

Module Specification

Module Summary Information

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| 1 | Module Title | Trauma and Advanced Life Support |
| 2 | Module Credits | 20 |
| 3 | Module Level | 5 |
| 4 | Module Code | PAR5015 |

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| 5 | Module Overview |
| <p>The need to think independently and critically is paramount to providing a safe and effective service to patients; especially in challenging circumstances. This module aims to allow you to explore, develop and practice the skills necessary to respond effectively and professionally to complex and high pressure situations.</p> <p>The module will enable you to further develop your clinical knowledge and skills gained within level 4 of the programme, in respect of a more 'in-depth' assessment, diagnosis and management of a range of life-threatening cardiac arrest and traumatic conditions. You will become familiar with the principles of advanced life support and acquire the advanced practical skills necessary to manage these presentations.</p> <p>A variety of teaching and learning methods will be used throughout this module, these include, keynote lectures, simulation and skills, action learning, problem based learning, group tutorials, directed and self-directed study. Where appropriate sessions will be supported in the planning and delivery by the faculty Centre of Excellence in Posture, Movement & Handling team.</p> <p>A thematic approach to learning will allow the integration of different subject areas with the concept of caring for patients. This will be supported by use of the Faculty's Virtual Learning Environment (VLE) / Moodle.</p> | |

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| 6 | Indicative Content |
| <p>Decision making and the evidence base behind spinal immobilisation Multi-system trauma Trauma Pathways Medicines management within trauma Inc fluid management TXA / Oxygen and Pain Relief ALS (Adult, paediatric and neonatal) Trauma assessment model and Trauma ALS algorithm Needle Cricothyroidotomy Chest Decompression Intraosseous Access IV Access Sub Cutaneous, Intra Muscular and Per Rectum Drug Administration Routes Capnography and Capnometry in trauma</p> | |

Slips, Trips and Broken Hips
 Traumatic amputation and the decisions to amputate, crush and suspension injury
 Assisting the CCP workshop
 Surgical Airway
 Chest drain / bilateral thoracotomy
 Paediatric and Neonate ALS practical
 Adult and Paediatric Intubation skills session
 Immersive trauma and ALS
 OSCE preparation

| 7 | | Module Learning Outcomes |
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| On successful completion of the module, students will be able to: | | |
| | 1 | Identifies appropriate approaches to systematic assessment in complex and unpredictable situations, ensuring safe working practices. |
| | 2 | Analyses complex and unpredictable trauma presentations and independently initiates appropriate evidence based care with the ability to assist specialist practitioner/s when necessary. |
| | 3 | Demonstrates safe and appropriate practice across the range of clinical skills required. |
| | 4 | Demonstrate safe, appropriate and effective advanced life support. |

| 8 | | Module Assessment | | |
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| Learning Outcome | | | | |
| | | Coursework | Exam | In-Person |
| 1-4 | | | | x |

| 9 | | Breakdown Learning and Teaching Activities |
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| Learning Activities | | Hours |
| Scheduled Learning (SL) includes lectures, practical classes and workshops, peer group learning, Graduate+, as specified in timetable | | 40 |
| Directed Learning (DL) includes placements, work-based learning, external visits, on-line activity, Graduate+, peer learning, as directed on VLE | | 60 |
| Private Study (PS) includes preparation for exams | | 100 |
| Total Study Hours: | | 200 |