practice, Outcomes & Innovation, Evidence to Innovation (E2i), BC Children's Hospital Research Institute | Jun 2015 – present |

(b) Other service, including dates

| | |
|--|----------------|
| Administrative Registrar, Doncaster Royal Infirmary, UK | Feb – Aug 2010 |
| Administrative Fellow, Division of Orthopaedic Surgery, BC Children's Hospital | Apr – Jul 2014 |

11. SERVICE TO THE COMMUNITY

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

| | |
|---|--------------------|
| Scientific Review Board Member, Canadian Orthopaedic Association (COA) National | Nov 2014 – present |
|---|--------------------|

| | | |
|-----|--|--|
| | Treasurer, Canadian Paediatric Orthopaedic Group (CPOG) National | Jun 2014 – present |
| | Active Member, Pediatric Orthopaedic Society of North America (POSNA) International | Sep 2014 – present |
| | Mentorship Committee, Pediatric Orthopaedic Society of North America (POSNA) International | Oct 2016 – present |
| (b) | <i>Memberships on other societies, including offices held and dates</i> Elected President, Doctors’ Mess Committee, Leeds General Infirmary Medical Association Staff Engagement Society | Aug 2003 – Feb 2004 Sept 2016-current |
| c) | <i>Memberships on scholarly committees, including offices held and dates</i> Member, Core Curriculum Integration Committee, Leeds University Medical School | Sep 1999 – Aug 2000 |
| (d) | <i>Memberships on other committees, including offices held and dates</i> Member, Medical Students’ Representative Council, Leeds University Medical School | Sep 1998 – Aug 2000 |
| (e) | <i>Editorships (list journal and dates)</i> Not applicable | |
| (f) | <i>Reviewer (journal, agency, etc. including dates)</i> The Bone & Joint Journal (3 works reviewed) International University of British Columbia Medical Journal (1 work reviewed) Local | Jul 2016 – present Nov 2016 – present |
| (g) | <i>Other service to the community</i> | |
| 1. | Representative, Departments of Paediatric Surgery and Anaesthesia, 28th Annual Miracle Weekend Celebration, BC Children’s Hospital, Vancouver, BC, May 2015. | |
| 2. | Volunteer/charitable surgical mission, Balaji Institute of Surgery Research and Rehabilitation for the Disabled (BIRRD) Trust Hospital, Tirupati, India, August 2016. | |

12. **AWARDS AND DISTINCTIONS**

| | |
|---|----------|
| Honours points in Biochemistry, Laboratory, and Scientific Medicine, Leeds Medical School | Jul 1999 |
| Dora Ratcliffe Medical Elective Award, Leeds Medical School | 2002 |
| Honours: Elective Internship, Vascular Surgery Course, Harvard Medical School | Aug 2002 |
| Getty Plate: Best Academic Project, Sheffield Higher Surgical Training Program | Jul 2009 |
| Best Podium Presentation: Combined British Society of Children’s Orthopaedic Surgeons/British Limb Reconstruction Society (Runner up) | Jan 2011 |
| Getty Plate: Best Academic Project (Runner up) | 2011 |
| Investigator Grant Award, CFRI, BC Children’s Hospital | 2016 |

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

SURNAME: Cooper

FIRST NAME: Anthony
MIDDLE NAME(S): Philip

Initials: APC
Date: August 2017

1. REFEREED PUBLICATIONS

(a) Journals

1. Gella S, **Cooper AP**, Tulwa NJ. A rare example of pseudodislocation of the acromioclavicular joint in a 12 year old boy. *J Orthop*. 2008;5(1)e13.
2. **Cooper AP**, Basheer SZ, Maheshwari R, Regan L, Madan SS. Outcomes of hip arthroscopy. A prospective analysis and comparison between patients under 25 and over 25 years of age. *Br J Sports Med*. 2013 March; 47(4):234-238. PMID: 22797420. Impact Factor: 5.025.
3. Madan SS, **Cooper AP**, Davies AG, Fernandes JA. The treatment of severe slipped capital femoral epiphysis via the Ganz surgical dislocation and anatomical reduction: A prospective study. *Bone Joint J*. 2013 March; 95-B(3):424-429. PMID: 23450032. Impact Factor: 1.961
4. **Cooper AP**, Salih S, Geddis C, Foster P, Fernandes JA, Madan SS. The oblique plane deformity in slipped capital femoral epiphysis. *J Child Orthop*. 2014 March; 8(2):121-127. PMID: 24554127.
5. **Cooper AP**, Chhina H, Howren A, Alvarez C. The contralateral foot in children with unilateral club foot, Is the unaffected side normal? *Gait Posture*. 2014 July; 40(3):375-380. PMID: 25001577. Impact Factor: 2.752.
6. **Cooper AP**, Doddabasappa S, Mulpuri K. Evidence-based management of developmental dysplasia of the hip. *Orthop Clin North Am*. 2014 July; 45(3):341-354. PMID: 24975762. Impact Factor: 1.25.
7. **Cooper AP**, Evans OG, Ali FM, Flowers M. A novel method for assessing post-operative femoral head reduction in developmental dysplasia of the hip. *J Child Orthop*. 2014 Aug; 8(4):319-324. PMID: 24993902.
8. d'Entremont AG, **Cooper AP**, Johari A, Mulpuri K. What clinimetric evidence exists for using hip-specific patient-reported outcome measures in pediatric hip impingement? *Clin Orthop Relat Res*. 2015 Apr; 473(4):1361-1367. PMID: 25367111. Impact Factor: 2.765.
9. Basheer SZ, **Cooper AP**, Balasubramanian B, Maheshwari R, Madan SS. Arthroscopic treatment of femoroacetabular impingement following slipped capital femoral epiphysis. *Bone Joint J*. 2016 Jan; 98-B(1):21-27. Impact Factor: 1.961.
10. Chhina H, Klassen A, Kopec J, Park S, Fortes C, **Cooper A**. Quality of life of children with lower limb deformities: A systematic review of patient-reported outcomes and development of a preliminary conceptual framework. *J Limb Lengthen Reconstr*. 2017 Jan 1;3(1):19.
11. Jones CE, **Cooper AP**, Doucette J, Buchan LL, Wilson DR, Mulpuri K, d'Entremont AG. Relationships between severity of deformity and impingement in slipped capital femoral epiphysis. *J Pediatr Orthop*. 2017 Jun 1;37(4):272-8.

(b) Conference Proceedings

1. Harvey D, Tomlinson J, **Cooper A**, Buckley S, Townsend R, Kerry R, Oliver D. Voriconazole-impregnated beads in the treatment of candidal prosthetic joint infection. *Clin Microbiol Infect*. 2009 Apr 1;15(4):S502.
2. **Cooper AP**, Prtak L, Townsend R, Buckley SC. Routine intra-operative microbiological samples in direct exchanges of total hip replacements. A retrospective analysis of 100 consecutive cases with minimum 1 year follow up. *J Bone Joint Surg Br*. 2010; 92B SupplIII:395.

3. **Cooper AP**, Flowers MJ. Redislocation and the computerised tomography evaluation of developmental dysplasia of the hip. *J Bone Joint Surg Br.* 2012; 94B SupplXXIV:2.
4. Sepehri A, Chhina H, Courtemanche D, **Cooper A**. The Multiplier Method for Predicting Limb Length Discrepancy in Patients with Vascular Anomalies in the Lower Limb. *J Limb Lengthen Reconstr.* 2015; 1 SupplS1:1-117.
5. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Schaeffer E, Abugharbieh R. A Reliable Automatic 2D Measurement for Developmental Dysplasia of the Hip. *J Bone Joint Surg Br.* Accepted 2016 Apr 5.
6. Mulpuri K, Dobbe A, Schaeffer E, Miyanji F, Alvarez C, **Cooper A**, Reilly C. Management of displaced supracondylar fractures of the humerus using lateral versus cross k wires: a prospective randomised trial. *Bone Joint J.* 2016; 98B Suppl21:93.
7. Schaeffer E, Quader N, Mulpuri K, **Cooper A**, Hodgson A, Abugharbieh R. Automatic evaluation of scan adequacy and dysplasia metrics in 2D ultrasound images of the neonatal hip. *Bone Joint J.* 2016 Dec; 98B Suppl21:42.
8. Aarvold A, Fortes C, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper AP**, Uglow M. Standing weight bearing MRI for evaluation of Legg-Calvé-Perthes disease: a pilot study. *Bone Joint J.* 2016 Sep 8;98 Suppl15:8.
9. Chhina H, Klassen A, Kopec JA, **Cooper A**. Development of a patient-reported outcome instrument to measure quality of life of children with lower limb deformities: preliminary results. *Qual Life Res.* 2016 Oct; 25:138.
10. Paserin O, Quader N, Mulpuri K, **Cooper A**, Schaeffer E, Hodgson A, Abugharbieh R. Quantifying Dynamic Assessment of Developmental Dysplasia of the Hip. *J Bone Joint Surg Br.* 2017.

2. **NON-REFEREED PUBLICATIONS**

(a) *Journals*

1. Hassan K, McGrath L, Thomas K, Henderson L, Thangiaraj S, Kocheta A, Wilson B, Royston S, **Cooper AP**. Service Evaluation of work performed by non-consultant grade doctors at night. *Bulletin of the Royal College of Surgeons of England.* 2010 July; 92(7):1-4.
2. **Cooper AP**, Ali AA. Rotator Cuff Tears. *Surgery (Oxford).* 2013 April; 31(4):168-171.
3. **Cooper AP**, Jones S. Foot Disorders in Childhood. *Surgery (Oxford).* 2014 Jan; 32(1):46-49.

(b) *Other*

1. **Cooper AP**, Gella S Tulwa NJ. Avascular Necrosis of The First Metatarsal in a Child. A Case Report. Poster presentation, International Foot and Ankle Congress, Toronto, Canada, May 2005.
2. Fenton AL, Thiagarajah S, **Cooper AP**, Hassan K, Buckley SC. Audit of patient movement and infection rates within the department of orthopaedics at the Northern General Hospital Sheffield. Podium presentation, Edinburgh Audit Symposium, Royal College of Surgeons, Edinburgh, United Kingdom, March 2008.
3. **Cooper AP**, Prtak L, Townsend R, Buckley SC. Routine intra-operative microbiological samples in direct exchanges of total hip replacements. A retrospective analysis of 100 consecutive cases with minimum 1 year follow up. Poster presentation, British Hip Society, Manchester, United Kingdom, March 2009.
4. Harvey D, Tomlinson J, **Cooper AP**, Buckley S, Kerry R, Oliver D. Voriconazole-impregnated beads in the treatment of candidal prosthetic joint infection. Poster presentation, European Congress of clinical microbiology & Infectious Diseases, Helsinki, Finland, May 2009.
5. **Cooper AP**, Ali F, Al-Sarawan M, Evans O, Flowers M. Redislocation and the computerized tomography evaluation of

developmental dysplasia of the Hip. Podium presentation, Combined Meeting of British Society of Children's Orthopaedic Surgeons and British Limb Reconstruction Society, Sheffield, United Kingdom, January 2011.

6. **Cooper AP**, Flowers M, Fernandes J Jones S. The aetiology of Legg-Calve-Perthes Disease: A systematic review. Poster presentation, European Paediatric Orthopaedic Society Annual Meeting, Basel, Switzerland, April 2011.
7. **Cooper AP**, Basheer SZ, Maheshwari R, Regan L, Madan SS. Outcomes of hip arthroscopy. A prospective analysis and comparison between patients under 25 and over 25 years of age. Podium presentation, European Hip Society, Milan, Italy, September 2012.
8. **Cooper AP**, Basheer SZ, Madan SS. Outcomes of Hip Arthroscopy in Children. A Prospective analysis. Poster presentation, European Hip Society, Milan, Italy, September 2012.
9. **Cooper AP**, Basheer SZ, Madan SS. Outcomes of Hip Arthroscopy in Children. A Prospective analysis. Poster presentation, International Society of Hip Arthroscopy, Boston, United States, September 2012.
10. **Cooper AP**, Basheer SZ, Maheshwari R, Regan L, Madan SS. Outcomes of hip arthroscopy. A prospective analysis and comparison between patients under 25 and over 25 years of age. Poster presentation, International Society of Hip Arthroscopy Boston, United States, September 2012.
11. **Cooper AP**, Davies AG, Fernandes JA, Madan SS. Treatment of severe SCFE with surgical dislocation and anatomical reduction. A prospective study. Poster presentation, British Hip Society, Bristol, United Kingdom, February 2013.
12. **Cooper AP**, Fernandes JA, Davies AG, Madan SS. Treatment of severe slipped capital femoral epiphysis via the Ganz surgical hip dislocation and anatomical reduction. A prospective study of 28 consecutive patients. Podium presentation, European Paediatric Orthopaedic Society Annual Meeting, Athens, Greece, April 2013.
13. **Cooper AP**, Basheer SZ, Madan SS. Patient reported outcomes for hip arthroscopy in children. A prospective study of 25 consecutive hip arthroscopies. Poster presentation, European Paediatric Orthopaedic Society Annual Meeting, Athens, Greece, April 2013.
14. **Cooper AP**, Foster P, Gheddis C, Fernandes J, Madan S. The oblique plane classification in Slipped Upper Femoral Epiphysis – a novel and reliable method of calculating the true deformity. Poster presentation, European Paediatric Orthopaedic Society Annual Meeting, Athens, Greece, April 2013.
15. Bhatnagar S, **Cooper AP**, Townsend R, Hamer AJ, Stockley I, Kerry RM, Buckley SC. Is it essential to obtain deep tissue samples in revision hip arthroplasty for aseptic loosening? Poster presentation, British Hip Society, Exeter, United Kingdom, March 2014.
16. Bhatnagar S, **Cooper AP**, Townsend R, Hamer AJ, Stockley I, Kerry RM, Buckley SC. Is it essential to obtain deep tissue samples in revision knee arthroplasty for aseptic loosening? Poster presentation, British Association for Surgery of the Knee, Norwich, United Kingdom, March 2014.
17. Basheer S, **Cooper AP**, Madan SS. Arthroscopic Treatment Of Femoroacetabular Impingement Following Slipped Capital Femoral Epiphysis. Poster presentation, European Federation of National Associations of Orthopaedics and Traumatology, London, United Kingdom, June 2014.
18. Jones CE, d'Entremont AG, **Cooper AP**, Doucette J, Buchan LL, Wilson DR, Mulpuri K. Relationships between Severity of Deformity and Impingement in Acute Slipped Capital Femoral Epiphysis. Podium presentation, Orthopaedic Research Society Annual Meeting, Las Vegas, United States, March 2015.
19. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Schaeffer E, Abugharbieh R. Ultrasound imaging-based characterization of the neonatal hip. BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic

Update Conference, Vancouver, Canada, May 2015.

20. Roberts LE, Strelzow J, Andrade J, Mulpuri K, Reilly C, **Cooper A**. Non-operative Treatment of Type IIA Supracondylar Humerus Fractures: Comparing Two Modalities. Podium presentation, Canadian Orthopaedic Association (COA) and Canadian Orthopaedic Research Society (CORS) Annual Meeting, Vancouver, BC, Canada, June 2015.
21. Sepehri A, Chhina H, Courtemanche D, **Cooper A**. The multiplier method for predicting limb length discrepancy in patients with vascular anomalies in the lower limb. Oral presentation, International Limb Lengthening and Reconstruction Society Congress, Miami, USA, November 2015.
22. Iobst C, **Cooper A**, Green S, Fabricant P, Narayanan U. Symposium: Assessing lower limb deformity and patient reported outcomes - Can we do better? International Limb Lengthening and Reconstruction Society Congress, Miami, USA, November 2015.
23. Jones CE, d'Entremont AG, **Cooper AP**, Doucette J, Buchan LL, Wilson DR, Mulpuri K. How Do Errors In Frog-lateral Plane Positioning Effect Southwick Angle Measurements? Poster presentation, Orthopedic Research Society Annual Meeting, Orlando, USA, March 2016.
24. Aarvold A, Fortes C, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper AP**. Standing weight bearing MRI for evaluation of Legg-Calve-Perthes disease: a pilot study. Podium presentation, British Society for Children's Orthopaedic Surgery Annual Meeting, Buckinghamshire, UK, March 2016.
25. Mulpuri K, Dobbe A, Schaeffer E, Miyajni F, Alvarez C, **Cooper A**, Reilly C. Management of Displaced Supracondylar Fractures of the Humerus Using Lateral versus Crossed K Wires: A Prospective Randomized Trial. Podium Presentation, Pediatric Orthopaedic Society of North America (POSNA) Annual Symposium, Indianapolis, IN, April 2016.
26. Quader N, Schaeffer E, Mulpuri K, **Cooper A**, Hodgson A, Abugharbieh R. Comparison of an Automatic Technique to Current Practice in Calculating Dysplasia Metrics in 2D Ultrasound Images of the Neonatal Hip. Presentation, Pediatric Orthopaedic Society of North America (POSNA) Annual Symposium, Indianapolis, USA, April 2016.
27. Aarvold A, Fortes C, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper AP**. Use of weight-bearing MRI in Legg-Calvé-Perthes Disease: A Pilot Study. Accepted, 13th Meeting of the Combined Orthopaedic Associations (COMOC 2016), Cape Town, South Africa, April 2016.
28. Aarvold A, Fortes C, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper AP**. Use of weight-bearing MRI in Legg-Calvé-Perthes Disease: A Pilot Study. Poster presentation, Canadian Orthopaedic Association (COA) and Canadian Orthopaedic Research Society (CORS) Annual Meeting, Quebec City, Canada, June 2016.
29. Quader N, Schaeffer E, Mulpuri K, **Cooper A**, Hodgson A, Abugharbieh R. Automatic Evaluation of Scan Adequacy and Dysplasia Metrics in 2D Ultrasound Images of the Neonatal Hip. Canadian Orthopaedic Association (COA) and Canadian Orthopaedic Research Society (CORS) Annual Meeting, Quebec City, Canada, June 2016.
30. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Schaeffer E, Abugharbieh R. A Reliable Automatic 2D Measurement for Developmental Dysplasia of the Hip. The 2016 International Meeting of Computer Assisted Orthopedic Surgery Society (CAOS), Osaka, Japan, June 2016.
31. **Cooper A**. Minimizing Complications in External Fixation and Limb Lengthening. Podium presentation, BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference ("Improving Orthopaedic Care and Care Delivery"), Vancouver, Canada, May 6, 2016.
32. Chhina H, Klassen A, Kopec J, **Cooper A**. Understanding the health impact of lower limb deformities on pediatric patients: An interpretive description qualitative study. International Institute for Qualitative Methodology:

Thinking Qualitatively Workshop Series, Edmonton, Canada, June 2016.

33. Chhina H, Klassen A, Kopec J, **Cooper A**. Understanding the health impact of lower limb deformities on pediatric patients: An interpretive description qualitative study. Poster presentation, Child and Family Research Institute, Annual Trainee Research Day, Vancouver, Canada, July 2016.
34. Chhina H, Eugenio A, Mulpuri K, **Cooper A**. Techniques for reducing pin site infections in pediatric limb lengthening. Podium presentation, ASAMI-BR International Congress, Brisbane, Australia, September 20-24, 2016.
35. Koo W, Chhina H, **Cooper A**. Intravenous Lidocaine reduces post-operative pain and opiate requirements in patients undergoing external fixation. Podium presentation, ASAMI-BR International Congress, Brisbane, Australia, September 20-24, 2016.
36. Archer L, Dobbe A, Chhina H, Velásquez HA, **Cooper A**. Inter- and Intraobserver Reliability of the Pixel Value Ratio, Ru Li and Donnan Classifications of Regenerate Quality in Pediatric Limb Lengthening. Podium presentation, ASAMI-BR International Congress, Brisbane, Australia, September 20-24, 2016.
37. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Abugharbieh R. Towards Reliable Automatic Characterization of Neonatal Hip Dysplasia from 3D Ultrasound Images. Medical Image Computing and Computer Assisted Intervention (MICCAI), Athens, Greece, October 17-21, 2016.
38. Chhina H, Klassen A, Kopec J, **Cooper A**. Development of a patient reported Quality of life questionnaire for children with lower limb deformities: Preliminary results. Poster presentation, 23rd Annual Conference of the International Society for Quality of Life Research, Copenhagen, Denmark, October 19-22, 2016.
39. Eugenio A, Chhina H, Garret S, Jacobs M, **Cooper A**. Assessing rehabilitation learning needs of children undergoing limb reconstruction and lengthening: Project proposal. Poster presentation, Evidence to Innovation, Annual Trainee Day, BC Children's Hospital, Vancouver, Canada, November 24, 2016.
40. Chhina H, Klassen A, Kopec J, **Cooper A**. Development of a patient reported quality of life questionnaire for children with lower limb deformities: Preliminary results. Poster presentation, Evidence to Innovation, Annual Trainee Day, BC Children's Hospital, Vancouver, Canada, November 24, 2016.
41. Aarvold A, Eugenio A, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper AP**. Dynamic Deformation of the Femoral Head occurs on Weight Bearing in Early Fragmentation of Perthes Disease. Accepted for ePoster presentation, European Paediatric Orthopaedic Society/Pediatric Orthopaedic Society of North America (EPOSNA) Combined Annual Meeting, Barcelona, Spain, May 3-6, 2017.
42. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Schaeffer E, Teo T, Abugharbieh R. Reliably Assessing Developmental Dysplasia of the Hip using 3D Ultrasound Imaging. BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference, Vancouver, Canada, May 10-12, 2017.
43. **Cooper AP**. Paediatric Limb Deformity: Measuring What Matters in the 4th Dimension. Podium/Keynote presentation, BCOA Annual Meeting & UBC Department of Orthopaedics Orthopaedic Update Conference, Vancouver, Canada, May 10-12, 2017.
44. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Schaeffer E, Teo T, Abugharbieh R. Diagnosing Developmental Dysplasia of the Hip using 3D Ultrasound. Accepted for demonstration, The 2nd Annual Health Technology Symposium, Vancouver, Canada, May 26, 2017.
45. Paserin O, Quader N, Mulpuri K, **Cooper A**, Schaeffer E, Hodgson AJ, Abugharbieh R. Quantifying dynamic assessment of developmental dysplasia of the hip. Accepted for podium presentation, 17th Annual Meeting of the

International Society for Computer Assisted Orthopaedic Surgery (CAOS), Aachen, Germany, June 14-17, 2017.

46. Aarvold A, Eugenio A, Chhina H, Reilly C, Wilson D, Mulpuri K, **Cooper A**. Dynamic Deformation of The Femoral Head Occurs On Weight Bearing In Early Fragmentation of Perthes Disease. Accepted for poster presentation, Canadian Orthopaedic Association (COA) Annual Meeting, Ottawa, Canada, June 15-18, 2017.
47. Teo T, Schaeffer EK, **Cooper A**, Mulpuri K. Does the immediate postoperative radiograph change patient management after surgical fracture fixation? A systematic review. Accepted for podium presentation, Canadian Orthopaedic Association (COA) Annual Meeting, Ottawa, Canada, June 15-18 2017.
48. Chhina H, Klassen A, Kopec J, Longmire N, Oliffe JL, **Cooper A**. Qualitative Insights to Health Related Quality Of Life among US and Canadian based Children with Lower Limb Deformities. Poster presentation, BC Children's Hospital Research Institute, Annual Trainee Research Day, Vancouver, Canada, June 22, 2017.
49. McCammon J, **Cooper A**. Management of the Proximal Tibiofibular Joint in Tibial Lengthening. Poster presentation, BC Children's Hospital Research Institute, Annual Trainee Research Day, Vancouver, Canada, June 22, 2017.
50. Chhina H, Klassen A, Kopec J, **Cooper A**. Development of a cross-cultural patient-reported outcome instrument to measure the health related quality of life of children and adolescents with lower limb deformities – Study Protocol. Accepted, LLRS 26th Annual Scientific Meeting, Utah, USA, July 21-22, 2017.
51. Koo W, Chhina H, **Cooper A**. Intravenous Lidocaine reduces post-operative pain and opiate requirements in patients undergoing external fixation. Podium presentation, LLRS 26th Annual Scientific Meeting, Utah, USA, July 21-22, 2017.
52. McCammon J, **Cooper A**. Management of the Proximal Tibiofibular Joint in Tibial Lengthening. Podium presentation, LLRS 26th Annual Scientific Meeting, Utah, USA, July 21-22, 2017.
53. McCammon J, **Cooper A**. Strategies in the Management of Genu Recurvatum Deformity. Podium presentation, LLRS 26th Annual Scientific Meeting, Utah, USA, July 21-22, 2017.
54. Chhina H, Klassen A, Kopec A, **Cooper A**. Development of a cross-cultural patient-reported outcome instrument to measure the health related quality of life of children and adolescents with lower limb deformities – Study Protocol. Podium presentation, LLRS 26th Annual Scientific Meeting, Utah, USA, July 21-22, 2017.
55. Quader N, Hodgson A, Mulpuri K, **Cooper A**, Abugharbieh R. Tomographic Reconstruction Based Learning for Automatic Characterization of Hip Dysplasia via a 3D Femoral Hip Coverage Feature. Accepted, Medical Image Computing and Computer Assisted Intervention (MICCAI), Quebec City, Canada, September 10-14, 2017.
56. Eugenio A, Chhina H, **Cooper A**. Comparison of self-reports and parent proxy-reports on the quality of life and function of children with lower limb deformities. Accepted for oral presentation, 24th Annual Conference for the International Society for Quality of Life Research, Philadelphia, USA, Oct 18-21, 2017.
57. Chhina H, Klassen A, Kopec J, Longmire N, Oliffe JL, **Cooper A**. Qualitative Insights to Health Related Quality Of Life among US and Canadian based Children with Lower Limb Deformities. Accepted for poster presentation, 24th Annual Conference for the International Society for Quality of Life Research, Philadelphia, USA, Oct 18-21, 2017.

3. **BOOKS**

(a) *Chapters*

1. **Cooper AP**, Jones S. Foot and Ankle. In: Alshryda S, Jones S, Banaszkiwicz PA, editors. Postgraduate Paediatric Orthopaedics. Cambridge: Cambridge University Press; 2014. p. 86-103.
2. **Cooper AP**, Fernandes JA. Evidence-Based Treatment for Congenital Femoral Deficiency. In: Alshryda S, Huntley J, Banaszkiwicz PA, editors. Paediatric Orthopaedics: An Evidence-Based Approach to Clinical Questions. Springer, USA; 2017.
3. Suzuki A, Fernandes JA, **Cooper AP**. Coxa Vara. In: Alshryda S, Howard J, Huntley J, editors. Paediatric and Adolescent Hip: Essentials and Evidence. Springer, USA: 2017.

4. **WORK SUBMITTED (including publisher and date of submission)**

(a) *Articles*

1. Park S, Dobbe A, Chhina H, **Cooper AP**. A systematic review of cost analyses of amputation and limb reconstruction in fibular hemimelia. Under review, J Limb Lengthen Reconstr, 2017.
2. Archer L, Dobbe A, Chhina H, Velásquez HA, **Cooper A**. Inter- and Intraobserver Reliability of the Pixel Value Ratio, Ru Li, and Donnan Classification of Regenerate Quality in Pediatric Limb Lengthening. Submitted to J Limb Lengthen Reconstr, 2017.
3. Jones CE, **Cooper AP**, Doucette J, Buchan LL, Wilson DR, Mulpuri K, d'Entremont AG. Southwick angle measurements and SCFE slip severity classifications are affected by frog-lateral plane positioning. Submitted to Skeletal Radiol, March 2017.

(b) *Abstracts for conferences*

5. **WORK IN PROGRESS (including degree of completion)**

1. Development of a Quality of Life Instrument for Children with Lower Limb Deformities. *Recruitment in progress / ongoing qualitative analysis.*
2. Observational Study of Children with Limb Problems (Limb Deformity Database). *Recruitment in progress.*
3. Multicentre Pin Site Infection Study. *Recruitment in progress at 3 centres / ethics applications in progress at other centres.*
4. Limb Deficiencies – Development of a Care Map for Affected Families. *Recruitment in progress.*
5. Geometric Modelling in SCFE - Screws Trajectory. *In progress.*
6. Next Generation Sequencing in Rare Disorders: Congenital Pseudarthrosis of the Tibia. *Recruitment in progress.*
7. Use of Functional Weight-Bearing MRI in Legg–Calvé–Perthes Disease: A Pilot Study. *Data analysis in progress.*
8. Simple Bone Cysts In Kids (SBoCK). *Recruitment in progress.*
9. Evaluating the Accuracy of the Multiplier Method for Estimating the Difference in Leg Lengths in Children with Vascular Anomalies. *Patient call-back in progress.*
10. Preventative Multimodal Analgesia for Children Undergoing Lower Limb Reconstruction with External Fixators: A Prospective Study of Postoperative Pain. *Recruitment in progress.*
11. Perceptions and Attitudes Towards Children with Orthopaedic Devices. *Recruitment in progress.*
12. Paediatric Elbow Fractures from the Child's Viewpoint. *Recruitment in progress.*

13. Psychological Assessment in Mothers with DDH babies. *Protocol in development.*
14. Radial Neck Fractures – Design and development of an elbow simulation model. *Protocol in development.*
15. Outcome analysis of comminuted vs. non–comminuted paediatric femur fractures treated with elastic intramedullary nail fixation. *Protocol in development.*