

University of Calgary  
Faculty of Nursing

**LAURIE LEE CURRICULUM VITAE**

**I. BIOGRAPHICAL DATA**

Laurie Lee  
Alberta Children's Hospital  
Pediatric Intensive Care Unit  
Alberta Children's Hospital, PICU  
28 Oki Drive NW, Calgary, AB T3B 6A8  
Office: 403 955 2560  
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Present Ranks:

Adjunct Clinical Associate  
Faculty of Nursing  
University of Calgary

Adjunct Lecturer  
Department of Paediatrics, Cumming School of Medicine  
University of Calgary

**II. ACADEMIC RECORD**

Final degree Masters of Nursing (MN)  
Completed June 2009  
Specialty Pediatric Nurse Practitioner  
University of Toronto, Toronto Ontario

- i. Undergraduate  
Bachelor of Science in Nursing (BScN) with Distinction  
Completed June 2001  
University of Alberta, Edmonton, Alberta
- ii. Licensure, certification and boards
  - Pediatric Nurse Practitioner Permission to Practice,  
College and Association of Registered Nurses of Alberta  
2009 to present
  - Registered Nurse Permission to Practice  
College and Association of Registered Nurses of Alberta  
2001 – 2009
  - Critical Care Pediatric Nursing Certification  
Canadian Nurses Association  
2008

**III. AWARDS AND DISTINCTIONS**

Innovation 4 Health – Best in Category, Primary Care – PICU Mobilization Cart, Awarded 2019

AHS Presidents Excellence Award for a Group in Quality Improvement – Delirium Improvement Initiative, Awarded 2019

#### IV. **ACADEMIC APPOINTMENTS**

Adjunct Lecturer, Department of Paediatrics, Cumming School of Medicine, University of Calgary

- 2020 to present

Adjunct Clinical Associate, Faculty of Nursing, University of Calgary

- 2018 to present

Advanced Practice Nursing Project Manager, PROSpect Study, School of Nursing, University of Pennsylvania

- 2018 to August 2020

#### V. **PROFESSIONAL EXPERIENCE**

Nurse Practitioner, Pediatric Intensive Care Unit, Alberta Children's Hospital, Calgary, Alberta

- 2009 to present

Graduate Nurse Practitioner, Pediatric Intensive Care Unit, Alberta Children's Hospital, Calgary, Alberta

- 2008 – 2009

Sister, Pediatric Intensive Care Unit, The Harley Street Clinic, London, UK

- 2007 – 2008

Senior Staff Nurse, Pediatric Intensive Care Unit, The Harley Street Clinic, London, UK

- 2006 – 2007

Registered Nurse, Intensive Care Unit, King Edward Memorial Hospital, Hamilton, Bermuda

- 2004 – 2006

Registered Nurse, Pediatric Intensive Care Unit, Stollery Children's Hospital, Edmonton, Alberta

- 2001 – 2004

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

##### i. Undergraduate

- Faculty with KidSim for providing Simulation Education to undergraduate medical and nursing students

##### ii. Postgraduate

- Monthly didactic teaching for all post-graduate medical residents rotating through the PICU at Alberta Children's Hospital
- Faculty with KidSim for providing simulation education to post-graduate medical residents

##### iii. Continuing Professional Education

- PICU Rounds – Responsible for presenting 1-2 times per year
- PICU Journal Club – Responsible for present 1-2 times per year
- PICU Annual Nursing and Respiratory Therapy Education days – Present annually
- PALS – Teach 2 courses annually
- KidSim Outreach – Provide outreach simulation-based education to multi-disciplinary team annually
- STEP Team – Instruct at all new orientation and ongoing education of PICU RN/RT led rapid response team
- Pediatric Critical Care Transport team – Instruct at new orientation and provide ongoing education related to pain management during transport

## VII. ADMINISTRATIVE RESPONSIBILITIES

**Director**, ACH PICU Research Committee. 2020 to present (Member 2009 to present). Oversee day-to day operations of research activities in our PICU. Co-ordinate and support funded research staff. Liaise with other hospital-wide, province/national wide research activities.

**Co-Lead**, Canadian Blood Services National Pediatric Donation and Transplant Initiative (2019 to Present) Work with leadership team to create steering committee, set vision and strategic direction, including National Pediatric Death Audit and National Environmental Scan on pediatric and neonatal donation and transplant programs.

**Member**, ACH Pain Committee 2016 to present

**Co-Chair**, ACH Organ and Tissue Donation Oversight Committee. 2016 to present. Oversee day-today operations of Organ and tissue donation at ACH. Ensure quality control and audit of organ and tissue donation process at ACH. Liaise with provincial and national organ donation organizations

**Chair**, ACH PICU Pain, Agitation and Delirium Committee, 2013 to present. Oversee and set vision and direction of Pain, Agitation and Delirium program in PICU at ACH. Identify gaps in care and develop strategies to implement changes. Oversee program evaluation, quality assurance and data collection. Liaise with provincial, national, and international organizations.

**Member**, Critical Care Strategic Clinical Network, Delirium Initiative Pediatric Steering Committee, 2013 to present

**Member** (Chair 2010-2011), ACH Code Blue Committee, 2009 to present

**Member**, ACH Advanced Practice Nursing Committee

**Member**, ACH Critical Care Transitions Working Group Steering Committee. 2016 – 2019

## VIII. PROFESSIONAL ACTIVITIES

- i. Membership in professional and learned societies
  - Canadian Association of Critical Care Nurses
  - Canadian Critical Care Trials Group
  - Canadian Intensive Care Society
  - Canadian Nurses Association
  - Canadian Society for Transplantation
  - Canadian Donation Transplant Research Program
  - Nurse Practitioner Association of Alberta
  - Nurse Practitioner Association of Canada
  - Pediatric Acute Lung injury and Sepsis Investigators

## IX. RESEARCH SUPPORT

**Co-applicant:** Project entitled “Child and parental Stress after ICU admission in families affected by neuro-critical illness.” Grant awarded by University of Calgary, Cumming School of Medicine, 2020 Transitions in Care Seed Grant Competition, \$4,500, 2 years, awarded April 2021

**Principal-investigator:** Project entitled “Restricted family presence in the PICU during the COVID-19 pandemic: Understanding impact, experience, and stakeholder priorities.” Grant awarded by Canadian Institutes of Health Research, Operating Grant: COVID-19 Research Gaps and Priorities, \$332,775, 2 years, awarded March 2021

**Principal-applicant:** Project entitled “Comfort holding in critically ill kids (CHiCKs): Family and health care professionals survey of current practice and attitudes in Canadian PICUs.” Grant awarded by The Canadian Critical Care Trials Group, Early Career Research Grant, \$25,000, 2 years. Awarded 2020.

**Co-applicant:** Project entitled “Restricted family presence in the PICU during the COVID-19 Pandemic: impact and experience of families and healthcare providers.” Grant awarded by the IWK Health Centre, IWK Project Grant, \$25,000, 1 year. Awarded 2020.

**Principle-applicant:** Project entitled “FAM-CAPD – Family assessment of pediatric delirium”. Grant awarded by the Alberta Children’s Hospital Research Institute, Shaikh Family Research Award, \$207,000, 3 years. Awarded 2020.

**Co-applicant:** Project entitled “Does the use of routine Melatonin in PICU patients improve sleep and decrease delirium?”. Grant awarded by Alberta Health Services Research Challenge, \$5000. Awarded 2019

**Co-applicant:** Project entitled “PROSpect: Pediatric and oscillation pediatric trial”. Grant awarded by the NIH, \$1,718,755. Awarded 2018. Ongoing funding pending.

**Co-applicant:** Project entitled “The road to recovery, assessing functional outcomes of pediatric critical care survivors”. Grant awarded by Department of Pediatrics, \$20,000. Awarded 2016

**Co-applicant:** Project entitled “SQUEEZE Trial: a trial to determine whether septic shock reversal is quicker in paediatric patients randomized to an early goal directed fluid sparing strategy vs. usual care”. Grant awarded by CIHR, \$1,941,831, 5 years. Awarded 2016

## X. INVITED ADRESSES

**Lee L, Hall S., Shanahan MC.** Comfort in pediatric critical care: a challenging new priority in the management of pediatric critical illness, May 2021, Online.

**Lee L, Mahoney M.** Pediatric Organ Donation. CACCN Dynamics in Critical Care, December 2020, Online.

**Lee L.** Taking Stock of PedsICU Nursing. Zoom Webinar November and December 2020

**Lee L.** Sedation and Delirium in Pediatrics. A year in review. Critical Care Canada Forum. Online November 2020

**Lee L.** Research Best Practices: Approvals, screening, consent and data collection. World Federation of Pediatric and Intensive and Critical Care Societies Taking Stock of Pediatric Research During a Global Public Health Emergency Webinar. July 2020.

**Lee L, Mahoney M.** Pediatric Organ Donation. CACCN Dynamics in Critical Care, September 2018, Calgary, Alberta

**Lee L.** Sick and Tired: Sleep importance in pediatric acute care. First, do no harm: A comprehensive program to minimize pain, agitation and delirium in the PICU at Alberta Children’s Hospital. Excellence in Pediatric Innovative Care, April 2018, Calgary, Alberta

**Lee L.** Shock in the Pediatric Patients. Calgary Nurse Practitioner’s Annual Conference, Sept. 2016, Calgary, Alberta

**Lee L, Koot D.** Advance Nursing Practice Support for Clinical Care Outreach: CNS and NP Transition and Collaboration. Advanced Practice Nursing Leadership Conference, March, 2016, Edmonton, Alberta.

**Lee L,** Shock in the Pediatric Patient. Dynamics in Critical Care, September 2010, Edmonton, Alberta.

## XI. PUBLICATIONS/PRESENTATIONS

### i. Journal publication

- Choong K, Zorko D, Awojoodu R, Ducharme-Crevier L, Fontela P, Lee L, Guerguerian A, Guerra G, Krmptotic K, McKelvie B, Menon K, Murthy S, Sehgal A, Weiss M, Kudchadkar S (2021) Prevalence of acute rehabilitation for kids in the PICU: A Canadian multicenter point prevalence study. *Pediatric Critical Care Medicine* 22(2): 181-193.
- Moradi J, Mikhail M, Lee L, Traube C, Sarti A, Choong K (2021) Lived experience of delirium in critically ill children: protocol for a qualitative study. *Pediatric Critical Care Medicine* 22(Supplement 1 3S):57-57
- Lee L, & Tobler K (2011) A multisource needs assessment for development of a pediatric rapid response team at a tertiary care children’s hospital. *Pediatric Critical Care Medicine* 12(3) Suppl, Sixth World Congress on Pediatric Critical Care: One World Sharing Knowledge A1-A182.

### ii. Presentations

- Moradi J, Mikhail M, Lee L, Traube C, Sarti A, Choong K (2020) Lived experience of delirium in critically ill children: protocol for a qualitative study. 10th Congress of the World Federation of Pediatric Intensive and Critical Care Societies, Virtual , December 2020 (poster presentation)

- Lee L. Comfort Holding in Critically Ill Kids (CHiCK) Study. First presentation of a new program of research. Canadian Critical Care Trials Group, Lake Louise, Alberta, January 2020. (oral presentation)
- Lee L, Nikitovic D, Kraft T, Kampman R, Bissett W, Doughty P. Implementation of a pain, agitation and delirium program in a PICU: Improved comfort and decreased exposure to opioids and benzodiazepines. Critical Care Canada Forum, Toronto, Ontario, November 2019. (poster and oral presentation)
- Lee L. Alberta Children’s Hospital pain, agitation and delirium prevention program. Alberta Children’s Hospital Quality Forum, Calgary, Alberta, May 2019. (oral presentation)
- Lee L, Nikitovic D, Kraft T, Kampman R, Bissett W, Doughty P. Alberta Children’s Hospital pain, agitation, and delirium prevention program. Alberta Children’s Hospital Quality Forum. Calgary, Alberta, May 2019. (poster presentation)
- Lee L, Bissett W, Doughty P, Hall S. Delirium in Critical Care, Little People get it too: Lessons Learned from a PICU. CACCN Dynamics in Critical Care, Calgary, Alberta, Sept. 2018. (oral presentation)
- Lee L, Bissett W, Grant K. Implementation of a Pain, Agitation and Delirium (PAD) Program in a Pediatric Intensive Care Unit at a tertiary care children’s hospital. Canadian Association of Pediatric Health Centers Annual Conference, Montreal, Canada, Oct. 2017. (poster presentation)
- Lee L, Parsons S, Libbey L (PICC 0352) Intubation success and complication rate by discipline: Is a team approach best? 8th World Congress in Pediatric Intensive and Critical Care, Toronto, Canada, June 2016.
- Lee L, Parsons S, Libbey S (PICC 0167) Improvement in endotracheal intubation success rates and reduction in complications in A pediatric intensive care unit through implementation of video laryngoscopy and an intubation Checklist.). 8th World Congress in Pediatric Intensive and Critical Care, Toronto, Canada, June 2016. (poster presentation)
- Lee L, Tobler K. A multisource needs assessment for development of a pediatric rapid response team at a tertiary Care children’s hospital. 6th World Congress on Pediatric Critical Care, Sydney, Australia, March 2011. (poster presentation)

## XII. SUPERVISION

- i. Undergraduate MD
  - Principle Supervisor, Joseph Lemire, MD, AEBM Research project, 2019-present
- ii. Postgraduate MD
  - Co-Supervisor, Alyse Schacter, MD, Paediatric Resident research project, 2020-present
  - Co-Supervisor, Christian Farrier, MD, Paediatric Resident research project, 2020-2021
- iii. Supervisory Committee Member
  - Nicole Gilbert, 09/2020 – present, MSc Epidemiology, Community Health Sciences
    - Thesis: TBD
- iv. Summer Student Supervision
  - Larissa Kelly, BScN Student, University of Calgary, Project title “PIV Access at Alberta Children’s Hospital” Funded by the Program for Undergraduate Research Experience - 05/2021 – 09/2021