Advanced Neonatal Respiratory Care Fellowship
Division of Neonatology, Department of Paediatrics
University of Toronto & Mount Sinai Hospital
Toronto, Ontario, Canada

Program description:
The Advanced Neonatal Respiratory Care Fellowship is a one-year clinical and academic training program designed for Neonatal-Perinatal Medicine specialists seeking advanced expertise in neonatal respiratory care, innovation, quality improvement, education, and research.
Mount Sinai Hospital has developed a nationally recognized neonatal respiratory care program focused on improving outcomes for extremely preterm infants. Through the implementation of innovative respiratory management strategies, multidisciplinary collaboration, quality improvement initiatives, and clinical research, the program has successfully reduced reliance on invasive mechanical ventilation and improved respiratory outcomes among vulnerable newborns.

This fellowship is intended for physicians who aspire to develop expertise and leadership in neonatal respiratory care and contribute to the advancement of care for preterm infants nationally and internationally.

Fellowship Objectives

- Develop advanced expertise in neonatal respiratory physiology and respiratory management of extremely preterm infants.
- Provide specialized training in innovative respiratory support strategies, including invasive and non-invasive NAVA.
- Develop proficiency in neonatal lung ultrasound for respiratory assessment and management.
- Promote excellence in quality improvement, implementation science, and knowledge translation.
- Foster research skills through participation in respiratory-focused scholarly activities.
- Prepare future leaders in neonatal respiratory care, education, quality improvement, and research.

Clinical and Academic Experience
The successful fellow will have opportunities to:

Clinical Training

- Participate in the management of complex neonatal respiratory disease.
- Develop expertise in advanced invasive and non-invasive respiratory support strategies.
- Gain experience in individualized respiratory care planning for extremely preterm infants.
- Develop competency in neonatal lung ultrasound applications for respiratory management.
- Quality Improvement and Implementation Science
- Play a central role in ongoing respiratory quality improvement initiatives within the NICU.
- Contribute to the development, implementation, and evaluation of respiratory care protocols and guidelines.

Research

- Participate in existing neonatal respiratory care research program projects.
- Develop skills in study design, data analysis, scientific writing, and knowledge translation.
- Complete at least one primary scholarly project suitable for presentation and publication.

Leadership and Education

- Work within a multidisciplinary team including neonatologists, respiratory therapists, nurses, and allied health professionals.
- Participate in educational activities for trainees and healthcare professionals.
- Develop leadership skills in program development and clinical innovation.

Eligibility Requirements

- Have completed an accredited Neonatal-Perinatal Medicine fellowship program or international equivalent.
- Be eligible for educational licensure with the College of Physicians and Surgeons of Ontario.
- Demonstrate a strong interest in neonatal respiratory care, quality improvement, education, and/or research.
- Have completed scholarly work during previous subspecialty training.
- Be in good standing with current or previous training programs.
- Canadian and international applicants are welcome to apply.

Application Requirements

- Curriculum Vitae, including contact information for three references
- A letter outlining career goals and reasons for pursuing the fellowship
- Two letters of reference (including one from the current or most recent program director). One reference letter must be from the supervisor of a completed (or ongoing) scholarly project during previous training, if applicable.
- Copy of your medical degree (translated into English or French if applicable)
    - *Medical degrees issued in Latin do not require translation. All other non-English or non-French documents must be accompanied by certified translations from one of the following:*
    - ***www.physiciansapply.ca*** *(Translation Bureau of Public Works and Government Services Canada)*
    - *A Certified Member of the Association of Translators and Interpreters of Ontario (ATIO)*
        - *To find a certified translator: https://atio.on.ca/*
    - *A certified member of an equivalent provincial/territorial translator association in Canada*
    - *A Canadian embassy overseas or a foreign embassy/consulate in Canada authorized to certify translations*
    - *A medical school–issued translation, dated, stamped, and received directly from the institution along with the original-language document*

- Copy of your subspecialty certificate (translated into English or French if applicable)
    - *This certificate is required for licensing through Ontario medical authorities. If the College of Physicians and Surgeons of Ontario does not accept the certificate, the application cannot proceed.*

Please note that applications missing any required documents cannot be processed. Our selection committee will review completed applications, and shortlisted candidates will be contacted for an interview. Virtual interviews may be arranged for applicants unable to attend in person.

Submission Deadlines:

- For July 2027 intake: **Application deadline is November 20, 2026**
- All application documents should be sent to: **mshpeds.fellowship@sinaihealth.ca** Electronic submission is preferred; however, mailed, or faxed applications will be accepted if necessary. Our Fax number is 416-586-8745. Our address: Mount Sinai Hospital – Department of Paediatrics – 600 University Avenue, Suite 19-231 Toronto, Ontario M5G 1X5

Interested applicants are welcome to reach out to request an informal meeting to further discuss this opportunity with the NICU respiratory care program leaders.

If you have any questions or require additional information, please contact:
mshpeds.fellowship@sinaihealth.ca

We look forward to receiving your application.