

**Emergency Medicine HST Teaching Programme 2024 - 2027**

Date	System / specialty	Clinical Presentations	Conditions / Issues
<b>Session 1</b> <b>20/08/24</b> <b>RLUH</b>	<b>Cardiology 1</b>	Chest pain Breathlessness	Acute coronary syndromes Myocardial infarction Cardiac failure Cardiac tamponade Congenital heart disease Diseases of the arteries, including aortic dissection Diseases of myocardium Hypertensive emergencies Pericardial disease
	<b>Practical procedure</b>	Pericardiocentesis	
<b>Session 2</b> <b>03/09/24</b> <b>Alder Hey</b>	<b>Neonatal Emergencies</b>		Delivery and resuscitation of newborn Neonatal sepsis Cyanotic / non-cyanotic congenital heart disease Jaundice Feeding patterns
<b>Session 3</b> <b>01/10/24</b> <b>Warrington</b>	<b>Trauma</b> MINORS DAY	Limb and joint injury	Compartment syndrome Limb and joint injury including bony, musculo-tendinous and complications  Pain relief options Sedation
	<b>Practical procedures</b>	Procedural sedation in adults and children  Fracture / dislocation manipulation  ED management of major haemorrhage – Splints (e.g. pelvic sling, traction splint)	
<b>Session 4</b> <b>05/11/24</b> <b>Aintree</b>	<b>Neurology 1</b>	Acute confusion Headache Seizures / status epilepticus Speech disturbance Visual disturbance Weakness / paralysis Dizziness and vertigo  Unconsciousness	Botulism Cerebral venous thrombosis Functional illness Guillain-Barre syndrome Meningitis / encephalitis MS Myasthenia gravis Seizures (epileptic, non-epileptic) Peripheral neuropathy SAH Tetanus CNS tumours VP shunts Wernicke's encephalopathy

<b>Session 5</b> <b>03/12/24</b> <b>Whiston</b>	<b>Mock Exam</b>	SBA paper OSCE	
<b>Session 6</b> <b>21/01/25</b> <b>COCH</b>	<b>Pharmacology and poisoning</b> TOXICOLOGY	Medication side-effects / interactions Overdose Accidental poisoning	Overdose Poisoning Toxidromes Antidotes Batteries, household chemicals, poisonous plants  Prescribing in pregnancy
	<b>Leadership webinar</b> <b>OR Management in tray exercise</b>	Title TBC	
<b>Session 7</b> <b>04/02/25</b> <b>RLUH</b>	<b>Infectious diseases</b>	Fever Pyrexia in travellers Sepsis Needlestick injury / exposure to blood borne viruses Sepsis	Influenza Infection in immuno-compromised patients Infestations Notifiable diseases PUO Malaria HIV  Exposure to infections during pregnancy, e.g. chickenpox
<b>Session 8</b> <b>04/03/25</b> <b>Wirral</b>	<b>Surgical Emergencies 1 – General, Upper GI and Breast</b>	Abdominal pain Abdominal swelling / mass GI bleeding Nausea / vomiting	Appendicitis Biliary colic Bowel obstruction Breast abscess Cholangitis Cholecystitis Hernias Ischaemic bowel Pancreatitis Viscous perforation
	<b>QI methodology + QIP presentations</b>	Approx 1 hour devoted to QI methodology  Up to 1 hour for QIP presentations	

<b>Session 9</b> <b>01/04/25</b> <b>Southport</b>	<b>Elderly Care</b>	Delirium Deterioration in mobility Falls Fragility fractures Frailty Hypothermia Incontinence Increasing care needs Memory loss Unsteadiness / balance disturbance	Comprehensive geriatric assessment Acute confusion Ceiling of care / end of life care Dementia Fragility fractures Mobility Osteoporosis Pharmacology considerations in the elderly
<b>Session 10</b> <b>06/05/25</b>	<b>Alder Hey</b>	Paeds resus  Paeds MSK (non-traumatic)  Paeds trauma  Paeds surgical emergencies  Safeguarding & psychosocial emergencies in children	BRUE SUDIC protocol  Torticollis Limping child Osteochondritis  Salter-Harris classification  Intussusception  Self-harm in children and adolescents Concerning presentations
<b>Session 11</b> <b>03/06/25</b> <b>Leighton</b>	<b>Environmental emergencies</b>		Heat stroke and exhaustion Drug-related hyperthermias Hypothermia and frost bite Decompression sickness Near-drowning Radiation exposure and safety Industrial chemical accidents Bites and envenomations typical in the UK High altitude emergencies – cerebral and pulmonary oedema Acid attacks
	<b>Leadership webinar</b>  <b>OR Minor injuries</b>	TBC	
<b>Session 12</b> <b>01/07/25</b> <b>Whiston</b>	<b>Trauma:</b> <b>Burns, inhalational injury, wounds</b>	Burns Inhalational injury Wounds	Electrical burns Infection – fingers and hand Animal bites inc. human
	<b>Support, supervise, educate</b>	Delivering a teaching session Delivering feedback	

<b>Session 13</b> <b>19/08/25</b> <b>AUH</b>	<b>ENT 1</b>	ENT foreign bodies ENT injuries Epistaxis Hearing loss Painful ear Sore Throat Vertigo	Epiglottitis Glandular Fever LMN facial nerve palsy Meniere's disease Nasal fractures Otitis externa Otitis media Pharyngitis Tonsillitis Peri-tonsillar abscess Salivary gland disease Vestibular neuritis
	<b>Practical procedure</b>	ED management of major haemorrhage - Nasal packing	
	<b>Manage and administer</b>	In-tray exercise	
<b>Session 14</b> <b>02/09/25</b> <b>Wirral</b>	<b>Gastroenterology inc hepatology</b>	Abdominal and loin pain Abdominal swelling / mass Ascites Constipation Diarrhoea Haematemesis & melaena Jaundice Anal pain & pr bleeding Nausea and vomiting Dysphagia	Alcohol-related liver disease inc withdrawal Decompensated cirrhosis Functional bowel disorders GI infections Hepatitis IBD Peptic ulcer disease
<b>Session 15</b> <b>07/10/25</b> <b>Warrington</b>	<b>Obstetrics and Gynaecology</b>	Pelvic pain Vaginal bleeding Pregnancy Genital injury /assault Vaginal discharge Foreign bodies Patient in labour	Ante-partum haemorrhage Bleeding in early pregnancy Ectopic pregnancy Genital injury / FGM HELLP Menorrhagia Pre-eclampsia / eclampsia Pelvic infection Post menopausal bleeding Sepsis in and following pregnancy Trauma in pregnancy OHSS Emergency delivery Resuscitative hysterostomy (covered on skills days for practical skills)

<b>Session 16</b> <b>04/11/25</b> <b>RLUH</b>	<b>Haematology</b>	Anaemia Bruising and spontaneous bleeding Massive haemorrhage	Anti-coagulant reversal DIC Haemophilia ITP Leukaemia Lymphoma Marrow failure Sickle-cell disease / crisis Transfusion reactions  Rhesus D prophylaxis
	<b>Decision making/leading the shift</b>	Scenarios and how to manage them as shift lead. Decision making	
<b>Session 17</b> <b>02/12/25</b> <b>Whiston</b>	<b>Mock exam</b>	SBA paper OSCE	
<b>Session 18</b> <b>20/01/26</b> <b>COCH</b>	<b>Urology</b>	Dysuria Injury to bladder, urethra, testes or penis Urinary retention Testicular pain / swelling Loin pain Haematuria	Epididymo-orchitis Renal stone disease Phimosis / paraphimosis Priapism Testicular torsion Prostatitis UTI / pyelonephritis  Injury to bladder, urethra, testes or penis
	<b>Leadership webinar</b>	Title TBC	
<b>Session 19</b> <b>03/02/26</b> <b>Wirral</b>	<b>Dermatology</b>	Dermatological manifestations of systemic illness Rashes	Cutaneous drug reactions Eczema Erythroderma Infections of skin and soft tissues Necrotising Fasciitis Pressure ulcers Purpuric rash Stevens-Johnson syndrome Toxic-epidermal necrolysis Urticaria
	<b>Manage and administer</b>	In-tray exercise plus: Recruitment Rota management <b>CCT process and job planning and processes of applying for consultant jobs.</b>	

<b>Session 20</b> <b>03/03/26</b> <b>AUH</b>	<b>Max-fax / dental</b>  <b>ENT 2</b>  <b>Resus</b>	Dental pain Facial swelling Avulsed or fractured teeth Facial bone injury  Acute airway obstruction	Dental abscess Facial wounds Post extraction complications TMJ dislocation  Tracheostomy emergencies  Choking Stridor
	<b>Practical procedure</b>	Advanced airway management	
<b>Session 21</b> <b>07/04/26</b> <b>Southport</b>	<b>Cardiology 2</b>	Palpitations Transient Loss of Consciousness	Arrhythmias Pacemaker function & failure Sudden Cardiac Death Valvular heart disease
	<b>Practical procedures</b>	DC cardioversion External pacing	
	<b>QI methodology +/- presentations</b>	Approx 1 hour devoted to QI methodology  Up to 1 hour for QIP presentations	
<b>Session 22</b> <b>05/05/26</b> <b>Alder Hey</b>	<b>Paeds dermatology</b>  <b>Paeds ENT</b>  <b>Paeds gastro</b>  <b>Infectious disease in children</b>  <b>Paeds neurology</b>  <b>Paeds respiratory</b>		Common childhood exanthema Purpuric rash inc HSP  Croup Post-tonsillectomy bleed  Dehydration in children Pyloric stenosis  Kawasaki disease  Febrile convulsion  Bronchiolitis Pertussis Viral-induced wheeze
<b>Session 23</b> <b>02/06/26</b> <b>Leighton</b>	<b>Oncology</b>	Acute presentations of undiagnosed cancer that may present to the ED	Complications related to local tumour progression Complications relating to cancer treatment Biochemical complications of malignancy Neutropenic sepsis Brain tumour - new diagnosis.

	Leadership webinar	Title TBC	
<b>Session 24</b> <b>07/07/26</b> <b>Warrington</b>	<b>Endocrinology</b>	Addisonian crisis Hyperglycaemia Hypoglycaemia	Adrenal disorders DKA DM & its complications HHS Pituitary disorders Thyroid emergencies
	<b>Manage and administer</b>	In-tray exercise plus: Serious Adverse Incident / Root Cause Analysis How to participate in / chair meetings	
<b>Session 25</b> <b>18/08/26</b> <b>AUH</b>	<b>MSK (non-traumatic)</b>	Acute back pain Limb pain and swelling Neck pain Joint swelling Acute hot swollen joint	Cauda equina syndrome Crystal-related arthropathies Septic arthritis Limb pain and swelling Spinal pain and radiculopathy Risks of rheumatological disease-modifying drugs Spinal infections
	<b>Practical procedures</b>	Large joint aspiration FICB USS use and blocks	
<b>Session 26</b> <b>01/09/26</b> <b>Wirral</b>	<b>Mental Health</b>	Aggressive or disturbed behaviour Anxiety / panic Medically unexplained symptoms Self-harm Refusal of treatment	Alcohol and substance misuse Depression Eating disorders Personality disorders Acute psychosis Somatic symptom disorders Stress disorders Suicide  Safeguarding in adults Domestic abuse  Rapid tranquilisation
	<b>Manage and administer</b>	In-tray exercise plus: Construct a report for the coroner or legal services using information available from clinical notes Complaints	
<b>Session 27</b> <b>06/10/26</b> <b>Leighton</b>	<b>Surgical emergencies 2 - Colorectal</b>	Constipation Diarrhoea GI bleeding Anal / rectal pain	Ano-rectal abscesses Breast abscess Diverticular disease Haemorrhoid disease Lower GI bleeding Viscous perforation Volvulus
	<b>Ophthalmology</b>	Diplopia	Acute glaucoma Cranial nerve palsy

		Eye trauma including foreign bodies Painful eye Red eye Sudden visual loss	Peri-orbital & orbital cellulitis Inflammatory eye disease Temporal arteritis
	<b>Practical procedure</b>	Lateral canthotomy Slit lamp – hints and tips	
<b>Session 28</b> <b>03/11/26</b> <b>RLUH</b>	<b>Nephrology</b>	Electrolyte disorders Oliguria	AKI Drugs and the kidneys Electrolyte disorders Fluid balance disorders Renal replacement therapy
	<b>Support, supervise, educate</b>	Acting as a clinical / educational supervisor	
<b>Session 29</b> <b>01/12/26</b> <b>Whiston</b>	<b>Mock exam</b>	SBA paper OSCE	
<b>Session 30</b> <b>19/01/27</b> <b>COCH</b>	<b>Neurology 2</b>	Hemiparesis / hemiplegia Gait abnormality	Stroke & TIA Parkinson's disease and other movement disorders
	<b>Sexual Health</b>	Genital discharge Genital lesions Emergency contraception Post-exposure prophylaxis	Sexual assault Sexually transmitted infections
	<b>Leadership webinar</b>	Title TBC	
<b>Session 31</b> <b>02/02/27</b> <b>AUH</b>	<b>Trauma</b>	Head injury Spinal injury Chest and lung injury Pelvic injury	Head injury Spinal injury Thoracic injury Pelvic injury
	<b>Resus</b>	Major trauma Shock	
	<b>Practical procedures</b>	Resuscitative thoractomy – practical procedure covered on skills day. This session to focus on decision making  ED management of life-threatening haemorrhage – tourniquet, haemostatic agents	



<b>Session 32</b> <b>02/03/27</b> <b>RLUH</b>	<b>Allergy</b>	Acute allergy Anaphylactoid reactions Angioedema Urticaria  Anaphylaxis / Anaphylactoid reaction	Drug allergy   Stridor
	<b>Manage and administer</b>	In-tray exercise plus: Construct a report for the coroner or legal services using information available from clinical notes Complaints	
<b>Session 33</b> <b>06/04/27</b> <b>Southport</b>	<b>Palliative and end of life care</b>	Advanced malignancy and end-stage chronic disease	Advanced care planning Anticipatory medications End-stage organ failure Pain management Physical symptoms other than pain Psychosocial concerns inc. spiritual care The dying patient  Organ donation
	<b>QI methodology +/- presentations</b>	Approx 1 hour devoted to QI methodology  Up to 1 hour for QIP presentations	
<b>Session 34</b> <b>04/05/27</b> <b>Warrington</b>	<b>Respiratory</b>	Chest pain Breathlessness Haemoptysis Cough  Respiratory failure	Asthma COPD Foreign body inhalation Pleural effusion Pneumonia Pneumothorax Pulmonary aspiration Pulmonary embolus
	<b>Practical procedures</b>	NIV Open chest drain insertion Seldinger chest drain insertion Pleural aspiration (air)	

<b>Session 35</b> <b>01/06/27</b> <b>COCH</b>	<b>Vascular</b>	Major vascular injury	Acute limb ischaemia Aortic aneurysmal disease DVT  Thrombosis during and following pregnancy  Vascular injury
	<b>Leadership webinar</b>	Title TBC	
<b>Session 36</b> <b>06/07/27</b> <b>Leighton</b>	<b>Major incident</b>		Major Incident management PHEM
	<b>Manage and administer</b>	In-tray exercise plus: Major incident table top	