

# APRIL NEWSLETTER

Saskatchewan Respiratory Therapy Education Committee



## *Neonatal Lung Ultrasound*

**IN AN EFFORT TO COVER ALL AREAS OF RESPIRATORY THERAPY WE WILL BE FOCUSING ON NEONATAL LUNG ULTRASOUND THIS MONTH**

- Point-of-care lung ultrasound (POCUS) has gained significant interest within the respiratory therapy profession
- The top barriers to performing POCUS were the lack of a formal curriculum and limited device availability
- POCUS, although commonly used in clinical practice, is not currently included in training programs for RTs. Given its ubiquity and clinical utility, RTs around Canada are changing their mandates to incorporate POCUS into their daily patient assessment
- POCUS is a non-invasive, radiation-free, portable bedside tool able to rapidly diagnose or rule out life-threatening conditions, guide invasive procedures, and assess the effects of various therapies
- Lung ultrasound has played an important role in the identification and differential diagnosis of various neonatal pulmonary disorders
- RRT performed POCUS service utilization improved and guided the clinical management of neonatal patients
- Please check out our linked resources for more information on the topic and details on how to perform lung ultrasound

WHAT DO YOU CALL A SHIFT  
WHERE ALL YOUR PATIENTS  
ARE ON ROOM AIR?  
UN-E-VENT-FUL

**SOCIAL MEDIA HIGHLIGHT:**  
[@NEOPOCUSCOLLAB](#)

WE ARE EXCITED TO ANNOUNCE  
MICHELLE HOLODNIUK, RRT  
WILL BE PROVIDING A  
RECORDED WEBINAR ON  
NEONATAL LUNG  
ULTRASOUND FOR US LATER  
THIS MONTH. STAY TUNED  
FOR DETAILS ON OUR  
WEBSITE AND INSTAGRAM

# *Educational Resources*

## NEONATAL LUNG ULTRASOUND

### ARTICLE RESOURCES

- [The Impact of Respiratory Therapist Performed Point-of-Care Lung Ultrasound on the Respiratory Care in Neonates, Manitoba Experience, Canada](#)
- [Point-of-care ultrasound training for respiratory therapists: A scoping review](#)
- [Application of ultrasonography in neonatal lung disease: An updated review](#)
- [The Predictive Value of Lung Ultrasound Scores in Developing Bronchopulmonary Dysplasia](#)
- [Lung Ultrasound in the Neonatal Intensive Care Unit: Does It Impact Clinical Care?](#)

### SUMMARIES & GUIDELINES

- [Protocol and Guidelines for Point-of-Care Lung Ultrasound in Diagnosing Neonatal Pulmonary Diseases Based on International Expert Consensus](#)
- [nicupocus.com](#)

If you're having difficulty accessing the articles SHA Library Services is a great resource available to all SHA employees. Feel free to contact them to setup a library card number to obtain off site access.

### VIDEO RESOURCES

- [Protocol and Guidelines for Point-of-Care Lung Ultrasound in Diagnosing Neonatal Pulmonary Diseases Based on International Expert Consensus](#)
- [International Expert Consensus and Recommendations for Neonatal Pneumothorax Ultrasound Diagnosis and Ultrasound-guided Thoracentesis Procedure](#)
- [Clinical Applications of Lung Ultrasound in the NICU](#)
- [Lung ultrasound in the newborn - Basic review](#)

### PODCASTS

- [Exploring the Power of Point of Care Ultrasound in the NICU](#)
- [Abacadabra! Making POCUS Appear in the NICU \(Dr. Lauren Ruoss\)](#)
- [Partnerships for Better POCUS Use in Neonatology](#)

### WEBINARS

- [CSRT E Conference RRTs & Lung Ultrasound Putting the US in POCUS](#)
- [CSRT Webinar Point of Care Testing Lung Ultrasound](#)
- CSRT Webinar: "Point of Care Neonatal Lung Ultrasound" on June 19, 2025. More info in our Google Calendar



**Reminder to check out our Google Calendar linked under the 'resource' tab on our website for upcoming webinars and educational opportunities this month**

**As we navigate being a new committee we would love to hear any feedback you may have**

**Please feel free to contact the Saskatchewan Respiratory Therapy Education Committee at [saskrtec@gmail.com](mailto:saskrtec@gmail.com) or reach out to our committee members directly**