

SOP Number :	205.02
Title :	Emergency Code Blue Procedure

Revision Chronology			
Version Number	Effective Date	Review Date	Reason for Change
205.01	August 3, 2021	January 21, 2022	Initial Version
205.02	January 24, 2022	January 10, 2023	Facility Name Change

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Director Signature

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Date

## 1. Scope

This SOP describes the procedure to be followed in the event of a code blue in the CenTRI facility.

## 2. Procedures

### a. CODE BLUE - Adult Cardiac Arrest

- The CenTRI facility has hospital code blue coverage which does NOT extend into the hallways, office areas, or other laboratories surrounding the facility. In the event of an emergency in any other area please contact campus police at 911. A code blue is specifically defined as an adult cardiac arrest. The code team is dispatched through LHSC hospital switchboard and directed to the appropriate suite (CT, AG, or DT) if they are notified of a code blue emergency.
- The equipment operator at the time of the incident is responsible for following the emergency code blue procedures set out in this SOP. If the equipment operator is somehow compromised, one of the experimental support personnel must follow the procedure. This procedure is very explicit and is posted in the angiography, CT, and digital tomosynthesis suites, on the wall above the “Code Blue” buttons shown in Figure 1.

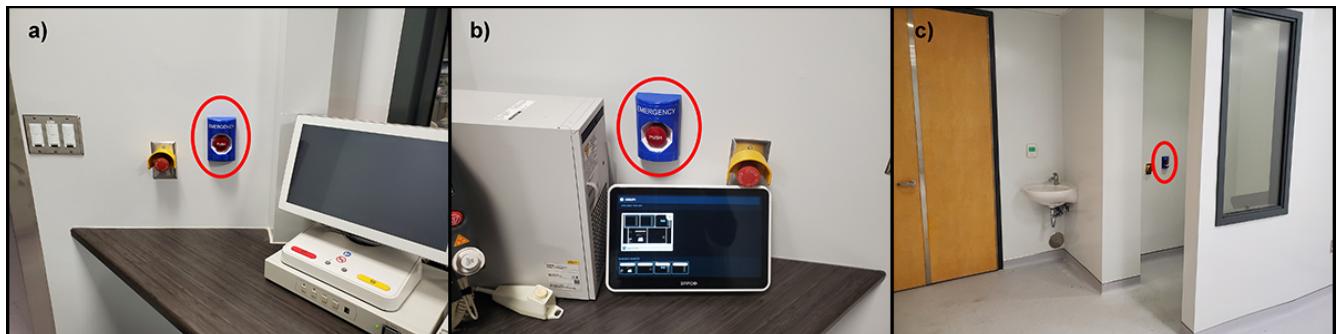


Figure 1: “Emergency Code Blue” Buttons in the CT (a), angiography (b), and digital tomosynthesis (c) suites.

- There are three “Code Blue” buttons located within CenTRI. One is located on the wall, left of the CT console in the CT suite, on the wall to the right of the angiography operator console, and the other is located on the back wall of the operator console in the digital tomosynthesis suite. All buttons are shown in Figure 1 above.

- The signs of a cardiac arrest are all the following collectively:
  - The person is not reactive
  - The person is not breathing
  - The person does not have a pulse
- If someone within the CenTRI facility is showing signs of cardiac arrest, the emergency code blue procedure must be followed as set out in **Section B** below.

### b. Emergency Code Blue Procedure

- Dial **55555** – Inform the Switchboard Operator “We have an adult (or “pediatric” for children) code blue at Robarts Research Institute, in the Insert appropriate radiographic suite here and room number”.
- The room numbers are as follows: angiography – 1253, computed tomography – 1254, digital tomosynthesis – 1255, weight-bearing CT – 2253, and radiostereometric analysis – 2251.
- The code team will need to obtain access to the building – press the “Code Blue” button next to the equipment’s operator consoles in the angiography, CT, or digital tomosynthesis. This button will activate a beacon outside of the respective suite., shown in figure 2.



Figure 2: Code blue beacon located outside the doors of the angiography, CT, and tomography suites.

- This will allow the code team access through the 1st floor link between University Hospital and Robarts for a 10-minute period. Robarts security, and Western campus police will also be notified. **Please note that the depression of this button does not unlock the security doors to the corresponding suite.**
- Any successive presses of the “Code Blue” button will extend the unlocked period by 10 minutes from the time of the second press.
- If possible, have someone wait by the link access doors for the code team to arrive. You may want to get help (if possible) from other lab members who are nearby at this time.
- In the CT suite, use the outermost foot pedal to remove the patient from the gantry or use the couch top emergency release lever to slide the patient out of the gantry manually in emergency situations.

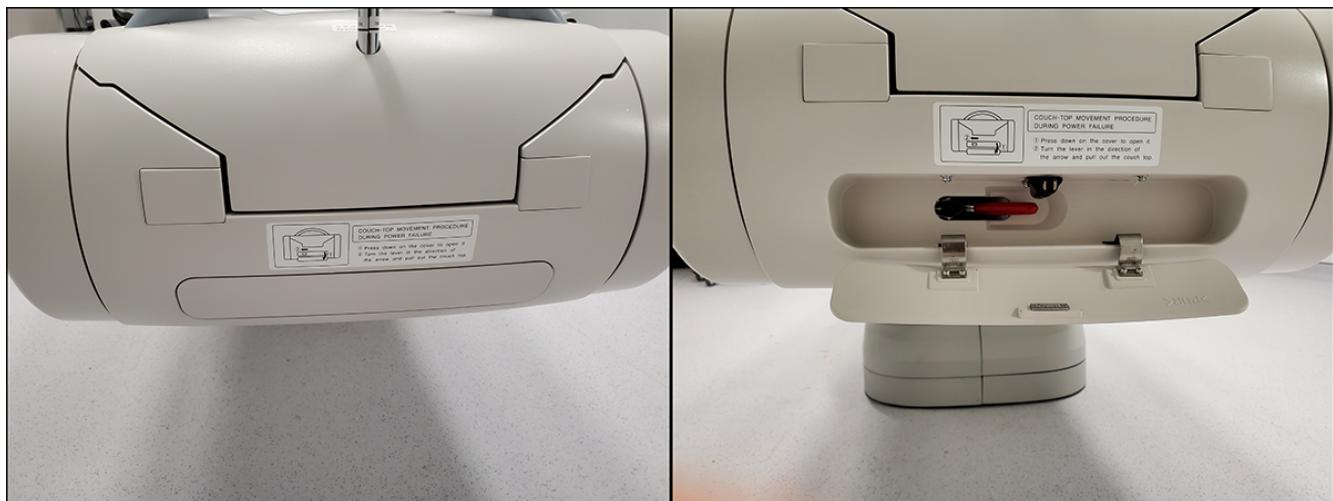


Figure 3: Magnetic door for couch top emergency release lever

- In the angiography suite, use the Hyper Handle to slide table into an appropriate position to perform CPR.
- If on the 2nd floor, bring that crash cart into the console room. The crash cart is located just outside the main 3T suite door.
- If on the 1st floor, the crash cart is located in the CFMM MR suite.
- Apply first responder principles to the patient until the code team arrives.
- Utilize the AED located outside the main 3T suite door (2nd floor) when indicated (Fig 2.4).

- Only trained personnel can utilize this equipment.
- Do not perform mouth-to-mouth resuscitation; use the ambu bag provided on the cardiac arrest cart by placing the narrow end of the mask over the person's nose and the wide end over the chin.
- If required, lower the bed using the pedals located at the foot end to apply first responder principles.
- Notify the CenTRI facility manager, or facility director **immediately** following the incident. The facility staff must then file an appropriate Robarts incident report of the situation, and the UWO HSREB must be notified of the occurrence of a Serious Adverse Event.

**c. Robarts Research Institute Accident/Incident Investigation Report**

- This form can be accessed at [http://www.uwo.ca/hr/form\\_doc/health\\_safety/form/aiir.pdf](http://www.uwo.ca/hr/form_doc/health_safety/form/aiir.pdf).
- Paper copies are available at the back of section 8 of the CenTRI SOP Binder.