

# Paediatric Advanced Cadaveric Trauma Surgery (PACTS) Course for Surgeons

## Fresh Frozen Cadavers

### Newcastle Surgical Training Centre

**November 23<sup>rd</sup> & 24<sup>th</sup> 2023**

**12 CPD points**

**Do you work in a Major trauma centre? Would you be confident to take a child straight to theatre with life-threatening traumatic haemorrhage? Could you cope with a mass casualty incident like the 2017 Manchester concert bombing? Have you attended a trauma course that takes you beyond the basics of ATLS/APLS?**

We started by taking the adult cadaveric trauma course and tailored it for children's surgeons - but we all know that for major trauma to be successfully managed in the operating room that surgeons, anaesthetists and theatre nurses need to work - and train - together! We have used the same principles that the British Defence Medical services used to train theatre teams prior to deployment. For each table there will be an anaesthetist, surgeons and one scrub practitioner - together they will learn how to deal with crash thoracotomies, laparotomies and major bleeding using scenarios to guide the operative principles.

#### COURSE OVERVIEW

This course is a two day hands on cadaveric operative workshop for surgeons, anaesthetists and theatre nurses likely to be involved in the operative management of major trauma in children. We combine team decision making and communication under pressure with operative techniques.

The operative techniques focus on management of truncal and junctional zone injuries. The lectures, discussions and case studies explore the principles of damage control surgery in children, working in multi-specialty surgical teams and the human factors of managing under extreme pressure. Experience is shared from military and humanitarian surgeons as well as recent major incidents in the UK.

It is aimed at consultants and ST8 and above in paediatric surgery, orthopaedics, plastics and neurosurgery or trauma surgeons with an adult practice who may treat children in an emergency, as well as paediatric anaesthetists and theatre nurses. We encourage entire theatre trauma teams to attend together

Intensive two-day course  
High faculty to participant ratio  
Faculty includes paediatric orthopaedic and vascular surgeons  
Interactive instruction  
Course dinner and all refreshments included

#### COURSE WILL COVER

Damage control resuscitation & surgery  
Managing exsanguinating haemorrhage  
Traumatic cardiac arrest  
Penetrating trauma  
Clamshell thoracotomy  
Pericardial tamponade and penetrating cardiac injuries  
Management of zone 1 to 3 neck injuries especially with regard to vascular injuries  
Trauma laparotomy and abdominal packing  
Management of liver injury  
Laparostomy  
Damage control approach to vascular injuries  
Fasciotomies  
Paediatric major trauma case scenarios  
Human Factors lectures & decision making under pressure  
Lessons from the Ariana Grande concert bombing



*Feedback: 'I loved the safe sharing of mental models of trauma care, with an emphasis on maintaining team performance - really the best course I have been on world wide for this.'*

*'Just like to thank all the team who make this course possible as it has made me feel more prepared for what could occur when a major trauma happens. The course was so enjoyable from start to finish'*

*'I strongly recommend this course to all paediatric surgeons. Excellent faculty, real-world videos and great teaching!'*

**100% of participants would recommend this to a colleague**



**Course fees for this should be met by your Trust if you work in an MTC.** Please speak to Suren Arul for more information ([suren.arul@nhs.net](mailto:suren.arul@nhs.net)) or to book places please call (0191 2231 264) or e mail the Newcastle Surgical training centre ([nuth.nstc.enquiries@nhs.net](mailto:nuth.nstc.enquiries@nhs.net))  
Website <http://www.nstcsurg.org/courses/paediatrics/paediatric-trauma-course.aspx>