

Damage Control Orthopaedic Trauma Surgery

Day 1

Time	Session
0815 – 0830	Faculty meeting
0830 – 0845	Introduction
0845 – 0900	Lecture: Lessons from war
0900 – 0930	Lecture: Damage Control concepts
0930 – 1015	Demonstration: Crew resource management DCR/DCO simulation
1015 – 1030	Refreshments
1030 – 1140	Practical Open tibia – principles of debridement Primary haemorrhage – tourniquet use Excise, extend, explore – clock face system Application of tibial external fixator to RIGHT TIBIA Perform 4 compartment fasciotomy
1140 – 1255	Practical Open distal LEFT femoral with vascular impairment/bleeding Different approach to arterial bleeding vs arterial insufficiency Haemorrhage control options – limitations of tourniquet use Demonstration of vascular anatomy Spanning external fixator across knee Priorities, eg control vessel, fasciotomy, shunt, exfix, definitive repair Temporary vascular shunt to femoral artery
1255 – 1345	Lunch
1345 – 1405	Lecture: Thoracic injury
1405 – 1505	Practical Rib plating
1505 – 1520	Refreshments
1520 – 1630	Practical Clamshell thoracotomy Shoulder/neck junctional haemorrhage control: control of bleeding at the shoulder girdle
1630 – 1645	Wrap up

1645 – 1700 Faculty meeting

Day 2

Time	Session
0815 – 0830	Registration and refreshments
0830 – 0835	Introduction Reflection on day 1 and introduction to day 2
0835 – 0855	Lecture: Damage Control concepts
0855 – 0935	Interactive session: Early appropriate care (EAC) and decision making
0935 – 0950	Refreshments
0950 – 1120	Practical Distal humerus fracture with brachial artery injury and compartment syndrome Management priorities in the polytrauma patient including use of tourniquet Brachial artery exploration Review forearm compartment anatomy Two incision forearm fasciotomy Spanning external fixator LEFT elbow The mangled hand (discussion)
1120 – 1215	Lecture: when things go bang – blast and ballistics injuries
1215 – 1315	Lunch
1315 – 1530	Practical Pelvic bleeding: binder application – self/cadaver Extraperitoneal pelvic packing Pelvic Exfix application Exposure and control of iliac vessels
1530 – 1600	Refreshments and wrap up How this course has changed you, and other reflections