

Paediatric Organ Donation Simulation Course – Generic Outline

Course Brief: An interactive one-day overview of paediatric organ donation in the UK for the multidisciplinary team (standardised course across the UK). This course can be integrated with a general E-o-L (End-of-Life) care / advanced communications course.

Aims:

1. To give a broad overview of paediatric organ donation and the notification process, recognising when to notify the SNOD (Specialist Nurse for Organ Donation), and the subsequent discussions to be had with families. Emphasis on notification at the earliest opportunity; how to work with the SNOD and manage conversations with parents and families collaboratively.
2. Gain practical skills in collaborative working: to organise huddle to assemble E-o-L care team, plan E-o-L discussions including offering OD as an option for E-o-L care, and subsequent request for a decision regarding organ donation.
3. To appreciate the different types of OD.
4. To learn about the diagnosis of death by neurological criteria in newborns and older children and how to perform these tests, including rationale and 'red flags'.
5. To discuss the challenges potentially faced in paediatric OD: donor optimisation, length of process, when donation is not possible or cannot go ahead, donation in neonates.

Who can attend: Open to all members of the MDT in paediatrics and neonates (doctors, nurses, allied health professionals, family support workers, psychologists), theatre staff, SNODs and Specialist Requestors. Consider opening course to professionals in other clusters/regions.

Faculty: Involve regional paediatric Clinical Leads for Organ Donation (CLODs) and regional paediatric SNODs. At least one faculty member should have attended the national deceased donation SIM course or the Child and Infant Deceased Donation (CIDD) Leadership course.

Number of courses to be run throughout the year: to be decided locally.

Advertising: on NHSBT website and SharePoint; social media platforms; emails to trainees via educational leads; regional Health Education England websites; RCPCH, BAPM and PCCS sites.

Potential layout of the day (timings to be determined locally)

Ideally the day will consist of 2 main components:

- A. Introductory lectures and discussions - setting the scene, covering key points to aid effective simulation scenarios to take place
- B. Simulation scenarios with actors: consider longer scenarios with breaks for discussion versus shorter scenarios with debrief at the end

Also include a parent story – before break and consider group work if opportunity to provide simulations is limited

A. Introductory lectures and discussion

Recommended topics and format:

1. Paediatric OD in the UK – where are we at present?
 - An overview of paediatric OD in the UK, key facts & figures
 - Touch on 2019 OD strategy (education & teaching outcome)
2. What to do when a potential donor is identified, who to contact and the role of specialist nurses in organ donation (SNODs SRs)
3. Recommend that a SNOD talks through a scenario / case presentation to help demonstrate key points to delegates.
4. Types of OD – DBD and DCD. Strongly recommend using videos on the diagnosis of death in infants and children on the ODT website. A visual aid will also break-up the lecture-format, hopefully optimising learning for the candidates, *OR* – using a mannequin to demonstrate how to diagnose death by neurological criteria
5. Discuss potential challenges in neonatal and paediatric OD: donor optimisation, length of process, when donation is not possible or cannot go ahead, donation in neonates

B. Simulation Scenarios

1. DCD Scenario

Part a) Going through a case from arrival in A&E/PICU through to discussions about poor outcome. Focus on notification, initial discussions with family regarding poor prognosis, planning and approach with SNOD/SR, planning WLST, managing length of process

Part b) WLST, confirmation of circulatory death, theatre logistics

Part c) Feedback as a group

2. DBD Scenario (or workshop with demonstration)

Performing brainstem death testing

Part a) Explain to family about the testing, consider issues that may arise during discussion with family e.g. reason for doing tests, option to witness testing, need to perform two sets, acceptance of BSD

Part b) Carry out the testing, confirming death using neurological criteria, optimise cardio-pulmonary support prior to retrieval surgery (either discuss optimisation only for non-specialist audience or make it part of scenario for more experienced audience).

Part c) Feedback as a group

C. Parent Story (videos are available)

Links to online resources:

[Families who donated their loved one's organs and/or tissue - NHS Organ Donation](#)

['My newborn son - the organ donor' - BBC News](#)

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