

NHS Lothian

Cardiac Arrest / Medical Emergency Standardised Operational Procedure

St John's Hospital

1. **Function:**
To provide a rapid and co-ordinated response to any cardiac arrest or medical emergency within the St John's Hospital site.

2. **Procedure:**
 - 2.1 In the event of cardiac arrest or medical emergency, a member of staff dials the emergency telephone number '2222' and states: "**cardiac arrest**" or "**medical emergency**" followed by the location (ward/department and hospital/site). This message must be repeated once.
 - 2.2 In the event of a paediatric emergency, a member of staff dials the emergency telephone number '2222' and states: "**paediatric emergency**" followed by the location (ward/department). This message must be repeated once.
 - 2.3 In the event of an obstetric emergency, a member of staff dials the emergency telephone number '2222' and states: "**obstetric emergency**" followed by the location (ward/department). This message must be repeated once.
 - 2.4 On receiving a 2222 call, the switchboard operator will initiate the appropriate emergency group call via the pager system. This will alert the members of the team simultaneously.
 - 2.5 The type of emergency and location will be stated by a verbal message from the pager. This message is repeated once.
 - 2.6 If the message from the pager is unclear, the team member should call 2222 to confirm the nature and location of the emergency.
 - 2.7 Members of the team must then proceed immediately to the location of the emergency.
 - 2.8 It is the responsibility of each team member to pass the pager to a replacement member when going off duty.
 - 2.9 If a cardiac arrest / medical emergency occur out with the main building, e.g. in the car parks, then **999** should be called and the emergency managed using the current resuscitation guidelines until the arrival of the ambulance service.

3. **Test calls:**
Weekly Emergency Group Tests are carried out; full details are available from switchboard. On testing, the switchboard operator will give the verbal message "**Emergency Group Test**" please reply to switchboard on xxxxx. On receiving this message each pager holder will contact the switchboard operator on the number given as soon as possible to confirm that the test has been received successfully.

4. **Cardiac Arrest / Medical Emergency team:**
Group 33: Cardiac Arrest / Medical Emergency
Group 34: Anaesthetic Emergency
Group 35: Obstetric Emergency

Group 44: Paediatric Emergency – Children’s Ward

Group 45: Paediatric Emergency – all area’s except Children’s Ward

Full details of the current Cardiac Arrest / Medical Emergency Team members can be obtained from Switchboard.

5. **Equipment:**

- 5.1 A standard set of resuscitation equipment is held in every ward / clinical area.
- 5.2 A standard set of paediatric resuscitation equipment is held in the Children’s Ward.
- 5.3 A paediatric grab bag is stored in ICU, and will be collected by the ODP if it is required.
- 5.4 An intra-osseous drill (EZIO) kit is held in the following locations: A&E, ITU, HDU Medicine, HDU Surgery (ENT), Theatres/Theatre Recovery, Ward 11 and Labour ward.
- 5.5 End Tidal CO2 portable device (EMMA) are held in the resuscitation trolley’s in Wards: 9, 18, 19A, 21, MAU & 25
- 5.6 LUCAS Automated chest compressor is held in HDU Medicine on charge in specialist rucksack.
- 5.7 An emergency grab bag is situated in the front door Porterage / Security booth with an automated external defibrillator (AED), 2 sets of defibrillation pads and basic airway adjuncts.
- 5.8 If an emergency occurs at the Front Door area the Porter collects the grab-bag from the security booth along with the AED.

6. **Transfers from One Clinical Area to another:**

If a Medical Emergency /Cardiac Arrest occurs during a patient’s transfer:

- 6.1 The member of staff with the patient must attempt to get the patient to the nearest clinical area and begin resuscitation.
- 6.2 The clinical area will then alert the 2222 team following the procedure as section 2, above.

7. **Pager System Failures:**

- 7.1 Switchboard will contact the telecoms manager on call who in turn will contact Multitone.
- 7.2 Switchboard will contact: Site Co-ordinator, Medical team lead and Porters.
- 7.3 Switchboard and Site co-ordinator will allocate mobile phones to priority areas:
 - Medical Registrar
 - Anaesthetist
 - Theatres
 - Paediatrics
 - Plastic Surgery
 - Obstetrics + Gynaecology
 - Psychiatry
 - ENT

- 7.4 A complete telecoms failure would be addressed under the Major Incident Policy.