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 painBreathlessness | Acute coronary syndromesMyocardial infarctionCardiac failureCardiac tamponadeCongenital heart diseaseDiseases of the arteries, including aortic dissectionDiseases of myocardiumHypertensive emergenciesPericardial disease |
| **Practical procedure** | Pericardiocentesis  |
| **Session 2****19/09/24****Bolton** | **Neonatal Emergencies** |  | Delivery and resuscitation of newbornNeonatal sepsisCyanotic / non-cyanotic congenital heart diseaseJaundiceFeeding patterns |
| **Session 3****17/10/24****Blackburn** | **Trauma**MINORS DAY | Limb and joint injury | Compartment syndromeLimb and joint injury including bony, musculo-tendinous and complicationsPain relief optionsSedation |
|  | **Practical procedures** | Procedural sedation in adults and childrenFracture / dislocation manipulationED management of major haemorrhage – Splints (e.g. pelvic sling, traction splint) |
| **Session 4****21/11/24****Salford** | **Neurology 1** | Acute confusionHeadacheSeizures / status epilepticusSpeech disturbanceVisual disturbanceWeakness / paralysisDizziness and vertigoUnconsciousness | BotulismCerebral venous thrombosisFunctional illnessGuillain-Barre syndromeMeningitis / encephalitisMSMyasthenia gravisSeizures (epileptic, non-epileptic)Peripheral neuropathy SAHTetanusCNS tumoursVP shuntsWernicke’s encephalopathy |
| **Session 5****19/12/24****Blackpool** | **Mock Exam** | SBA paperOSCE |
| **Session 6** **16/01/25****Oldham** | **Pharmacology and poisoning**TOXICOLOGY | Medication side-effects / interactionsOverdoseAccidental poisoning | OverdosePoisoningToxidromesAntidotesBatteries, household chemicals, poisonous plantsPrescribing in pregnancy |
|  | **Leadership webinar****OR Management in tray exercise** | Title TBC |
| **Session 7****20/02/25****NMGH** | **Infectious diseases** | FeverPyrexia in travellersSepsisNeedlestick injury / exposure to blood borne virusesSepsis | InfluenzaInfection in immuno-compromised patientsInfestationsNotifiable diseasesPUOMalariaHIVExposure to infections during pregnancy, e.g. chickenpox |
| **Session 8****20/03/25****MRI** | **Surgical Emergencies 1 – General, Upper GI and Breast** | Abdominal painAbdominal swelling / massGI bleedingNausea / vomiting | AppendicitisBiliary colicBowel obstructionBreast abscessCholangitisCholecystitisHerniasIschaemic bowelPancreatitisViscous perforation  |
|  | **QI methodology + QIP presentations** | Approx 1 hour devoted to QI methodologyUp to 1 hour for QIP presentations |
| **Session 9****17/04/25****Stockport** | **Elderly Care** | DeliriumDeterioration in mobilityFallsFragility fracturesFrailtyHypothermiaIncontinenceIncreasing care needsMemory lossUnsteadiness / balance disturbance | Comprehensive geriatric assessmentAcute confusionCeiling of care / end of life careDementiaFragility fracturesMobilityOsteoporosisPharmacology considerations in the elderly |
| **Session 10****15/05/25****RMCH** | **Paediatrics** | Paeds resus Paeds MSK (non-traumatic)Paeds trauma Paeds surgical emergenciesSafeguarding & psychosocial emergencies in children | BRUESUDIC protocolTorticollisLimping childOsteochondritisSalter-Harris classificationIntussusceptionSelf-harm in children and adolescentsConcerning presentations |
| **Alder Hey** | **Paeds resus** **Paeds MSK (non-traumatic)****Paeds surgical emergencies****Safeguarding & psychosocial emergencies in children** | Self-harm in children and adolescentsConcerning presentations | BRUESUDIC protocolTorticollisLimping childOsteochondritisIntussusceptionConditions presenting as a symptom of NAI or psychosocial distressRoles of other systems in protecting childrenMental illness in childhoodSexual abuse |
| **Session 11****19/06/25****Salford** | **Environmental emergencies** |  | Heat stroke and exhaustionDrug-related hyperthermiasHypothermia and frost biteDecompression sicknessNear-drowningRadiation exposure and safetyIndustrial chemical accidentsBites and envenomations typical in the UKHigh altitude emergencies – cerebral and pulmonary oedemaAcid attacks |
|  | **Leadership webinar****OR Minor injuries** | TBC |
| **Session 12****17/07/25****W’shawe** | **Trauma:****Burns, inhalational injury, wounds** | BurnsInhalational injuryWounds | Electrical burnsInfection – fingers and handAnimal bites inc. human |
|  | **Support, supervise, educate** | Delivering a teaching sessionDelivering feedback |
| **Session 13****21/08/25****Preston** | **ENT 1** | ENT foreign bodiesENT injuriesEpistaxisHearing lossPainful earSore ThroatVertigo | EpiglottitisGlandular FeverLMN facial nerve palsyMeniere’s diseaseNasal fracturesOtitis externaOtitis mediaPharyngitisTonsillitisPeri-tonsillar abscessSalivary gland diseaseVestibular 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 / massAscitesConstipationDiarrhoeaHaematemesis & melaenaJaundiceAnal pain & pr bleedingNausea and vomitingDysphagia | Alcohol-related liver disease inc withdrawalDecompensated cirrhosisFunctional bowel disordersGI infectionsHepatitisIBDPeptic ulcer disease |
| **Session 15****16/10/25****Bolton** | **Obstetrics and Gynaecology** | Pelvic painVaginal bleedingPregnancyGenital injury /assaultVaginal dischargeForeign bodiesPatient in labour | Ante-partum haemorrhageBleeding in early pregnancyEctopic pregnancyGenital injury / FGMHELLPMenorrhagiaPre-eclampsia / eclampsiaPelvic infectionPost menopausal bleedingSepsis in and following pregnancyTrauma in pregnancyOHSSEmergency deliveryResuscitative 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 paperOSCE |
| **Session 18****15/01/26****W’shawe** | **Urology** | DysuriaInjury to bladder, urethra, testes or penisUrinary retentionTesticular pain / swellingLoin painHaematuria | Epididymo-orchitisRenal stone diseasePhimosis / paraphimosisPriapismTesticular torsionProstatitisUTI / pyelonephritisInjury to bladder, urethra, testes or penis |
|  | **Leadership webinar** | Title TBC |
| **Session 19****19/02/26****Salford** | **Dermatology** | Dermatological manifestations of systemic illnessRashes | Cutaneous drug reactionsEczemaErthrodermaInfections of skin and soft tissuesNecrotising FasciitisPressure ulcersPurpuric rashStevens-Johnson syndromeToxic-epidermal necrolysisUrticaria |
|  | **Manage and administer** | In-tray exercise plus:RecruitmentRota management |
| **Session 20****19/03/26****Blackburn** | **Max-fax / dental****ENT 2****Resus** | Dental painFacial swellingAvulsed or fractured teethFacial bone injuryAcute airway obstruction | Dental abscessFacial woundsPost extraction complicationsTMJ dislocationTracheostomy emergenciesChokingStridor |
|  | **Practical procedure** | Advanced airway management |
| **Session 21****16/04/26****Bolton** | **Cardiology 2** | PalpitationsTransient Loss of Consciousness | ArrhythmiasPacemaker function & failureSudden Cardiac DeathValvular heart disease |
|  | **Practical procedures**  | DC cardioversionExternal pacing |
|  | **QI methodology +/- presentations** | Approx 1 hour devoted to QI methodologyUp 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 exanthemaPurpuric rash inc HSPCroupPost-tonsillectomy bleedDehydration in childrenPyloric stenosisKawasaki diseaseFebrile convulsionBronchiolitisPertussisViral-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 progressionComplications relating to cancer treatmentBiochemical complications of malignancyNeutropenic sepsisBrain tumour - new diagnosis. |
|  | **Leadership webinar** | Title TBC |
| **Session 24****16/07/26****Salford** | **Endocrinology** | Addisonian crisisHyperglycaemiaHypoglycaemia | Adrenal disordersDKADM & its complicationsHHSPituitary disordersThyroid emergencies |
|  | **Manage and administer** | In-tray exercise plus:Serious Adverse Incident / Root Cause AnalysisHow to participate in / chair meetings |
| **Session 25****20/08/26****Wigan** | **MSK (non-traumatic)** | Acute back painLimb pain and swellingNeck painJoint swellingAcute hot swollen joint | Cauda equina syndromeCrystal-related arthopathiesSeptic arthritisLimb pain and swellingSpinal pain and radiculopathyRisks of rheumatological disease-modifying drugsSpinal infections |
|  | **Practical procedures** | Large joint aspirationFICBUSS use and blocks |
| **Session 26****17/09/26****Oldham** | **Mental Health** | Aggressive or disturbed behaviourAnxiety / panicMedically unexplained symptomsSelf-harmRefusal of treatment | Alcohol and substance misuseDepressionEating disordersPersonality disordersAcute psychosisSomatic symptom disordersStress disordersSuicideSafeguarding in adultsDomestic abuseRapid 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** | ConstipationDiarrhoeaGI bleedingAnal / rectal painDiplopiaEye trauma including foreign bodiesPainful eyeRed eyeSudden visual loss | Ano-rectal abscessesBreast abscessDiverticular diseaseHaemorrhoid diseaseLower GI bleedingViscous perforation VolvulusAcute glaucomaCranial nerve palsy Peri-orbital & orbital cellulitisInflammatory eye diseaseTemporal arteritis |
|  | **Practical procedure** | Lateral canthotomySlit lamp – hints and tips |
| **Session 28****19/11/26****Preston** | **Nephrology** | Electrolyte disordersOliguria | AKIDrugs and the kidneysElectrolyte disordersFluid balance disordersRenal replacement therapy |
|  | **Support, supervise, educate** | Acting as a clinical / educational supervisor |
| **Session 29****17/12/26****Blackpool** | **Mock exam** | SBA paperOSCE |
| **Session 30****21/01/27****Oldham** | **Neurology 2****Sexual Health** | Hemiparesis / hemiplegiaGait abnormalityGenital dischargeGenital lesionsEmergency contraceptionPost-exposure prophylaxis | Stroke & TIAParkinson’s disease and other movement disordersSexual assaultSexually transmitted infections |
|  | **Leadership webinar** | Title TBC |
| **Session 31****18/02/27****MRI** | **Trauma****Resus** | Head injurySpinal injuryChest and lung injuryPelvic injuryMajor traumaShock | Head injurySpinal injuryThoracic injuryPelvic injury |
| **Practical procedures** | Resuscitative thoractomy – practical procedure covered on skills day. This session to focus on decision makingED management of life-threatening haemorrhage – tourniquet, haemostatic agents |
| **Session 32****18/03/27****Bolton** | **Allergy** | Acute allergyAnaphylactoid reactionsAngioedemaUrticariaAnaphylaxis / Anaphylactoid reaction | Drug allergyStridor |
|  | **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 planningAnticipatory medicationsEnd-stage organ failurePain managementPhysical symptoms other than painPsychosocial concerns inc. spiritual careThe dying patientOrgan donation |
|  | **QI methodology +/- presentations** | Approx 1 hour devoted to QI methodologyUp to 1 hour for QIP presentations |
| **Session 34****20/05/27****Blackburn** | **Respiratory** | Chest painBreathlessnessHaemoptysisCoughRespiratory failure | AsthmaCOPDForeign body inhalationPleural effusionPneumoniaPneumothoraxPulmonary aspirationPulmonary embolus |
|  | **Practical procedures** | NIVOpen chest drain insertionSeldinger chest drain insertionPleural aspiration (air) |
| **Session 35****17/06/27****MRI** | **Vascular** | Major vascular injury | Acute limb ischaemiaAortic aneurysmal diseaseDVTThrombosis during and following pregnancyVascular injury |
|  | **Leadership webinar** | Title TBC |
| **Session 36****15/07/27****Preston** | **Major incident** |  | Major Incident managementPHEM  |
|  | **Manage and administer** | In-tray exercise plus:Major incident table top |