

University of Calgary  
Cumming School of Medicine

**I. BIOGRAPHICAL DATA**

**II. ACADEMIC RECORD**

Final degree xxx

Date completed xxx

Specialty xxx

Institution/City/Country

**i. Undergraduate**

**ii. Special professional**

**iii. Graduate and post-doctoral**

**iv. Licensure, professional certifications and boards**

**v. Additional training, courses and certifications**

*(Abbreviated list - leadership & QI focused)*

- CMA Physician Leadership Institute - Communication, Team Engagement, Self-mastery
- LEADS 360° review
- Quality Improvement Fundamentals + Safety Culture Training
- Trauma-informed care and respectful workplace training

**III. PERSONAL IMPACT STATEMENT/NARRATIVE** *(optional)*

My career has focused on advancing patient safety, quality improvement, and health-system learning within pediatric critical care through sustained leadership and education. My work has strengthened clinical governance, improved safety practices, and supported high-quality learning environments for trainees and interprofessional teams.

A central contribution of my work is leadership in quality and safety governance. Through senior roles in institutional quality assurance and intensive care safety leadership, I have led structured morbidity review, serious safety event analysis, and performance monitoring processes that promote accountability and continuous improvement. In physician lead roles addressing infection prevention, device-related harm, pressure injuries, and unplanned extubations, I have contributed to protocol development and data-informed system improvement in high-risk clinical settings. This work has extended to broader pediatric safety initiatives and has been recognized through a Patient Safety & Quality Engagement Award.

I have also provided sustained program and operational leadership, including senior roles within extracorporeal life support programs, medical staff leadership, and advanced practice provider

integration. These roles have strengthened clinical operations, workforce integration, and system resilience, including during periods of operational strain.

Education is a core component of my impact. I deliver longitudinal teaching across undergraduate, postgraduate, faculty, and interprofessional contexts, including simulation, bedside teaching, and structured curricula. Key contributions include leadership of a PGY-1 Patient Safety Bootcamp and co-leadership of interprofessional error prevention training, building safety literacy, teamwork, and clinical competence early in training.

Collectively, my contributions represent a sustained body of work centered on patient safety, quality improvement, education, and system leadership, with demonstrable impact on learners, teams, and organizational performance, aligned with the mission of the Cumming School of Medicine.

#### **IV. AWARDS AND DISTINCTIONS**

- 2024 – Patient Safety & Quality Engagement Award
- 2015 – Pediatric Fellow Teaching Award
- 2012 – Abstract of Excellence, National Pediatric Cardiac Critical Care Conference
- 2011 – Chief Resident Award
- 2006 – Medical Honor Society Inductee (equivalent to AOA)

#### **V. APPOINTMENTS**

2025 Clinical Associate Professor  
Department XXX

#### **VI. EDUCATIONAL ACTIVITIES**

##### **i. Teaching & Instruction**

##### **Undergraduate / UME**

- **Pre-clerkship Mentorship & Clinical Shadowing**

- 5–8 hours per learner annually
- Individual mentorship and career coaching
- ~2 learners per year (2018–present)

- **Community-Based Mentorship Program**

- 6–10 hours per learner annually
- Coaching on career development and academic navigation
- ~1–2 learners per year (2021–2023)

##### **Graduate / Postgraduate Teaching**

- **Patient Safety & Quality Leadership Seminar — Instructor**

- 30 course hours/year + 20 hours preparation/assessment
- Hybrid format: lectures, case-based discussions
- ~20–25 graduate learners annually (2023–present)

- **Royal College Examination Prep (Pediatrics R4)**

- 8–10 hours per year
- Small group board exam review (critical care topics)
- ~10–12 residents annually (2018–2020)

## **Faculty & Peer Education**

- **Pediatric Transport Team Education - Physician Instructor**

- 6–8 hours per training session
- Simulation + procedural skills labs
- ~10–15 new staff per year (2016–present)

- **ICU Nursing Orientation & Continuing Education - Instructor**

- ~12–15 hours per year
- Didactic + bedside procedural teaching
- ~20–30 nurses per year (2016–present)

- **KidSim Outreach - Simulation Facilitator**

- ~15 hours/year
- Rural hospital simulation scenario delivery + debriefing
- ~50 learners across multiple sites annually (2017–present)

## **ii. Curriculum and Program Development**

- **PGY-1 Patient Safety Bootcamp — Developer & Lead**

- Annual 4–6 hour course
- Among first learning experiences for new residents
- ~10–12 residents per year (2021–present)

- **Error Prevention Training Curriculum — Co-Lead**

- ~20 hours annually (curriculum oversight + delivery)
- Interprofessional clinicians (nursing, allied health, physicians)
- ~50–70 learners annually (2019–present)

## **iii. Mentorship/Coaching/Supervision**

- **New PICU Faculty Mentorship**

- ~10–15 hours per mentee annually
- Teaching development & feedback coaching
- 1 new faculty per year (2021–present)

## **VII. ADMINISTRATIVE/SERVICE/LEADERSHIP**

### **i. Administrative and Leadership roles**

- Chair, institutional quality assurance council
- Co-Chair and founder, intensive care quality and safety council
- Medical lead, quality and safety
- Co-Director, extracorporeal life support program

- Interim medical director, extracorporeal life support program
- President, medical staff association
- Past President, medical staff association
- Vice President, medical staff association
- Physician lead, creation and facilitation of morbidity review process
- Physician lead, provincial child safety initiative
- Physician liaison and program developer for advanced practice provider integration
- Physician lead, patient safety and quality metric support during system surge

#### **Committees, Councils and Task Forces**

- Physician representative, child health provincial planning network
- Physician representative, child health area advisory council
- Physician representative, provincial child safety committee
- Physician representative, institutional quality council
- Physician member, site leadership council
- Physician member, patient experience and care committee
- Physician sponsor, family safety advisory council
- Member, serious safety event review committee
- Physician lead, surgical site infection committee
- Physician lead, pressure injury committee
- Physician lead, unplanned extubation committee
- Physician member, quality assurance committee
- Physician lead, central line–associated bloodstream infection committee
- Physician representative, clinical ethics committee
- Co-Chair, inter-unit education rounds
- Physician representative, inpatient advisory council
- Member, search and selection committee (multiple clinical divisions and leadership roles)
- Physician representative, complex airway committee

### **VIII. PROFESSIONAL ACTIVITIES**

#### **i. Membership in Professional Societies**

- Society of Critical Care Medicine
- Canadian Critical Care Society
- Extracorporeal Life Support Organization
- Canadian Medical Association
- Alberta Medical Association

## **ii. Professional Service**

- Representative — National Pediatric ICU Data Initiative
- Representative — National pediatric patient safety consortium
- Reviewer — Pediatric safety and clinical quality projects

## **IX. RESEARCH SUPPORT, FUNDING, AND INNOVATION**

(Recent, selected)

- 2024 – PI: Pediatric equity stratifier data collection - \$15,000
- 2023–2024 – Site PI: Multicenter PICU flow & ventilation liberation QI collaboratives
- 2023 – Team member: Improving complex care pathways - \$1.1M (Provincial Innovation Grant)

## **X. PRESENTATIONS**

- 2024 – Pediatric Grand Rounds - Patient Safety & QI updates
- 2023 – National multidisciplinary patient safety conference - Featured session

## **XI. PUBLICATIONS, KNOWLEDGE TRANSLATION AND CREATIVE PROFESSIONAL ACTIVITIES**

### **i. Peer-Reviewed Publications**

1. Hay RE, Martin DA, ... Guideline compliance in the PICU. *BMJ Open Qual.* 2024.
2. Hyland RJ, ... Ventricular fibrillation as first presentation. *J Am Heart Assoc.* 2020.
3. Evidence-based guideline compliance — Critical Care Canada Forum 2022
4. Formula preparation errors — AACC Conference 2021

### **iii. Book Chapters**

5. Communication in the ICU. *Pediatric Critical Care*, 8th Ed. 2024.

### **v. Professional and scholarly communications**

6. Pediatric resuscitation - update. *Curr Pediatr Reports.* 2013.