NW Emergency Medicine HST Teaching Programme 2024 - 2027

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| Date | System / specialty | Clinical Presentations | Conditions / Issues |
| **Session 1 15/08/24**  **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**  **19/09/24**  **Bolton** | **Neonatal Emergencies** |  | Delivery and resuscitation of newborn  Neonatal sepsis  Cyanotic / non-cyanotic congenital heart disease  Jaundice  Feeding patterns |
| **Session 3**  **17/10/24**  **Blackburn** | **Trauma**  MINORS DAY | Limb and joint injury | Compartment syndrome  Limb and joint injury including bony, musculo-tendinous and complications  Pain relief options  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**  **21/11/24**  **Salford** | **Neurology 1** | 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 |
| **Session 5**  **19/12/24**  **Blackpool** | **Mock Exam** | SBA paper  OSCE | |
| **Session 6**  **16/01/25**  **Oldham** | **Pharmacology and poisoning**  TOXICOLOGY | Medication side-effects / interactions  Overdose  Accidental poisoning | Overdose  Poisoning  Toxidromes  Antidotes  Batteries, household chemicals, poisonous plants  Prescribing in pregnancy |
|  | **Leadership webinar**  **OR Management in tray exercise** | Title TBC | |
| **Session 7**  **20/02/25**  **NMGH** | **Infectious diseases** | 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 |
| **Session 8**  **20/03/25**  **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**  **17/04/25**  **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**  **15/05/25**  **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 |
| **Alder Hey** | **Paeds resus**  **Paeds MSK (non-traumatic)**  **Paeds surgical emergencies**  **Safeguarding & psychosocial emergencies in children** | Self-harm in children and adolescents  Concerning presentations | BRUE  SUDIC protocol  Torticollis  Limping child  Osteochondritis  Intussusception  Conditions presenting as a symptom of NAI or psychosocial distress  Roles of other systems in protecting children  Mental illness in childhood  Sexual abuse |
| **Session 11**  **19/06/25**  **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**  **OR Minor injuries** | TBC | |
| **Session 12**  **17/07/25**  **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**  **21/08/25**  **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**  **18/09/25**  **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**  **16/10/25**  **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  Emergency delivery  Resuscitative hysterostomy (covered on skills days for practical skills) |
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| **Session 16**  **20/11/25**  **RMCH - TBC** | **Paediatrics** | Further details to follow |  |
| **18/12/2025**  **Salford** | **Research / Procedural skills day** |  | |
| **Session 17**  **18/12/25**  **Blackpool** | **Mock exam** | SBA paper  OSCE | |
| **Session 18**  **15/01/26**  **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  Injury to bladder, urethra, testes or penis |
|  | **Leadership webinar** | Title TBC | |
| **Session 19**  **19/02/26**  **Salford** | **Dermatology** | Dermatological manifestations of systemic illness  Rashes | Cutaneous drug reactions  Eczema  Erthroderma  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**  **19/03/26**  **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**  **16/04/26**  **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  Up to 1 hour for QIP presentations | |
| **Session 22**  **21/05/26**  **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**  **18/06/26**  **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  Neutropenic sepsis  Brain tumour - new diagnosis. |
|  | **Leadership webinar** | Title TBC | |
| **Session 24**  **16/07/26**  **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**  **20/08/26**  **Wigan** | **MSK (non-traumatic)** | Acute back pain  Limb pain and swelling  Neck pain  Joint swelling  Acute hot swollen joint | Cauda equina syndrome  Crystal-related arthopathies  Septic arthritis  Limb pain and swelling  Spinal pain and radiculopathy  Risks of rheumatological disease-modifying drugs  Spinal infections |
|  | **Practical procedures** | Large joint aspiration  FICB  USS use and blocks | |
| **Session 26**  **17/09/26**  **Oldham** | **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  Safeguarding in adults  Domestic abuse  Rapid tranquilisation |
|  | **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**  **15/10/26**  **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  Slit lamp – hints and tips | |
| **Session 28**  **19/11/26**  **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**  **17/12/26**  **Blackpool** | **Mock exam** | SBA paper  OSCE | |
| **Session 30**  **21/01/27**  **Oldham** | **Neurology 2**  **Sexual Health** | Hemiparesis / hemiplegia  Gait abnormality  Genital discharge  Genital lesions  Emergency contraception  Post-exposure prophylaxis | Stroke & TIA  Parkinson’s disease and other movement disorders  Sexual assault  Sexually transmitted infections |
|  | **Leadership webinar** | Title TBC | |
| **Session 31**  **18/02/27**  **MRI** | **Trauma**  **Resus** | Head injury  Spinal injury  Chest and lung injury  Pelvic injury  Major trauma  Shock | Head injury  Spinal injury  Thoracic injury  Pelvic injury |
| **Practical procedures** | Resuscitative thoractomy – practical procedure covered on skills day. This session to focus on decision making  ED management of life-threatening haemorrhage – tourniquet, haemostatic agents | |
| **Session 32**  **18/03/27**  **Bolton** | **Allergy** | 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 33**  **15/04/27**  **Macc’d** | **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  Organ donation |
|  | **QI methodology +/- presentations** | Approx 1 hour devoted to QI methodology  Up to 1 hour for QIP presentations | |
| **Session 34**  **20/05/27**  **Blackburn** | **Respiratory** | Chest pain  Breathlessness  Haemoptysis  Cough  Respiratory failure | Asthma  COPD  Foreign body inhalation  Pleural effusion  Pneumonia  Pneumothorax  Pulmonary aspiration  Pulmonary embolus |
|  | **Practical procedures** | NIV  Open chest drain insertion  Seldinger chest drain insertion  Pleural aspiration (air) | |
| **Session 35**  **17/06/27**  **MRI** | **Vascular** | Major vascular injury | Acute limb ischaemia  Aortic aneurysmal disease  DVT  Thrombosis during and following pregnancy  Vascular injury |
|  | **Leadership webinar** | Title TBC | |
| **Session 36**  **15/07/27**  **Preston** | **Major incident** |  | Major Incident management  PHEM |
|  | **Manage and administer** | In-tray exercise plus:  Major incident table top | |