

CURRICULUM VITAE

PERSONAL INFORMATION

Identification

Dr. Kevin Mitchell Smit

Surgeon-Educator, CHEO Surgery Associates

Canadian Citizen

Correspondence language: English

Language Skills

French (Read, Write, Speak, Understand, Peer Review)

English (Read, Write, Speak, Understand, Peer Review)

Address

Mailing: 401 Smyth Rd.

Ottawa, Ontario, Canada

K1H 8L1

Telephone

Contact Name: Kevin Smit +1 (613) 737-7600 x 1370

EDUCATION

Degrees

Master's Thesis (January 2016 - January 2019)

Health Professional Education, (In Progress)

University of Ottawa, Canada, Ontario, Academic

Certificate (January 2014 - January 2015)

Fellowship, Pediatric Orthopedic Surgery (Completed)

Southwestern University, United States, Texas, Academic

Created: 2017/02/22

Texas Scottish Rite Hospital for Children

Certificate (January 2009 - January 2014)
Orthopedic Residency, (Completed)
University of Western Ontario, Canada, Ontario, Academic

Doctor of Medicine (M.D.) (January 2005 - January 2009)
(Completed)
University of Ottawa, Canada, Ontario, Academic

Bachelor's (January 2001 - January 2005)
Science, Biochemistry (Completed)
University of Ottawa, Canada, Ontario, Academic

Credentials

FRCSC (January 2015 -)
Royal College of Physicians and Surgeons of Canada, Canada, Ontario, Academic

RECOGNITIONS

Prize / Award T. Boone Pickens Research Award
(May 2015 -) Southwestern University, United States, Texas, Academic
Areas of Research Joints (Articulations), Health Sciences, Musculoskeletal Health and Arthritis,
Musculoskeletal Health and Arthritis

Prize / Award 11th International Pediatric Orthopaedic Symposium Scholarship
(December 2014 -) , POSNA

Prize / Award Class of Meds'49 award of excellence in teaching by residents – finalist UWO
(January 2014 - January 2014) University of Western Ontario, Canada, Ontario, Academic
Outstanding contributions to student education

Prize / Award Dr. Harvey Bailey Award
(January 2013 - January 2014) University of Western Ontario, Canada, Ontario, Academic
Best student teacher award

Prize / Award Dr. Sandra Kirkley Award

(January 2009 -), Canadian Orthopaedic Resident Association
Best clinical research paper

Prize / Award Aesculapian Award

(September 2008 - June 2009) University of Ottawa, Canada, Ontario, Academic
Significant contribution to the student body in medical school

Prize / Award Otto Aufranc Hip Society Award

(January 2008 -), American Association of Orthopaedic Surgeons (AAOS)
Best hip research award

Prize / Award Frosst 2 Award

(September 2007 - June 2008) University of Ottawa, Canada, Ontario, Academic
Best student performance in surgery

Prize / Award Governor General's Silver Medal

(September 2005 - June 2009) University of Ottawa, Canada, Ontario, Academic

Prize / Award CIBC Mentorship Award

(January 2005 -) University of Ottawa, Canada, Ontario, Academic
Outstanding contribution to the mentorship program at the University of Ottawa

EMPLOYMENT

Non-academic Work Experience

Locum Surgeon, Part-time (October 2015 - April 2016)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health
Paediatric Orthopaedic Surgery

ATLS Instructor, Part-time (January 2011 - January 2015)

University of Western Ontario, Canada, Ontario, Academic

Research Assistant, Part-time (June 2007 - September 2007)

University of Ottawa, Canada, Ontario, Academic
Orthopaedic Surgery

Areas of Research Bone Diseases, Health Sciences, Musculoskeletal Health and Arthritis,
Musculoskeletal Health and Arthritis

Research Assistant, Part-time (January 2005 - January 2005)

National Research Council Canada, Canada, Ontario, Federal Government

Areas of Research Molecular Genetics, Health Sciences, Human Genetics, Human Genetics

Hospital Privileges

Approved, Primary, Attending Staff, 2016-9-1

Children's Hospital of Eastern Ontario

(2016-4-1 -)

RESEARCH FUNDING HISTORY

Principal Investigator (June 2017 -) - **Under Review**

Optimizing use of the Electronic Medical Record

Grant, Operating

Clinical Research Project

Other Investigators Dr. S. Carsen (Co-investigator)

(January 2015 -) - **Awarded**

Prospective Type 2 Supracondylar Humerus Fracture Study - Casting vs Percutaneous pinning

Grant

Clinical Research Project

Other Investigators Dr. K. Mulpuri, Dr. S. Carsen

Co-investigator (January 2017 - January 2020) - **Awarded**

The Ottawa Hospital: Division of Orthopaedic Surgery – Center of Excellence in Hip Preserving Surgery and Continuous Quality Improvement Program

Grant, Operating

The Division of Orthopaedic Surgery at The Ottawa Hospital (TOH) continues to strive towards providing the highest quality of care and patient/family experience. As part of our commitment to ensuring patient-centered care, we focus on several areas including clinical support for surgeons, adequate access to care for patients and being a top 10% performer in quality. In order to provide each patient with exceptional care, we must be able to measure our performance. As such, and

with the continued financial support of TOH, the Division is engaging in a Continuous Quality Improvement (CQI) Program.

Clinical Research Project

Other Investigators Dr. PE Beaulé (Principal Investigator), Dr. G. Wilkin (Co-applicant), Dr. S. Poitras (Co-applicant), Dr. S. Carsen (Co-applicant)

Funding by Year

(January 2017 - January 2020)

Total Funding: 450000 (Canadian dollar)

Research Disciplines Orthopedics, Health Sciences, Physical Education and Rehabilitation

Areas of Research Joints (Articulations), Health Sciences, Musculoskeletal Health and Arthritis, Musculoskeletal Health and Arthritis

Co-investigator (January 2016 - January 2018) - **Awarded**

POSNA/OREF Research Grant

Grant, Establishment

Study the genetic predisposition to mild bone fragility fractures in paediatric patients in collaboration between the Orthopaedic Division and the Bone Health Team.

Clinical Research Project

Other Investigators Dr. Sasha Carsen, Dr. Leanne Ward

Areas of Research Bone Diseases, Health Sciences, Musculoskeletal Health and Arthritis, Musculoskeletal Health and Arthritis

Funding Sources

Total Funding: 20000 (United States dollar)

Co-applicant (January 2013 - January 2014) - **Completed**

Internal Grant

Grant, Establishment

Evaluation of risk factors for the development of avascular necrosis following hip reconstruction surgery in patients with cerebral palsy

Clinical Research Project

Other Investigators Dr. Tim Carey, Dr. Debra Bartley, Dr. Megan Cashin

Areas of Research Joints (Articulations), Health Sciences, Musculoskeletal Health and Arthritis, Musculoskeletal Health and Arthritis

Funding Sources

University of Western Ontario

Paediatric Surgery Research Grant

Total Funding: 10000 (Canadian dollar)

ACTIVITIES

Teaching Activities

Courses Taught

Speaker, Winter (2017-5-16 - 2017-5-16)

15th Annual Ottawa Trauma Conference (Guest Lecture)

University of Ottawa, Canada, Ontario, Academic

, C-Spine Precautions: Pediatrics

Guest Faculty (2017-3-7 - 2017-3-11)

30th Ste Justine Pediatric Orthopaedic Review Course (Guest Lecture)

SPORC 2017

Guest Faculty (2017-1-17 - 2017-1-18)

Pediatric Orthopedic Review Course (Guest Lecture)

Canadian Orthopedic Resident Review Course, Academic

Lecturer, Fall (2016-10-24 - 2016-12-16)

Medicine, University of Ottawa, Canada, Ontario, Academic

Undergraduate, MSK Block - Radiology 1) Upper limb 2) Lower limb 3) Pediatrics

Speaker (2016-11-18 - 2016-11-20)

Annual General Meeting - Montebello, QC (Guest Lecture)

National Capital Orthopaedic Association Meeting

, Paediatric Orthopaedics - An Update

TBL Co-Leader, Fall (2016-11-14 - 2016-11-18)

Medicine, University of Ottawa, Canada, Ontario, Academic

Undergraduate, TBL - MSK Pediatrics and upper extremity

Lecturer, Fall (2016-11-14 - 2016-11-15)

Medicine, University of Ottawa, Canada, Ontario, Academic

Undergraduate, MSK Block - Maladies Congenitales

Presenter, Fall (2016-10-5 - 2016-10-5)

Orthopedic Surgery Grand Rounds (Guest Lecture)

Number of Students: >10

(2016-10-24 -)

Medicine, Surgery

Number of Students: >10

(2016-6-20 - 2016-6-20)

Medicine, Surgery

Number of Students: 1

Supervisory Activities

Student/Postdoctoral Supervision

Co-Supervisor (June 2016 - June 2017)

Katie Garland, In Progress

Student Summer Research Student, University of Ottawa

Thesis/Project Title: The adoption of a new Electronic Medical Record in a Paediatric Orthopaedic Ambulatory Clinic

Advisory Activities

Mentoring Activities

Mentor, Internal-Medical Student (January 2016 -)

University of Ottawa, Canada, Ontario, Academic

Mentorees: (Number of Mentorees: 12)

Mentor Group Leader for 10-12 medical students per year

Assessment and Review Activities

Organizational Review Activities

Journal Club Co-Organizer

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Participation Activities

Event Participation

Participant, Adolescent and Young Adult Hip Preservation Rounds, (September 2016 -)
Multidisciplinary rounds held every 2 months with orthopedic surgery, radiology, sports medicine and rehabilitation professionals to discuss various interesting cases and develop new treatment strategies for this patient demographic.

Participant, Workshop, Medtronic - Navigation Spine Instructional Course - Denver, CO

Attendee, Conference, Canadian Spine Society - Annual Meeting - Montreal QC

Attendee, Conference, Wiley Day - Dr. L. Copley
Children's Hospital of Eastern Ontario Annual Visiting Professor/Research Day.
 Helped coordinate program and cases.

Attendee, Conference, TSRH Fall Spine Symposium

Presenter/Attendee, Conference, Canadian Orthopedic Association Annual Meeting -
Quebec City

Participant, Workshop, Early Onset Scoliosis Preceptorship with Dr. R. El Hawari - Halifax,
NS

Attendee, Conference, Hans K. Uthoff Research Day
University of Ottawa Division of Orthopedic Surgery Research Day

Presenter/Attendee, Conference, Pediatric Orthopedic Society of North America (POSNA)
Annual Meeting

Attendee/Podium presentation, Conference, American Association of Orthopedic Surgeons

Attendee, Course, American Orthopaedic Association Resident Leadership Course - Denver
CO, (May 2013 - May 2013)

Community and Volunteer Activities

Volunteer - Rattle Me Bones

The Ottawa Hospital, Canada, Ontario, Health

Vonteer for local fundraiser for MSK and oncology research

Attending Physician

Other Organization: Sudbury - Pediatric Orthopedic Outreach Clinic, Provincial Government

Participant - 25th Annual Hike for CHEO

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Attending Physician

Other Organization: Nunavut - Pediatric Orthopedic Outreach Clinic, Territorial Government

Scholarly Activities

Adolescent and Young Adult Hip Preservation Research Rounds, (2016-9-1 -)

Contributor/Participant

Participation in research and discussions surrounding current and future studies in hip preservation surgery in a multidisciplinary team with orthopedic surgery, radiology, biomechanics and other health professionals

Weekly Case Presentations , (2016-1-4 -)

Staff Surgeon

I have started a weekly case discussion/mock oral presentation with the orthopaedic residents to review interesting cases and essential knowledge in paediatric orthopaedic surgery.

Weekly Pre-Operative Indication Rounds, (2015-11-6 -)

Staff Surgeon

Participation and guide discussion at the weekly paediatric orthopaedic surgery Pre-operative indication rounds. Each week residents present the surgical cases that will be performed at the Children's Hospital of Eastern Ontario. I aid in case discussions, providing feedback, and ensuring residents get key concepts to important aspects of peds ortho.

Monthly MSK radiology Rounds, (2015-10-26 -)

Participant

Participation in monthly MSK radiology rounds with orthopaedic surgery and radiology.

Weekly Department of Surgery Rounds, (2015-10-26 -)

Participant

Participant in weekly department of surgery rounds on Wednesday mornings 8-9.

Other Professional Research Activities

Co-Investigator, Site lead, Prospective Study on the outcomes of Slipped Capital Femoral Epiphysis, Research (2017-1-1 -)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Participation in an international, multi centre study on the prospective outcomes of the treatment of SCFE, with site leads being in Vancouver and Boston.

Co-Investigator, Comparative cohort study on the treatment of type 2 supracondylar humerus fractures, Research (2016-12-1 - 2017-1-1)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Prospective cohort study on the treatment of type 2 SCH fractures, non-operative compared to closed reduction and percutaneous pinning.

Co-Investigator, Site lead, A Multicentre Retrospective Review of the treatment of slipped capital femoral epiphysis, Research (2016-9-1 - 2017-1-1)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

We will be participating in a multi-centre retrospective review of the treatment and outcomes of SCFE.

Co-Investigator, Study on the genetics of bone fragility fractures in paediatric patients, Research (2016-9-1 - 2017-1-1)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

In collaboration with the Bone Health team at CHEO, we will be trying to identify if there are any genetic predispositions for patients with multiple bone fragility fractures.

Co-Investigator, The Adoption of a New EMR in a Pediatric Orthopedic Ambulatory Clinic, Research (2016-4-1 - 2017-1-1)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Phase 1: Review quality of data collection between old paper chart and new EMR
Phase 2: Modify and improve SmartSets to collect all needed data and repeat the study. We have had 2 medical students working on this project to date, and are now moving on to Phase 2 and will require additional students to help complete the project.

Co-Investigator, Ultrasonographic diagnosis of Toddler's fracture in the Emergency Room, Research (2016-4-1 - 2017-1-1)

Children's Hospital of Eastern Ontario, Canada, Ontario, Health

In collaboration with the Emergency Department, we will be assessing the usefulness of U/S in diagnosing paediatric Toddler's fractures. We will be providing the orthopaedic follow-up and contributing to the appropriate diagnosis and manuscript preparation.

Co-Investigator, Quality, Safety, Value: Hip Preservation Registry, Research (2016-4-1 -)
Ottawa Hospital, Canada, Ontario, Research
Contribution to the Ottawa Hospital Hip Preservation Registry on outcomes of surgery.

MEMBERSHIPS

Committee Memberships

Committee Member (June 2016 -)
Canadian Paediatric Orthopaedic Group
Multi-centre group of paediatric orthopaedic surgeons across Canada that meet annually to discuss interesting cases, present research ideas and develop the paediatric orthopaedic content at the Canadian Orthopaedic Association (COA) Meeting.

Committee Member (January 2016 -)
CQI - Department of Surgery
Children's Hospital of Eastern Ontario, Canada, Ontario, Health

Other Memberships

Member (October 2014 -)
POSNA (Paediatric Orthopaedic Society of North America)

Member (January 2010 -)
Canadian Orthopaedic Association

Member (January 2010 -)
AAOS (American Association of Orthopaedic Surgeons)

CONTRIBUTIONS

Presentations

Created: 2017/02/22

Clinical Research, **The adoption of a new Electronic Medical Record in a Paediatric Orthopaedic Ambulatory Clinic**

Presentation Type: Abstracts and/or Papers Read

Canadian Orthopedic Association Annual Meeting, National / International

Canada Ottawa

Co-Presenters Dr. S. Carsen, K. Garland

Transitioning from Residency to becoming a staff, something every new orthopedic resident should know

Presentation Type: Keynote Address

Canadian Orthopedic Resident Association, National / International

Canada Ottawa

Invited, Keynote

Precise Magec, We are Growing in Paediatric Orthopaedics

Presentation Type: Keynote Address

UO Division of Orthopaedic Surgery Grand Rounds, Local

Canada Ottawa

Invited, Keynote

Clinical Research, **Complications Following Open Forearm Fractures in Children**

Presentation Type: Abstracts and/or Papers Read

COA, National / International

Canada Quebec

Clinical Research, **Peroneal Nerve Function After Excision of Proximal Fibular Osteochondromas**

Presentation Type: Abstracts and/or Papers Read

COA, National / International

Canada Quebec

Clinical Research, **Peroneal Nerve Function After Excision of Proximal Fibular Osteochondromas**

Presentation Type: Abstracts and/or Papers Read

POSNA, National / International

United States Indianapolis

Clinical Research, **Complications Following Open Forearm Fractures in Children**

Presentation Type: Abstracts and/or Papers Read

POSNA, National / International

United States Indianapolis

Co-Presenters A. Hines, M. Elliott, K. Smit, C. Jo, D. Sucato, A. Riccio, L. Wimberly

Educational Research, **Spinal Muscular Atrophy and Muscular Dystrophy, a Review**

Presentation Type: Keynote Address

Department of Pediatric Surgery - Grand Rounds, Local

Canada Ottawa

Invited, Keynote

Superior Mesenteric Artery Syndrome Following Spinal Deformity Correction

Presentation Type: Abstracts and/or Papers Read

COA, National / International

Canada Vancouver

Clinical Research, **Is Acetabular Rim Trimming Safe and Effective For Idiopathic Femoroacetabular Impingement in the Adolescent Patient?**^[L]_[SEP]

Presentation Type: Abstracts and/or Papers Read

COA, National / International

Canada Vancouver

Clinical Research, **Is Acetabular Rim Trimming Safe and Effective For Idiopathic Femoroacetabular Impingement in the Adolescent Patient?**^[L]_[SEP]

Presentation Type: Abstracts and/or Papers Read

POSNA, National / International

United States Atlanta

Blount's Disease in 2015

Presentation Type: Keynote Address

Visiting Lecturer, Local

United States Orlando

Invited

Clinical Research, **Incidence of Avascular Necrosis Following Proximal Femoral Varus Derotational Osteotomy in Patients with Cerebral Palsy**

Presentation Type: Abstracts and/or Papers Read

COA, National / International
Canada Montreal

Clinical Research, **Tranexamic Acid is Safe and Effective in Revision Total Knee Arthroplasty**

Presentation Type: Abstracts and/or Papers Read

COA, National / International

Canada Winnipeg

Clinical Research, **Tranexamic Acid is Safe and Effective in Revision Total Knee Arthroplasty**

Presentation Type: Abstracts and/or Papers Read

AAOS, National / International

United States Chicago

Clinical Research, **Tranexamic Acid is Safe and Effective in Revision Total Hip Arthroplasty**

Presentation Type: Abstracts and/or Papers Read

AAOS, National / International

United States San Francisco

Educational Research, **N-Acetylcysteine improves muscle perfusion and reduces inflammation in compartment syndrome**

Presentation Type: Abstracts and/or Papers Read

COA/CORA, National / International

Canada St. John's

Publications

Journal Articles

Clinical Research, Revision Requested

A. Hines, M. Elliott, K. Smit, C. Jo, D. Sucato, A. Riccio, L. Wimberly, **Complications Following Open Forearm Fractures in Children**, Journal of Paediatric Orthopaedics

Clinical Research, Published, **First Listed Author**

Smit KM, Naudie DD, Ralley FE, Berta DM, Howard JL, **One dose of tranexamic Acid is safe and effective in revision knee arthroplasty**, Journal of Arthroplasty, Volume 28, Issue 8 Suppl, 112-5
10.1016/j.arth.2013.05.036
Number of Contributors: 5

Educational Research, Published, **Co-Author**
Beaulé PE, Matar WY, Poitras P, Smit K, May O, **2008 Otto Aufranc Award: component design and technique affect cement penetration in hip resurfacing**, Clin Orthop Relat Res., Volume 467, Issue 1, 84-93
Number of Contributors: 5

Clinical Research, Revision Requested, **Co-Author**
K. Khatchadourian, S. Zahanova, **Myositis and Lipogranuloma Secondary to Intramuscular Leuprolide Therapy in an Adolescent with Gender Dysphoria**, Journal of Pediatric Endocrinology and Metabolism

Clinical Research, Revision Requested
Geoffrey Wilkin MD FRCSC Mazen M Ibrahim MD/PhD Kevin Smit MD FRCSC Paul E. Beaulé MD FRCSC, **A Contemporary Definition of Hip Dysplasia and Structural Instability: Towards a Comprehensive Classification for Acetabular Dysplasia**, Journal of Arthroplasty

Clinical Research, Revision Requested
E. Kowalski, M. Lamontagne, P. Beaulé, **Muscle Activity in Individual with Symptomatic and Asymptomatic Femoroacetabular Deformity during a Deep Squatting Task**, American Journal of Sports Medicine

Book Chapters

Revision Requested
K. Smit, D. Sucato, **The Natural History of Congenital Scoliosis**, The Fifty Essential Articles that Every Spine Surgeon Should Know
Editors: A. Vaccaro, J. Wilson, C. Fisher

Paediatric Toe Fractures, POSNA Review Guide