



Royal College
of Surgeons

ADVANCING SURGICAL CARE



THE ROYAL
COLLEGE OF
SURGEONS
OF EDINBURGH

Definitive Surgical Trauma Skills (DSTS)

The Royal College of Surgeons of Edinburgh

Course Programme

Course Directors

Professor Mansoor Ali Khan

Mr Morgan P. McMonagle

Course Programme

Day One	
0800 – 0815	Faculty meeting
0800 – 0815	Registration and refreshments
0815 – 0830	Introduction and themes
0830 – 0910	Damage Control Philosophy
0910 – 0945	Review of thoracic trauma
0945 – 1100	Practical: Thoracic trauma 1 Penetrating chest injury Finger thoracostomies Left anterolateral thoracotomy Clamshell thoracotomy Repair of cardiac injuries
1100 – 1115	Refreshments
1115 – 1230	Practical: Thoracic trauma 2 Hilar injuries Pulmonary injuries Superior mediastinum Closure and drains
1230 – 1300	Lunch
1300 – 1330	Principles of vascular trauma Vascular trauma Vascular control and dissection Vascular damage control Junctional zone injuries Endovascular techniques and REBOA
1330 – 1500	Practical: Penetrating neck injuries Trauma airway Management of penetrating neck injuries Median sternotomy and control of arch vessels
1500 – 1515	Refreshments
1515 – 1700	Practical: Thoracic outlet and upper limb injuries Subclavian artery injuries Axillary artery injuries Brachial artery injuries Forearm fasciotomy
1700 – 1715	Discussion and feedback
1715 – 1730	Finish / faculty meeting

Day Two	
0815 - 0830	Registration and refreshments
0830 – 0945	Ballistics
0945 – 1100	<p>Practical: Lower limb trauma</p> <p>Ileo-femoral injuries</p> <p>Popliteal injuries</p> <p>Principles of tourniquet use</p> <p>Shunting techniques</p> <p>Lower limb fasciotomy</p> <p>External pelvic binding</p> <p>Extraperitoneal pelvic packing 1</p>
1100 – 1115	Refreshments
1115 – 1230	Practical: Lower limb trauma continued
1230 – 1300	Lunch
1300 – 1330	Trauma Laparotomy
1330 – 1615	<p>Practical: Abdominal – pelvic trauma</p> <p>Trauma laparotomy and damage control</p> <p>Supraceliac control of the aorta</p> <p>Extraperitoneal pelvic packing 2</p> <p>Approach to abdominal organ injuries:</p> <ul style="list-style-type: none"> • Spleen • Liver • Renal • Small and large bowel <p>Retroperitoneal injuries:</p> <ul style="list-style-type: none"> • Right medial visceral rotation and IVC injuries • Retrohepatic IVC injury • Left medial visceral rotation and aortic injuries • Visceral aortic injuries <p>Temporary abdominal closure</p> <p>Stage II damage control surgery</p>
1615 – 1630	Refreshments
1630 – 1730	Discussion and summary scenarios
1730	Finish / faculty meeting