

Comparative Efficacy Study: 1D vs 2D Doppler Ultrasound for Continuous Non-Invasive Hemodynamic Monitoring

Study Purpose

We are studying the efficacy of 1D Doppler ultrasound for continuous, non-invasive hemodynamic monitoring among healthy volunteers and comparing it to data obtained using 2D Doppler ultrasound (Emory Study ID: STUDY00009451)

What You Will Do

All procedures are non-invasive with minimal risk. The investigators will obtain non-invasive Doppler ultrasound measurements of various vascular structures (Right internal jugular vein, R carotid artery, portal vein, hepatic vein, inferior vena cava) while: 1) Sitting upright at 30-45 degrees, 2) Lying supine (flat on back) with legs raised.

Time Commitment: Approximately 60-90 minutes. **Compensation:** \$100 via Emory ClinCard.

Location: Emory University Hospital

Eligibility Requirements

You may be eligible if you:

- Are 18 years of age or older and have no significant cardiac or pulmonary medical issues
- Can lie flat on your back comfortably for 30 minutes

You are NOT eligible if you have:

- Any cardiovascular or pulmonary conditions
- Are pregnant or could be pregnant
- Cannot tolerate lying flat for extended periods

If interested, please goto the eligibility questionnaire at this QR code. Please email PI Sharaf Khan M.D. (skhan90@emory.edu) for any questions regarding the study.

