



GIVING CIRCLE
Proposal Summaries
Tues, Oct 1st, 2024

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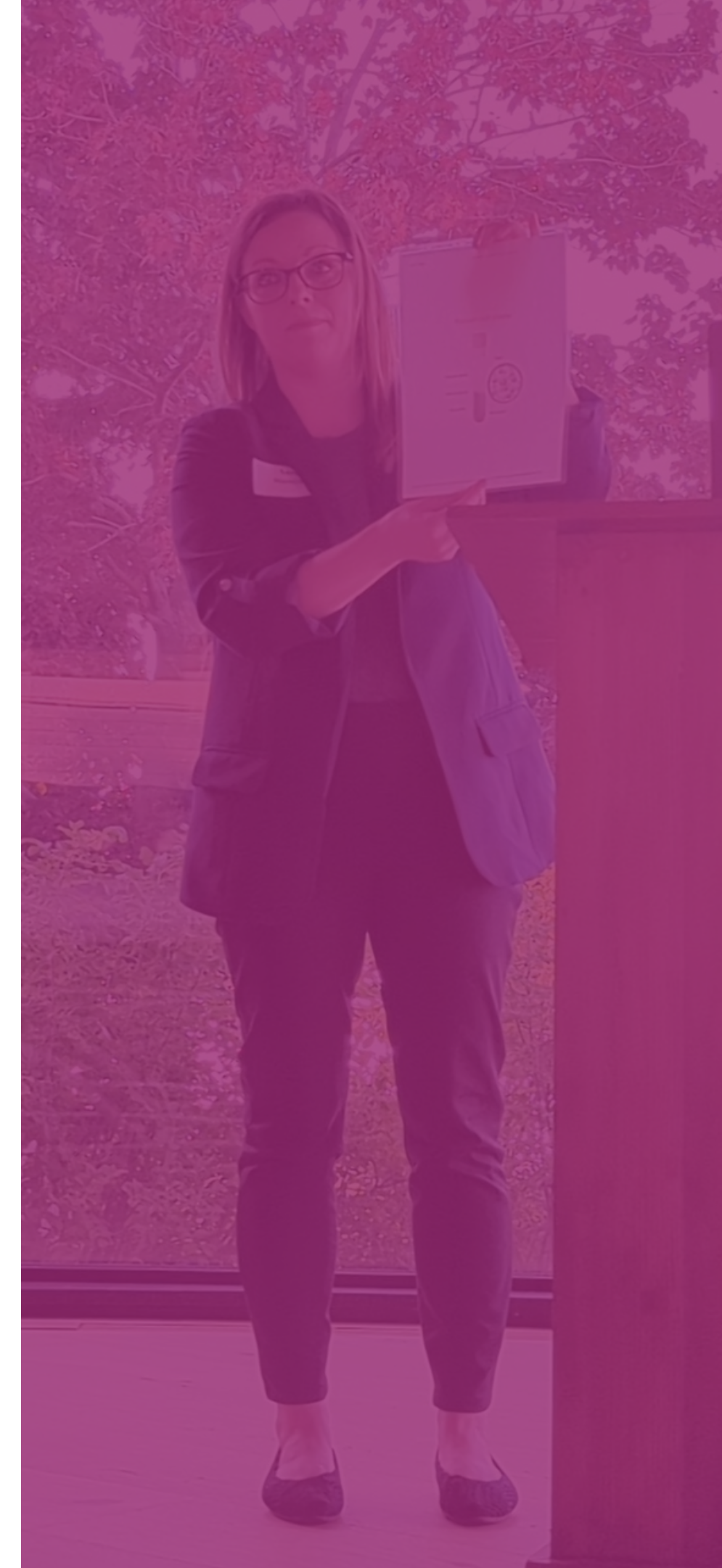
OSMOMETER
PRESENTERS - SARAH HAMILTON, LAB MANAGER
TOTAL ASK \$48,100

Diagnosing and monitoring more patients with on-site testing and timely results.

Osmo testing is a valuable tool used to diagnose several clinical conditions by evaluating the body's water balance and its ability to produce and concentrate urine. Osmo testing is used to investigate low sodium levels (hyponatremia), which is a common condition seen in CGMH patients, as well as detecting the presence of toxins in the body and monitoring active drug therapies used to treat cerebral edema.

CGMH currently does not offer Osmo testing; each year 260 tests go to RVH, with a turn around time of up to 30 hours. By offering this testing onsite, we will be able to provide timely results, monitor the effectiveness of treatment, and ultimately improve patient care in both the Emergency Department and inpatient units.

Automation reduces turnaround times and the workload for Medical Laboratory Technologists; a critical need as we face a national shortage of MLTs.





ULTRASOUND PROBE
PRESENTER - JAMEY GILROY, MANAGER
DIAGNOSTIC IMAGING & ECHOCARDIOGRAPHY
TOTAL ASK \$22,955

Better patient outcomes: Augmenting and enhancing specialized breast imaging.

With the introduction of the OBSP Breast Assessment Program, in 2023, and the pending Fall 2024 expansion of the Mammography OBSP program to include women ages 40-49, the ultrasound program is set to experience its own expansion in breast assessment imaging and diagnostics. The ultrahigh frequency probe will augment and enhance our abilities for specialized breast imaging, decreasing the number of patients requiring biopsies and ensuring continued success of our Breast Imaging Programs.

The probe offers exceptional resolution with high-frequency imaging crucial for detailed visualization of breast tissues for the identification of fine anatomical details and subtle pathological changes that lower-frequency probes might miss. With advanced diagnostic capabilities and improved accuracy, the clarity and detail of images will enable more precise assessments of breast abnormalities, including differentiating between benign and malignant masses, while also guiding biopsies and other procedures ensuring precise targeting of lesions prior to surgical intervention.

Early Detection: With enhanced imaging capabilities, the probe facilitates the early detection of breast cancer and other conditions, leading to more effective treatment plans and better patient outcomes.





ORSIM BRONCHOSCOPY SIMULATOR
PRESENTER - DR. MARK BONTA,
INTERNAL MEDICINE SPECIALIST
TOTAL COST: \$33,400

Enhancing patient safety and quality of care with more proficient and confident healthcare providers.

The ORSIM Bronchoscopy Simulator is a cutting-edge virtual reality training device that allows medical professionals to practice bronchoscopy procedures in a realistic and immersive environment, particularly those required in the ICU. Its realistic simulations allow ICU staff to practice complex airway management and therapeutic interventions in a risk-free environment, leading to improved procedural accuracy, patient safety, and quality of care.

The ORSIM simulator improves the proficiency and confidence of clinicians in performing bronchoscopies, ultimately enhancing patient safety and care quality. This advanced simulation allows doctors to practice navigating complex airway anatomy, handling emergencies, and performing therapeutic interventions, leading to enhanced diagnostic accuracy, procedural efficiency, and patient safety. The department of internal medicine is eager to share the simulator with other departments to improve physician proficiencies and provide improved quality care to patients.

This innovation not only enhances individual clinician competence but also promotes a culture of excellence and high standards of patient care throughout CGMH.





SIMULATION DEBRIEF HARDWARE
PRESENTER: DR. JESSE GUSCOTT, SIMULATION PROGRAM
DIRECTOR & JESSICA METHERAL, RESPIRATORY THERAPIST
TOTAL ASK: \$29,618

Optimizing performance and patient care in a medical crisis.

This complete audio video solution will allow our hospital training room to be converted into a state-of-the-art simulation suite. The cost includes hardware that allows for both audio and video observation of the simulation space. It will also allow for implementation of video debriefing.

This project is intended to improve patient care in all departments involved in acute medical crises. The A/V equipment will allow us to create a more realistic simulation environment by moving the simulation team into a separate physical space. This will also allow us to implement video debriefing, allowing participants and learners to use video recording of the simulations to enhance their understanding of the many factors required for optimal performance in crisis.

The CGMH simulation program continues to be among the most innovative simulation programs in Ontario, if not Canada. It is extremely rare to find well-funded, well-staffed, experienced simulation teams in rural hospitals.

CGMH leads as a destination for medical learners and practicing health care practitioners who travel to our site for enhanced training.





ENDOSEE ADVANCE
PRESENTER: DR. SUSAN O'TOOLE, OBSTETRICIAN
TOTAL ASK \$6,800

See and know instantly: Advancing the clinical evaluation and treatment of uterine disorders

Abnormal bleeding in women can be from many causes. In menopause, bleeding is never normal. Approximately 20% of the time premalignant or malignant changes can be present. Therefore all postmenopausal bleeding, even a single spot, needs to be examined with a diagnostic hysteroscopy; a direct visualization of the endometrial lining and cavity.

While this is currently done in an Operating Room under general anaesthesia, the introduction of the Endosee Advance will allow the evaluation of the endometrial cavity, right in ambulatory care with local anaesthesia placed comfortably and directly at the cervix. By doing this in ambulatory care, women will have quicker and easier access to this procedure and reduce the need for intervention in the operative suite and risk of general anaesthesia.

The Endosee Advance also comes with attachments to allow direct biopsy of abnormal lesions or removal of polyps.

