

Schulich School of Medicine & Dentistry
Professional Curriculum Vitae
MAY 4, 2021

RYAN N KATCHKY
B.Eng, MD, FRCSC, MSc (QIPS)

Assistant Professor - Department of Surgery

PERSONAL SUMMARY

Name Ryan N Katchky

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EDUCATION AND QUALIFICATIONS

Degrees and Diplomas

2019 - 2020 **Master of Science (Quality Improvement and Patient Safety)**

University of Toronto, Institute for Health Policy, Management and Evaluation, Toronto, Ontario, Canada

2017 - 2018 **Clinical Fellowship in Paediatric Orthopaedic Surgery**

The Hospital for Sick Children, Toronto, Ontario, Canada

2012 - 2017 **Orthopaedic Surgical Residency,**

University of Toronto, Toronto, Ontario, Canada

2008 - 2012 **Doctor of Medicine**

Schulich School of Medicine and Dentistry, Western University, London, Ontario, Canada

2005 - 2012 **Bachelor of Engineering Science (Mechanical and Material Engineering)**

Western University, London, Ontario, Canada

APPOINTMENTS

Academic Appointments

- 2021 - present Assistant Professor, Department of Surgery, Division of Orthopaedic Surgery, Schulich School of Medicine & Dentistry, The University of Western Ontario
- 2021 - present Assistant Professor, Department of Surgery, Division of Paediatric Surgery, Schulich School of Medicine & Dentistry, The University of Western Ontario

Clinical Appointments

- 2021 - present Orthopaedic Surgeon, London Health Sciences Centre, Department of Surgery, Division of Orthopaedic Surgery

POSITIONS HELD & LEADERSHIP EXPERIENCE

Clinical Positions

2021 - present	Paediatric Orthopaedic Surgeon, Thames Valley Children's Centre
2020 - 2021	Locum Orthopaedic Surgeon and Surgical Assistant, Humber River Hospital
2019 - 2021	Locum Orthopaedic Surgeon and Surgical Assistant, William Osler Health Centre
2019 - 2021	Locum Orthopaedic Surgeon and Surgical Assistant, Niagara Health System
2018 - 2021	Paediatric Orthopaedic Surgeon, Boomerang Health Powered by SickKids, Toronto, Ontario, Canada
2020 - 2021	Medical Director, Boomerang Health Powered by SickKids, Toronto, Ontario, Canada
2018 - 2019	Clinical Associate Staff Surgeon, The Hospital for Sick Children, Toronto, Ontario, Canada

HONOURS AND AWARDS

Honours

Received

2017	POSNA International Paediatric Orthopaedic Symposium Case Presentation, Type: Distinction, International
2017	POSNA International Paediatric Orthopaedic Symposium Fellow Scholarship, Type: Research award, International
2017	R.I. Harris Award for best scholarly paper, University of Toronto Graduation Day, Type: Distinction, Local, Toronto, Ontario, Canada
2015	Ontario Centres for Excellence Voucher for Innovation and Productivity Program research grant, Ontario Centres for Excellence, Type: Research award, Provincial, Toronto, Ontario, Canada
2015	American Orthopaedic Foot and Ankle Society Resident Scholarship, Type: Research award, International
2013	Lawson Family Resident Research Grant, Type: Research award, Local
2012	Schulich School of Medicine Athletic and Extracurricular Award, Western University, Type: Distinction, Local
2012	Dr. Cindy M. Hutnik Award for excellence in student research, Western University, Type: Distinction, Local
2010	Lynda Diane Shaw Memorial Award for commitment to extracurricular activities, Type: Distinction, Local
2008	Delcan Corporation Scholarship in Engineering Science, Type: Research award, Local
2007	Canadian Representative for Goldman Sachs Global Leaders Program, Type: Distinction, Local
2006 - 2008	EMCO Scholarship for academic achievement and community involvement, Type: Distinction, Local
2006	Ontario Professional Engineers Scholarship for academic achievement, Type: Distinction, Local
2006	UWO Faculty Association Award for academic achievement, Type: Distinction, Local
2005 - 2008	The University of Western Ontario Dean's Honour List, Type: Distinction, Local

SERVICE AND ADMINISTRATION

Professional Affiliations and Activities

Professional Associations

Fellow, Royal College of Surgeons of Canada
Member, College of Physicians and Surgeons of Ontario
Member, Paediatric Orthopaedic Society of North America
Member, Canadian Paediatric Orthopaedic Group
Member, Canadian Orthopaedic Association
Member, Ontario Orthopaedic Association
Member, Canadian Medical Association
Member, Ontario Medical Association

Administrative Committees

National

Canadian Paediatric Orthopaedic Group

2019 - present **Member**, Education Committee

Local

London Health Sciences Centre

2021 - present **Member**, Improving Access to Care at the Thames Valley Children's Centre Cerebral Palsy Clinic - a Quality Improvement Initiative

2021 - present **Member**, LHSC Virtual Care Implementation

2021 - present **Member**, Minimizing Length of Stay for Postoperative Patients Requiring Spica Casts'

2021 - present **Member**, NSQIP Paediatric Quality Committee

2021 - present **Member**, Opioid Reduction Strategies in Paediatric Surgery - a Quality Improvement Project

2021 - present **Member**, Optimizing Virtual Care in the Paediatric Orthopaedic Outpatient Setting - a Quality Improvement Initiative

2021 - present **Member**, Surgical Quality Council

University of Toronto

2017 - 2018 **Member**, Orthopaedic Fellowship Committee

2014 - 2016 **Member**, Division of Orthopaedics Medical Education Committee

2014 - 2015 **Member**, Division of Orthopaedics Residency Curriculum Committee

2013 - 2015 **Member**, Division of Orthopaedics Residency Program Committee

RESEARCH AND SCHOLARLY ACTIVITIES

Research Endeavours

- 2021 - present Integrated Surgical Pathway: Improving Perioperative Pain Management and Prevention of Persistent and Chronic Pain in Children after Major Surgeries, Children's Hospital at London Health Science Centre
- 2021 - present Optimizing Virtual Care in the Paediatric Orthopaedic Outpatient Setting – a Quality Improvement Project, Children's Hospital at London Health Science Centre
- 2021- present Opioid Reduction Strategies in Paediatric Orthopaedic Surgery – a Quality Improvement Project
- 2021- present Improving Access to Care at the Thames Valley Children's Centre Cerebral Palsy Clinic - A Quality Improvement Initiative, Thames Valley Children's Centre, London, ON
- 2017 - present The Role for Proximal Fibular Epiphysiodesis when Performing Proximal Tibial Epiphysiodesis – a Retrospective Study, Hospital for Sick Children
- 2017 - present SCFE Longitudinal International Prospective (SLIP) Registry, Hospital for Sick Children
- 2017 - 2018 Cadaver Embalming Methods for Surgical Skills Training, Hospital for Sick Children/Mount Sinai Hospital
- 2015 - 2016 Predictors of Anaesthetic Type in Foot and Ankle Surgery, Toronto Western Hospital
- 2015 - 2016 Complications in Foot and Ankle Surgery with Spinal vs. General Anaesthetic, Toronto Western Hospital
- 2014 - 2016 Reducing Bacterial Adhesion to Orthopaedic Implants Using Thermal Cycling, Orthopaedic Biomechanics Laboratory, Sunnybrook Health Sciences Centre
- 2013 - 2014 Thermal Cycling: Can it Increase Tool Life in Orthopaedic Operating Rooms? Orthopaedic Biomechanics Laboratory, Sunnybrook Health Sciences Centre
- 2010 - 2012 Landmarks for Orientation of Anatomic Radial Head Prostheses, Hand and Upper Limb Centre Bioengineering Research Laboratory
- 2009 - 2012 Morphological Study and Contralateral Comparison of Proximal Radii, Hand and Upper Limb Centre Bioengineering Research Laboratory
- 2009 - 2012 Design of Anatomic Radial Head Implants, Hand and Upper Limb Centre Bioengineering Research Laboratory
- 2009 - 2012 Regional Variations in Radial Head Bone Density, Hand and Upper Limb Centre Bioengineering Research Laboratory
- 2006 - 2008 Research Assistant in the Field of Wound Care, Women's College Hospital, Toronto, ON

Prior Quality Improvement Projects

Clinic Flow Efficiency Initiative, Boomerang Health,

- Focused on decreasing clinic wait times, maximizing flow efficiency and minimizing errors in care and documentation
- Strategies include standardization of clinic processes, role definition, and establishing standards for timely care

Patient Preparation for Initial Consultations: A Quality Improvement Project, Boomerang Health

- Aimed at ensuring that patients/caregivers arrive at initial consultations with all relevant imaging, investigations and notes
- Strategies include redesign of appointment scheduling and confirmation process, and a focus on communication in patient/caregiver's first language.

Provider Advisory Committee, Hospital for Sick Children

- Committee developed to facilitate implementation of new Electronic Medical Record System
- Engages front-line providers to identify challenges and develops multidisciplinary solutions

Ambulatory Application Leadership Team, Hospital for Sick Children

- Committee developed to improve quality of patient care, coordination of care and patient safety through use of new Electronic Medical Record System
- Selected as surgical lead
- Collaboration with Children's Hospital of Eastern Ontario through Joint Ambulatory ALT

Telemedicine Implementation, Boomerang Health

- Integration of Ontario Telemedicine Network Home Video Visit Pilot Project into office practice
- Focus on improving access to care and minimizing patient travel

Development of an Osteoarticular Infection Pathway, Hospital for Sick Children

- Collaborating with a multidisciplinary team to optimize and standardize initial workup and management of patients with suspected osteoarticular infections in the Emergency Department

PUBLICATIONS

Peer Reviewed Publications

Journal Article

Published

1. Burns DM, Bell I, **Katchky R**, Dwyer T, Toor J, Whyne CM, Safir O. Saturated Salt Solution Cadaver-Embalming Method Improves Orthopaedic Surgical Skills Training. J Bone Joint Surg Am, 2018 Aug 1; 100 (15): e104, **Coauthor**, DOI: 10.2106/JBJS.17.01256.
2. Akens MK, Chien C, **Katchky RN**, Kreder HJ, Finkelstein J, Whyne CM. The impact of thermal cycling on Staphylococcus aureus biofilm growth on stainless steel and titanium orthopaedic plates. BMC Musculoskelet Disord, 2018 Jul 27; 19 (1): 260, **Coauthor**, DOI: 10.1186/s12891-018-2199-z.
3. **Katchky RN**, McLachlin SD, Wong EK, Finkelstein J, Kreder HJ, Whyne CM. Thermal cycling can extend tool life in orthopaedic operating rooms. J Orthop Res, 2016 Mar 1; 34 (3): 539-43, **Principal Author**, DOI: 10.1002/jor.23035.
4. Katchy R, Rofaiel J, Newmarch T, Rampersaud R, Lau J. Pre-operative patient and institutional factors influence anaesthetic type in foot and ankle surgery. Bone Joint J, 2016; 98-B (Supp 21): 26, **Coauthor**
5. Rofaiel J, **Katchky R**, Newmarch T, Rampersaud R, Lau J. Can pre-operative risk factors be used to predict unplanned admissions or readmission rates? A study of foot and ankle patients. Bone Joint J, 2016; 98-B (Supp 21): 25, **Coauthor**
6. **Katchky RN**, King GJ, Johnson JA, Athwal GS. The bicipital tuberosity and distal radius are unreliable landmarks for radial head implant alignment. J Shoulder Elbow Surg, 2013 Sep 1; 22 (9): 1242-7, **Principal Author**, DOI: 10.1016/j.jse.2013.02.013.
7. Haverstock JP, **Katchky RN**, Lalone EA, Faber KJ, King GJ, Athwal GS. Regional variations in radial head bone volume and density: implications for fracture patterns and fixation. J Shoulder Elbow Surg, 2012 Dec 1; 21 (12): 1669-73, **Coauthor**, DOI: 10.1016/j.jse.2012.07.002.

Book Chapter / Review Article

Published

1. Turner J, **Katchky R**, Gargan M, Monsell F. Genetic Disorders, Skeletal Dysplasias and Malformations. In: Blom A, Warwick D, Whitehouse M, editor(s). Apley's System of Orthopaedics and Fractures. 10th: CRC Press; 2017, **Coauthor**

Non-Peer Reviewed Publications

Newsletter Articles

Published

1. **Katchky R.**, Camp M. Flexible Nailing in the Management of Paediatric Femoral Shaft Fractures. Canadian Orthopaedic Association Bulletin. 2018 Apr, Spring Edition, **Principal Author**

TEACHING RESPONSIBILITIES

Postgraduate Medical Education

Courses

Instructor - Academic Half Day Seminars

2021 Apr 21	Management of Neuromuscular conditions for the Paediatric Orthopaedic Resident, Total Hours: 3
2021 Mar 31	A Practical approach to Paediatric Trauma, Total Hours: 3

OTHER ACTIVITIES

Other Noteworthy Activities

2019 - present	EDUCATE Intimate Partner Violence Program, Trainer and Champion
2018 - 2021	University of Toronto Medical School, Instructor, Central Clerkship Seminar
2018 - 2019	Canadian Medical Education Paediatric Orthopaedic Review Course, Instructor
2017 - 2018	Toronto Orthopaedics Boot Camp, Lead Instructor
2016 - 2021	Toronto Surgical Skills PREP Camp, Curriculum Development
2014 - 2017	University of Toronto, Division of Orthopaedics, Medical Student Skills Camp Developer and Instructor
2014 - 2015	University of Toronto, Resident-Led Undergraduate Education Contributor
2013 - 2017	Advanced Trauma Life Support, Instructor
2012 - 2014	Ontario Medical Students, Weekend Workshop Leader