Dear Physicians,

On behalf of Dr. Sharon Mulvagh, I would like to introduce **the Accelerated Remote Cardiopulmonary Tele-POCUS by Augmented Intelligence In COVID-19 Assessment (ARCTICA) study.**

This study has two main parts:

Part A: learning POCUS skills via

- Virtual education models
- One online teaching session
- Practical tests on a volunteers (friends and family members)

Part B. integrating acquired POCUS skills into routine patient care using the Reacts app and a Lumify device

- Obtain verbal consent from your patients to include a tele-pocus session with your usual physical exam.
- Conduct 6-10 tele-pocus consultation calls (minimum 3 for heart, 3 for lung) with a local POCUS expert who will provide assistance with image acquisition and diagnosis.

We will do our best to coordinate participation, some important stages to keep in mind are the following:

- **Stage 1**: Independent review of POCUS education modules and practice. A Philips Lumify device will be signed out to you for one week to learn and practice POCUS on friends / family members.

- **Stage 2**: Attend a virtual training session hosted by a POCUS expert at the QEII, (delivered through the Reacts platform).

- **Stage 3**: Perform a 15 min practical assessment with a POCUS expert via Reacts

- **Stage 4**: Complete 6-10 tele-POCUS consultations with experts during your usual patient exams: a minimum of 3 calls for cardiac ultrasound, and 3 calls for pulmonary ultrasound.

- **Stage 5**: Perform a 15 min post-study practical assessment, the same as the first one, after which you will return the Lumify device.

If you are interested in participating, please call the **Research Coordinator, Rachel Hemsworth, at 902-473-1531**.