

Emergency Medicine HST Teaching Programme 2021 - 2024

Date	System / specialty	Clinical Presentations	Conditions / Issues
Session 1 19/08/21 W'shawe	Cardiology 1	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
	Practical procedure	Pericardiocentesis	
Session 2 16/09/21 Bolton	Neonatal Emergencies		Delivery and resuscitation of newborn Neonatal sepsis Cyanotic / non-cyanotic congenital heart disease Jaundice Feeding patterns
Session 3 21/10/21 Blackburn	Trauma	Limb and joint injury	Compartment syndrome Limb and joint injury including bony, musculo-tendinous and complications
	Pain & Sedation		Analgesics Non-pharmacological methods of pain management Pain assessment Sedation
	Practical procedures	Procedural sedation in adults and children Fracture / dislocation manipulation ED management of major haemorrhage – Splints (e.g. pelvic sling, traction splint)	
Session 4 18/11/21 Salford	Neurology 1	Acute confusion Headache Seizures / status epilepticus Speech disturbance Visual disturbance Weakness / paralysis Dizziness and vertigo	Botulism Cerebral venous thrombosis Functional illness Guillain-Barre syndrome Meningitis / encephalitis MS Myasthenia gravis Seizures (epileptic, non-epileptic) Peripheral neuropathy
	Resus	Unconsciousness	SAH Tetanus CNS tumours VP shunts Wernicke's encephalopathy

Session 5 16/12/21 Blackpool	Mock Exam	SBA paper OSCE	
Session 6 20/01/22 Oldham	Pharmacology and poisoning	Medication side-effects / interactions Overdose Accidental poisoning	Overdose Poisoning Toxidromes Antidotes Batteries, household chemicals, poisonous plants
	Obstetrics & Gynaecology		Prescribing in pregnancy
	Leadership webinar	Title TBC	
Session 7 17/02/22 NMGH	Infectious diseases	Fever Pyrexia in travellers Sepsis Needlestick injury / exposure to blood borne viruses	Influenza Infection in immuno-compromised patients Infestations Notifiable diseases PUO Malaria HIV
	Obstetrics & Gynaecology		Exposure to infections during pregnancy, e.g. chickenpox
	Resus	Sepsis	
Session 8 17/03/22 MRI	Surgical Emergencies 1 – General, Upper GI and Breast	Abdominal pain Abdominal swelling / mass GI bleeding Nausea / vomiting	Appendicitis Biliary colic Bowel obstruction Breast abscess Cholangitis Cholecystitis Hernias Ischaemic bowel Pancreatitis Viscous perforation
	QI methodology + QIP presentations	Approx 1 hour devoted to QI methodology Up to 1 hour for QIP presentations	

Session 9 21/04/22 Stockport	Elderly Care	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
Session 10 19/05/22 RMCH	Paediatrics	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
Session 11 16/06/22 Salford	Environmental emergencies		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
	Leadership webinar	Title TBC	
Session 12 21/07/22 W'shawe	Trauma: Burns, inhalational injury, wounds	Burns Inhalational injury Wounds	Electrical burns Infection – fingers and hand Animal bites inc. human
	Support, supervise, educate	Delivering a teaching session Delivering feedback	

Session 13 18/08/22 Preston	ENT 1	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
	Practical procedure	ED management of major haemorrhage - Nasal packing	
	Manage and administer	In-tray exercise	
Session 14 15/09/22 Macc'field	Gastroenterology inc hepatology	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
Session 15 20/10/22 Bolton	Obstetrics and Gynaecology	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
	Practical procedures	Emergency delivery Resuscitative hysterostomy	

Session 16 17/11/22 Stockport	Haematology	Anaemia Bruising and spontaneous bleeding Massive haemorrhage	Anti-coagulant reversal DIC Haemophilia ITP Leukaemia Lymphoma Marrow failure Sickle-cell disease / crisis Transfusion reactions
	Obstetrics & Gynaecology		Rhesus D prophylaxis
	Support, supervise, educate	Supervising junior colleagues on the shop floor	
Session 17 15/12/22 Blackpool	Mock exam	SBA paper OSCE	
Session 18 19/01/23 W'shawe	Urology	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
	Trauma		Injury to bladder, urethra, testes or penis
	Leadership webinar	Title TBC	
Session 19 16/02/23 Salford	Dermatology	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
	Manage and administer	In-tray exercise plus: Recruitment Rota management	

Session 20 16/03/23 Blackburn	Max-fax / dental ENT 2 Resus	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
	Practical procedure	Advanced airway management	
Session 21 20/04/23 Bolton	Cardiology 2	Palpitations Transient Loss of Consciousness	Arrhythmias Pacemaker function & failure Sudden Cardiac Death Valvular heart disease
	Practical procedures	DC cardioversion External pacing	
	QI methodology +/- presentations	Approx 1 hour devoted to QI methodology	
Session 22 18/05/23 MRI	Paeds dermatology Paeds ENT Paeds gastro Infectious disease in children Paeds neurology Paeds respiratory		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
Session 23 15/06/23 Preston	Oncology	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
	Leadership webinar	Title TBC	

Session 24 20/07/23 Salford	Endocrinology	Addisonian crisis Hyperglycaemia Hypoglycaemia	Adrenal disorders DKA DM & its complications HHS Pituitary disorders Thyroid emergencies
	Manage and administer	In-tray exercise plus: Serious Adverse Incident / Root Cause Analysis How to participate in / chair meetings	
Session 25 17/08/23 Wigan	MSK (non-traumatic)	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
	Practical procedures	Large joint aspiration	
Session 26 21/09/23 Oldham	Allergy Resus	Acute allergy Anaphylactoid reactions Angioedema Urticaria Anaphylaxis / Anaphylactoid reaction	Drug allergy Stridor
	Manage and administer	In-tray exercise plus: Construct a report for the coroner or legal services using information available from clinical notes Complaints	
Session 27 19/10/23 Stockport	Surgical emergencies 2 - Colorectal Ophthalmology	Constipation Diarrhoea GI bleeding Anal / rectal pain Diplopia Eye trauma including foreign bodies Painful eye Red eye Sudden visual loss	Ano-rectal abscesses Breast abscess Diverticular disease Haemorrhoid disease Lower GI bleeding Viscous perforation Volvulus Acute glaucoma Cranial nerve palsy Peri-orbital & orbital cellulitis Inflammatory eye disease Temporal arteritis
	Practical procedure	Lateral canthotomy	

Session 28 16/11/23 Preston	Nephrology	Electrolyte disorders Oliguria	AKI Drugs and the kidneys Electrolyte disorders Fluid balance disorders Renal replacement therapy
	Support, supervise, educate	Acting as a clinical / educational supervisor	
Session 29 14/12/23 Blackpool	Mock exam	SBA paper OSCE	
Session 30 18/01/24 Oldham	Neurology 2	Hemiparesis / hemiplegia Gait abnormality	Stroke & TIA Parkinson's disease and other movement disorders
	Sexual Health	Genital discharge Genital lesions Emergency contraception Post-exposure prophylaxis	Sexual assault Sexually transmitted infections
	Leadership webinar	Title TBC	
Session 31 15/02/24 MRI	Trauma	Head injury Spinal injury Chest and lung injury Pelvic injury	Head injury Spinal injury Thoracic injury Pelvic injury
	Resus	Major trauma Shock	
	Practical procedures	Resuscitative thoractomy ED management of life-threatening haemorrhage – tourniquet, haemostatic agents	
Session 32 21/03/24 Bolton	Mental Health	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
	Other clinical presentations		Safeguarding in adults Domestic abuse

Session 33 18/04/24	Palliative and end of life care	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
Macc'd	Resus		Organ donation
	QI methodology +/- presentations	Approx 1 hour devoted to QI methodology	
Session 34 16/05/24	Respiratory	Chest pain Breathlessness Haemoptysis Cough	Asthma COPD Foreign body inhalation Pleural effusion Pneumonia Pneumothorax Pulmonary aspiration Pulmonary embolus
Blackburn	Resus	Respiratory failure	
	Practical procedures	NIV Open chest drain insertion Seldinger chest drain insertion Pleural aspiration (air)	
Session 35 20/06/24	Vascular		Acute limb ischaemia Aortic aneurysmal disease DVT
MRI	Obstetrics & Gynaecology		Thrombosis during and following pregnancy
	Trauma	Major vascular injury	Vascular injury
	Leadership webinar	Title TBC	
Session 36 18/07/24	Other clinical presentations		Major Incident management PHEM
Preston			
	Manage and administer	In-tray exercise plus: NHS structure	