

Student Lab Guide: Health Simulation Labs

Diagnostic Cardiac Sonography Addendum

11.0 Permitted Activities and Student Scope

Laboratory activities are designed to support student learning and skill development within a safe, supervised educational environment. Students may perform assigned, non-invasive transthoracic echocardiography examinations and simulation-based activities using approved ultrasound equipment and BOB cardiac ultrasound simulation systems under faculty supervision.

Students are **not permitted to**:

- Initiate, access, or manipulate intravenous lines.
- Prepare, handle, or administer Definity® or any other medication, contrast agent, or injectable substance.
- Perform agitated-saline bubble studies.
- Perform transesophageal echocardiography (TEE) or stress echocardiography procedures.
- Access Accuro, Synapse, KCC desktops, clinical worklists, or KCC patient health records.
- Scan KCC clinic patients as part of student laboratory activities.
- Operate laboratory equipment or access KCC laboratory spaces outside of scheduled learning activities or without faculty supervision.

Students will use College-approved laptops and the designated educational ViewPoint environment for image review, documentation, and reporting. All reports, observations, and findings generated through laboratory activities are educational in nature and must not be represented as clinical interpretations, diagnostic reports, or medical opinions.

12.0 Kawartha Cardiology Clinic: Emergency and Incident Response Procedure

In addition to the Health and Safety requirements outlined in Section 10.0, students are responsible for adhering to all applicable Kawartha Cardiology Clinic (KCC) policies, procedures, and emergency response protocols.

If a participant becomes unwell or requires assistance during a laboratory activity, students must immediately stop the activity, remain with the participant, and notify the supervising instructor. Students must not independently diagnose, provide medical advice, administer medications, or transport participants.

The supervising instructor will assess the situation and determine the appropriate course of action, including activation of KCC emergency procedures or contacting emergency medical services (911), if required. Students are expected to follow faculty direction and may be assigned specific roles, such as retrieving emergency equipment, assisting with scene management, guiding emergency responders, or providing factual information about the incident.

Students must immediately report any of the following to faculty:

- Participant illness, injury, or medical concern.
- Student injury, illness, exposure, or accident.
- Damaged, malfunctioning, or unsafe equipment.
- Electrical hazards, faults, or equipment-related incidents.
- Spills, fluid exposure, or contamination involving equipment or laboratory spaces.
- Privacy, confidentiality, or information security breaches.
- Lost or misplaced equipment, records, or participant information.
- Near misses, safety concerns, or unsafe conditions.

All incidents, injuries, and safety concerns must be reported promptly, regardless of severity. Students must not conceal, alter, delete, or attempt to independently resolve or document an incident without faculty guidance. Accurate and timely reporting is essential to maintaining a safe learning environment and supporting appropriate follow-up actions.

13.0 End of Session Procedures

Before leaving the Cardiology Lab, students are responsible for ensuring the laboratory space, equipment, and participant information have been appropriately managed and secured.

Students must confirm that:

- All participants have been formally released by faculty.
- Ultrasound systems, transducers, ECG leads, blood pressure equipment, BOB simulation equipment, examination tables, and other high-touch surfaces have been cleaned, disinfected, and returned to their designated locations.
- Ultrasound systems have been safely parked, with brakes engaged and cables properly secured.
- BOB simulation equipment has been powered down, stored correctly, and checked to ensure all components and accessories are accounted for.
- College-issued laptops have been logged out of all applications, including ViewPoint, and returned with chargers and other assigned accessories.
- No participant information, images, reports, notes, passwords, or identifying information remain visible, unsecured, or stored inappropriately.

- Waste, linens, gel, and other supplies have been disposed of, replenished, or managed according to established laboratory procedures.
- Floors, hallways, exits, and emergency equipment remain unobstructed and accessible.
- Any equipment malfunctions, incidents, injuries, participant concerns, privacy breaches, safety concerns, or near misses have been reported to faculty.

Document Revision Information

Version	Date	Amendment	Author
1.0	Aug. 2026	Original	SM