



Hemodynamics and Targeted Neonatal Echocardiography (TNE) Fellowship program: University of Alberta

Our Program

The Northern Alberta Neonatal Program, University of Alberta is pleased to invite applications for the Neonatal Hemodynamics and TNE fellowship. The Neonatal-Perinatal and Pediatric Cardiology Program at the University of Alberta have been recognized as centers of Excellence in their fields. We believe that our TNE program would give the successful candidate a firm grounding in principles and clinical practice of echocardiography, advanced hemodynamic assessments and consultation that are required to practice in a tertiary care neonatal intensive care unit. The graduates of our program are now successful TNE neonatologists and colleagues in Canada and around the world.

The program has a successful internal and external collaboration model with National Hemodynamic Research Council (NHRC) and Point of Care in Ultrasound (POCUS) among others. We were also initial co-applicants of the Area of Focused competency (AFC) diploma for TNE accredited the Royal college of Physicians and Surgeons of Canada.

Training

The TNE fellowship affiliated with University of Alberta is a offered for individuals who have completed a traditional training in neonatology and have interest in the field of neonatal hemodynamics. In partnership with the Pediatric Cardiology team, trainees will be exposed to neonatal echocardiography with opportunity to observe fetal echocardiography as part of their training.

This is a two-year fully funded program with clinical service expectations as a departmental fellow. However, trainees will have protected time for the fellowship-related activities (non-clinical time). Trainees will be mentored by Neonatologists and Pediatric Cardiologists.

Training components include didactic education, scholarly project, and scans log. Trainees will get exposure to various types of cases ranging from extreme prematurity to term infants and PPHN fulfilling the future AFC diploma requirements.

Upon successful completion of the program, the trainee will independently perform, interpret, and integrate echocardiographic assessments with clinical and other evolving technologies like NIRS and provide a comprehensive hemodynamic plan for neonatal tertiary cardiovascular issues.

How to Apply

Applicants may express their interest in training by contacting Dr. Kumar Kumaran, the Hemodynamics and TNE program lead in Edmonton.

Interested applicants must have completed/completing a 2 year Clinical Neonatal-Perinatal medicine fellowship in Canada or equivalent and eligible for licensing with the College of Physicians and surgeon of Alberta (CPSA).



Applications should include a curriculum vitae and a letter of intent describing the candidate's suitability for training and their goals with an emphasis on how they plan to implement hemodynamics training as a part of their clinical and academic career plan, as well as 2 reference letters supporting the application. Candidates with funding support will be prioritized.

Applications should be submitted via email to:

Melissa Meaver

Program Administrator, Northern Alberta Neonatal Program, RAH Site

DTC 5027, 10240 Kingsway Ave, Edmonton, AB T5H 3V9

Melissa.meaver@ahs.ca, Tel: 780-735-5179 fax: 780-735-4072

Applications should be submitted no later than November 15th of the calendar year prior to the desired July start date [e.g., November 30, 2021, for a July 2022 start date] to allow adequate time for processing and licensure.

A short list of candidates will be offered an interview which may be conducted either in person or via zoom depending on the Candidate's preference.

Both successful and non-successful candidates will be notified in writing within 2-4 weeks of the interview date.

Our Team

- *Dr. Kumar Kumaran, Associate Clinical Professor, Staff Neonatologist*
- *Dr Lisa Hornberger, Professor, Staff Pediatric Cardiologist, Section Head Pediatric Echocardiography*
- *Dr. Abbas Hyderi, Assistant Professor, Staff Neonatologist*
- *Dr. Aimann Surak, Clinical Lecturer, Staff Neonatologist*
- *Dr Joseph Ting, Associate Professor, Staff Neonatologist*
- *Dawn Pepper, Neonatal Nurse Practitioner*
- *Dr. Eyad Bitar, Clinical Lecturer, Neonatal Clinical Associate*
- *Jill Larocque, Neonatal Nurse Practitioner*
- *Jennifer Mesch, Pediatric Echocardiography education coordinator*
- *Melissa Meaver, Administrative Support*

Resources

- **Neonatal-Perinatal Subspecialty Residency Program Handbook** [Program Handbook part 1 - Google Docs](#)