Airway Management	Intubation 1	ALS 1
1. Preparation i. Ask for airway trolley ii. Eqpt check iii. Brief team iv. Delegate roles 2. Airway Assessment i. Looks into oropharynx • Removes FB/vomit - suction/Magill's NOT finger sweep II. Listens for signs of obstruction • Stridor • Snoring • Gurgling • Movement of Air iii. Looks at chest wall • Paradoxical chest excursion • Indrawing of the chest 3. Airway Management - reassess between each intervention i. Suction ii. High flow O ₂ iii. Liateral iv. Chin lift/Jaw thrust v. OPA (+sizing -upper central incisors to angle of jaw) vi. NPA (+sizing - nostril to angle of jaw) vii. BVM/Mapleson C viii. ?LMA ix. Intubation	1. Introduction i. Introduction to team ii. Assign roles iii. Airway trolley iv. Asks for help and an assistant 2. Airway Assessment i. Looks into oropharynx · Removes FB/vomit - suction/Magill's NOT finger sweep II. Listens for signs of obstruction · Stridor · Snoring · Gurgling · Movement of Air iii. Looks at chest wall · Paradoxical chest excursion · Indrawing of the chest · LEMON * Look externally * Evaluate 3:3:2 (3 fingers between incisors, 3 fingers mentum to hyoid, 2 fingers hyoid to thyroid) * Mallampatti * Obstruction * Neck mobility 3. Preparation i. Pre-oxygentaion - assistant ii. Suction iii. Ensures monitoring · Sats · BP · ET CO ₂ iv. Ensures IV access v. Sets up airway trolley vi. Take over pre-oxygenation vii. Brief team on plan A-D · A - direct tracheal intubation with bougie. Max 3 attempts. Change something each time · B - Supraglottic airway. 2 attempts · C - Facemask ± OPA/NPA · D - Surgical airway	1. Initial actions i. SAFE approach ii. Confirms cardiac arrest iii. Calls for Help
Conscious Sedation	Teaching a procedure	Wound Management
1. Review need for conscious sedation 2. Ensure safety i. Appropriate area ii. Adequate back up iii. Sufficient staff 4. Introduce self to patient 5. Relevant history i. Previous complications with anaesthesia iii. FHx of complications with anaesthesia iii. Allergies and meds iv. Significant PMHx (esp. resp, CVS, hepatic and EtOH) v. HTN and thyroid Ds vi. Last ate and drank 4. Airway assessment i. Look externally ii. Evaluate 3:3:2 (3 fingers between incisors, 3 fingers mentum to hyoid, 2 fingers hyoid to thyroid) iii. Mallampatti iv. Obstruction v. Neck mobility 5. Get written consent 6. Drug options i. Sedatives • Midazolam * Lipophilic * Crosses BBB * Adults 0.02-0.1mgkg-1 * Hepatic metabolism so unaffected by renal failure • Propofol * 2, 6-diisopropylpehol * Positively modulates the inhibitory neurotransmitter GABA via GABAA receptors * 3 compartment model of elimination (v. rapid elimination, slower re-distribution from poorly perfused tissues) * Predominant hepatic metabolism	1. Normal teaching prologue 2. Asks patient's permission to teach 3. Indications 4. Contraindications i. Patient non-compliance ii. Allergies iii. 4. Preparation 5. Position 6. Ways of performing procedure i. Blind ii. US guided etc	1. Wash hands 2. Manage ABCDE 3. Analgesia 4. Mechanism of injury i. Type of injury ii. Site of injury iii. Risk of rabies/tetanus • Rabies risk low in UK • Tetanus imms at 2/12, 3/12, 4/12, preschool and fifth and final dose between 13 & 18 • If all 5 vaccines given: * very heavily contaminated wounds should be given human tetanus lg 250-500 iu • If incomplete vaccine schedule/unknown * Vaccine immediately and compete schedule * Human tetanus lg 250-500 iu for any tetanus prone wound 3. Patient Factors i. Medications and allergies ii. Hand dominance and occupation iii. PMH (Immunocompromise) iv. Vaccine status 4. Examination i. Top to toe looking for other bite injuries ii. Completely expose affected limb and examine • MSK • Neuro • Vascular • Beware of compartment syndrome 5. Investigations i. Bloods ii. Wound swabs iii. X-ray 6. Preparation i. Considerations • Department vs specialty • Immediate vs delayed • Abx

ALS 2	Intubation 2	Major Trauma
Trauma * Airway * Bilateral finger thoracostomy * Blood resus * USS for tamponade * If arrest in front of you thoracotomy more successful in penetrating than blunt Pregnancy * Tilt 15 Deg * Resuscitative hysterotomy if foetus viable	4. Intubation i. Positions patient ii. Drugs - appropriate choice of induction agent iii. Intubates iv. Inflate cuff with air v. Check ETT position • Direct vision • Chest expansion and auscultation • Fogging of ETT • Capnography • CXR	1. Trauma Call ± TXA advice 2. Allocate rolls to team 3. Check Eqpt 4. AMPLE 5. Primary survey - if carried out by junior may need repeating 6. Imaging adjuncts i. Explain why no lateral C-spine ii. FAST iii. Pan CT- may need to justify 4. If intervention required must go back to top and reassess 5. Secondary Survey i. Head and neck ii. Trunk including spine ± log roll iii. Pelvis iv. Limbs 6. Is there anything else? i. Management issues ii. Procedural issues e.g. junior running trauma 7. Debriefing
Wound Management Cont.	Teaching Generic	Conscious Sedation Cont.
ii. Do not suture facial injuries which: Cross vermillion border Involve eyelid Marked tissue loss Are infected iii. Wash hands - 6 point technique Palm to palm Palm to back Between fingers Fingers interlocked Thumbs Nails iv. Set up eqpt Ask for assistant if necessary Anaesthetic Local vs regional Aspirate Wound closure Dispose of sharps Written advice	1. Introduction i. Hello my name is ii. I'm one of the iii. I understand you want to learn about 2. Assess prior knowledge i. Tell me what you already know about 3. What do you want to learn? i. Are there any specific areas of you want to know about? ii. OK that's great 4. We can certainly talk about that BUT this is quite a short session so afterwards we should see some patients and apply what you've learntl/'d like you to look at (this resource)/I'd like you to go away and find some interesting examples to show me 5. So we're going to talk about 6. Does that cover everything you want to know? 7. Teaching i. Go through each bit summarising as you go ii. Demonstrate if possible iii. Ask questions to check knowledge 8. We don't have much time left. Do you have any burning questions? 9. Summary	Ketamine * NMDA receptor inhibitor * Dissociative state * Emergence phenomena ii. Opiates * G-protein coupled receptors * Inhibit adenylate cyclase * Reducing intracellular cAMP * Also effects on ion channels * Leads to opening of K+ channels and inhibition of opening of voltage gated Ca²- channels * Leads to reduced neuronal excitability and transmitter release * Morphine * Rapid onset * 3-4/24 duration of action * Fentanyl * More rapid onset of action and crosses BBB * Alfentanil * 5-8x less potent than fentanyl * Even more rapid onset * Rapid offset 7. Monitoring i. SpO2 ii. ECG iii. BP iv. ETCO₂ 8. Post-procedure care i. Same standards of monitoring until returned to pre-procedure state ii. Discharged into the care of another adult iiii. Do not drive or operate machinery for 24/24s

Paediatric Major Trauma	C-Spine Rules	Shoulder 1
Same overall principles as adult major trauma. Only deviations from adult scheme are included below 1. Calculation of paediatric doses i. Use pre-determined formulae on computer ii. Broselow tape iii. WETFLAG • W eight * 0-12/12 = (0.5xage in months) + 4kg * 1-5 years = (2xage) +8kg * 6-12 years = (3xage) + 7 • E nergy * 4JKg-1 • T ube size * Pre-term = 2.5 * Neonates = 3-3.5 * Internal diameter mm = Age/4+4 * Length cm = Age/2+12 oral * Length cm = Age/2+15 nasal • F luids * 10mlkg-1 crystalloid or blood • L orazepam * 0.1mgkg-1 • A drenaline * 10micrograms/0.1mlkg-11:10000 • G lucose * 5mlkg-110% Dextrose 2. Remember to engage parents	Canadian - only able to use if patient is 16>Age>65, GCS 15, a trauma patient, is haemodynamically stable, has no paralysis and has no known vertebral disease or previous C-spine surgery. 1. Any High Risk Factors? i. Dangerous Mechanism of Injury Fall from > Im/5stairs MVC > 100kmh-1 Rollover ejection Bicycle Collision iii. Paresthaesia in extremities 2. Any Low Risk Factors that allow neck movement? i. Sitting position in ED ii. Ambulatory at any time iii. Delayed onset of neck pain iv. Absence of midline tenderness v. Simple rear end collision Unless: Pushed into oncoming traffic Hit by bus or truck Rollover Hit at high speed 3. Able to move neck 45 deg L and R Nexus If patient meets all the following criteria no x-ray is necessary 1. No posterior midline c-spine tenderness 2. No intoxication 3. No painful distracting injury 4. No focal neurological deficit 5. No reduction in normal level of alertness	1. Generic introduction 2. Exposure i. I would like to fully expose the shoulder whilst maintaining the patient's dignity ii. Shirt off 3. Look i. Front · Sinuses · Asymmetry · Deformity * Prominent SCJ - subluxation * Clavicular deformity * Prominent ACJ - subluxation or OA * Wasting - disuse or axillary nerve palsy ii. Side · Sinuses · Swelling * Infection * Inflammation - Calcifying supraspinatus tendinitis iii. Above · Swelling/asymmetry of supraclavicular fossa · Clavicular deformity · Posterior gleno-humeral dislocation iv. Behind · Sinuses · Muscle wasting · Asymmetry · Abnormally small or high scapulae - Sprengel shoulder or Klippel-Feil syndrome v. Press on wall ?winging 4. Feel i. SCJ, clavicle & ACJ ii. Acromion process and coaracoid process - 2cm infero-medial to tip of clavicle iii. Glenohumeral joint and and lat and via axilla iv. Scapula spine v. Bicipital groove vi. Supraspinatus tendon (hand behind back) - painful with calcific tendonitis and ligamentous tears
Elbow	Wrist and Hand 2	Shoulder 3
1. Generic Intro 2. Look i. Overall alignment - N carrying angle 11-13 Deg ii. Swell/bruising/scars iii. Bursitis iv. Synovitis between lat epicondyle and olecranon v. Rheumatoid nodules on prox ext surface - usually ulnar side 3. Feel i. Feel bony prominences ii. Sponginess either side of olecranon - synovitis iii. Focal tenderness over lateral - tennis and medial - golfers' elbow iv. Rheumatoid nodules on proximal extensor surfaces 4. Move i. Flexion/Extension 0-145 Deg ii. Supination/pronation • Elbows flexed at 90 Deg • Shoulders adducted • Normal range * Sup 0-90 Deg * Pron 0-85 Deg 5. Special Tests i. Tennis elbow (lateral epicondylitis) • Elbow flexed to 90 Deg • Pronate and flex wrist • Support elbow • Extend wrist against resistance • Pain at lateral epicondyle and down extensor surface ii. Golfer's elbow (medial epicondylitis) • Elbow flexed to 90 Deg • Suppinate wrist fully • Support elbow • Elbow against resistance 6. Key Knowledge i. Humero-ulnar, radio-capitellar and superior radio ulnar articulations ii. Medial epicondyle flexor origin iii. Lateral epicondyle extensor origin iii. These bony prominences form an equilateral triangle when elbow flexed at 90 Deg and a straight line in elbow extension	i. "I'm feeling for tenderness and swellings over": Distal radius Distal Radioulnar joint ASB ± Watson's APL & EPB Carpals MCPJs IPJs IPJs IPJs Prayer/Reverse prayer 75 Deg Radial deviation 20 Deg Radial deviation 35 Deg V. Pronation 75 Deg V. Supination 80 Deg Vii. PIPJ 100 Deg Viii. DIPJ 80 Deg Viii. DIPJ 80 Deg Viii. DIPJ 80 Deg Viii. Check function of: FDP/FDS ED F/EPL EPL (hand flat hitchhiker) X. Thumb opposition Xi. Functional Neurovascular Status of Hand I. Temperature and CRT II. Palpate radial and ulnar arteries III. Allen's Test V. Median Motor Hand flat supinated. Abduct thumb against resistance Touch tip of little finger. Keep it there against resistance Sensory Radial border of index finger V. Ulnar Motor Hotor Abduct extended little finger against resistance/hold card (interossei) Froment's Test (adductor pollicis)	ii. Impingement Painful arc Neer's Test. * Stabalise Scapula * Arm flexed forward to 90 Deg with thumb to floor * Arm then raised * Pain = impingement iii. Dislocations • Anterior Drawer Test * Supine * Hand on scapula stabalise accromion with thumbs * Try to pull humeral head anteriorly • Posterior Drawer Test * As for Anterior Drawer Test * Try to displace humeral head posteriorly iv. Bicipital tendinitis • Palpate for pain as above • Supinate forearm (palm up) then flex against resistance v. Rupture of long head of biceps • Flex elbow against resistance 6. Potential Pathologies i. Rotator cuff injury • Pain & restriction on abduction, ext rot & int rot • No further Ix • Analgesia + RICE + physio • F/u ± steroid injection/surgery ii. ACJ Dislocation • Deformity/pain over ACJ max on abd • Plain x-ray • Analgesia + RICE • # clinic • ?steroid injection

Shoulder 2	MSK Generic	Knee 1
 It is possible to perform screening tests to test shoulder movement however I will perform the more detailed examination Flexion (165 deg) and extension (60 deg) Flexion (165 deg) and extension (60 deg) Flexion (165 deg) and extension (60 deg) Active Abduction - place hand on inferior pole of the scapula Difficulty initiating abduction suggests supraspinatus or rotator cuff tear. After initiation deltoid takes over Painful arc 70-100 deg indicative of rotator cuff pathology. Higher painful arc 100-150 deg more likely to be OA Ability to hold arm fully abducted - deltoid and axillary nerve Passive abduction - in external rotation Fix scapula Adduction (50 deg) Hand on opposite shoulder. Swing elbow across chest Internal and Eternal Rotation Exclusively at GHJ * Arms by your side with elbows flexed to 90 Deg. Swing your arms out like a door opening (70 Deg) * Now back in again - tests internal rotation (90 Deg) In abduction * Now hold your arms out like a puppet. Swing your arms up like a weight lifter and now back down again Special Tests i. Rotator Cuff Pathologies Subscapularis - Gerber's Lift Off Test * Attempt to lift hand off of back Supraspinatus - Empty Can Test * Shoulder flexed 90 Deg * Thumb pointing toward floor Teres Minor and Infraspinatus * Arm flexed at 90 Deg * Opposed External rotation 	1. Introduction 2. Wash hands 3. Focussed History i. Mechanism of injury ii. Hand dominance iii. Occupation/hobbies iv. Tetanus v. Previous problems with area to be examined 4. I would exclude other life threatening injuries first (if suggested by mechanism 5. ? any analgesia 6. I would like to examine your Do you mind if I talk to these other doctors as I go along? 7. Consider need for chaperone 8. Body of examination 9. Joints above and below 10. I would like to examine the neurovascular status of the limb 11. Summary i. There is ii. I would further investigate this by iii. The immediate management is	1. Generic Introduction 2. Exposure 3. Gait 4. Look i. Front, sides and backs for:
Shoulder 4	Wrist and Hand 3	Wrist and Hand 1
iii. Frozen shoulder - Global restriction in movement - Pain on ext rot - Worse at night - Diabetes - MSU for glycosuria - Analgesia + RICE + physio - Steroid injection - NSAIDs iv. Long head of biceps rupture - Ball like mass in upper arm - Weakness in flexion and suppination - Conservative management v. Clavicular # - CXR to exclude ptx 7. Key knowledge i. Rotator cuff - Subscapularis - Supraspinatus - Teres Minor - Infraspinatus ii. Sprengel Shoulder - congenital abnormality with high shoulders, small scapulae ± webs of skin running from shoulder to neck iii. Klippel-Feil Syndrome - high scapulae, short neck, multiple abnormalities of C vertebrae. Associated with diasomatomyelia, cord tethering, lumbosacral lipomata and renal abnormalities iv. Brachial plexus origins of peripheral nerves	Sensory * Ulna border little finger i. Radial • Motor * Extension fingers and wrist • Sensory * ASB 7. Special tests i. Tinnel's ii. Phalen's iii. Finkelstein's 8. Key Knowledge i. Hard swellings • Osteophytes • Tumours • Heberden's Nodes - DIPJ HD • Bouchard's Nodes - PIPJ BP • Both of the above suggestive of OA ii. Soft swellings - synovitis • Palpate APL and EPB for sponginess associated with De Quervians • Palpate flexor tendon sheaths • Palpate IPJs by squeezing from the side then pressing top and bottom • Feel for crepitus at radio carpal joint D/P IPJs and MCPJs	1. Generic Intro 2. Exposure i. From above elbows distally 2. Look i. Deformity • Wrist * Volar displacement suggest subluxation (RA) * Radial deviation (RA) • MCPJ * Ulnar deviation (RA) • IPJ * Boutonniere - damage to central slip of extensor expanse causes PIPJ to be exposed to unopposed flexion and herniate through extensor expanse. This causes lateral slips to be forced volarly and placed under tension leading to extension at DIPJ * Swan Neck - damage to volar plate allowing hyperextension causing PIPJ to sublux volarly * Mallet - fixed flexion at DIPJ due to injury to terminal extensor expanse ii. Swelling • At MCPJ or IPJs suggests synovitis • At MCPJ or IPJs suggests synovitis • At MCPJ loss of normal "hill-valley" contour • AT PIPJs results in spindling (RA) iii. Bruising iv. Errythema v. Scars vi. Muscle wasting • T1 nerve root or ulnar nerve injury vii. Trophic changes to skin/nails • Pitting - psoriasis • Onchyolysis - separation of nail from nail bed - psoriatic arthritis viii. Rashes - vasculitic/psoriatic ix. Contractures

Knee 2	∐in 1	
Nilee 2	Hip 1	Cervical Spine 1
8. Ottawa Knee Rule i. >55 ii. Isolated patella tenderness iii. Fibula head tenderness iv. Inability to flex to 90 Deg v. Inability to weight bear (4 steps) immediately and in the ED	1. Generic Introduction 2. Exposure 3. Gait 4. Look i. Front • Stance • Pelvic tilt • Muscle wasting • Scars • Sinuses • Erythema ii. Side • Stoop • Increased lumbar lordosis iii. Back • Scoliosis • Gluteal atrophy 5. Special Tests 1 i. Trendelenburg's Test • If pelvis tilts below the horizontal this is a sign of abductor weakness (Glut med and min) on the stance side e.g. L5 lesion, proximal myopathy, congenital hip abnormality ii. Ask patient to get on couch and measure true and apparent leg length • Apparent first - xiphisternum to med mall • True second * Straighten legs and lie them next to each other * Meaasure ASIS to Med mall * If abnormal decide whether above or below trochanter by placing fingers on ASIS and greater trochanter • If shorter distance between thumb and finger on affected side then cause is above trochanter • If no difference flex knees and lay legs next to each other and compare sides	1. Generic Introduction 2. Exposure 3. Consider the need to clear the cervical spine 4. Look i. Swelling iii. Deformity iiii. Scars iv. Sinuses v. Webbing of neck - Klippel-Feil vi. Muscle spasm vii. Thyroid enlargement viii. Lymphadenopathy ix. Erythema x. Eye problems xi. Rheumatological abnormalities 5. Feel i. Tenderness and swelling ii. Uneven spacing between spinous processes iii. Facet joints (one fingerbreadth lateral to the midline) iv. Paraspinal muscles v. Crepitus during flexion/extension = cervical spondylosis vi. Supraclavicular fossa for cervical rib and lymphadenopathy 6. Move i. Flexion -45 Deg ii. Lateral flexion - 45 Deg iii. Lateral flexion - 70-90 Deg v. Lhermitte's Sign - Multiple causes - MS Flex nexk Electric shock sensations down middle of spine. 7. Special Tests i. Spurling's Manouvere - Foramina stenosis or nerve root compression Actively extend and laterally flex neck Rotate spine to both sides Apply axial compression and ask about ipsilateral sx
Lumbo-sacral spine 1	Foot and Ankle 1	Psych 1
1. Generic Introduction 2. Exposure 3. Gait 4. Look i. Swelling ii. Deformity iii. Scars iv. Sinuses v. Hair patch vi. Muscle spasm vii. Erythema viii. Eye problems ix. Rheumatological abnormalities 4. Feel i. Tenderness and swelling ii. Uneven spacing between spinous processes iii. Facet joints (one fingerbreadth lateral to the midline) iv. Paraspinal muscles 5. Move i. Flexion - 45 Deg+ Schober's Test · Identify lumob-sacral jctn (@ level of Dimples of Venus) · Mark horizontal lines at this level, 10cm above and 5cm below · Measure between the top and bottom lines · Ask patient to flex & remeasure · Subtract 15cm. · Normal result is 6-7cm <5cm = spinal pathology ii. Extension - 25 Deg iii. Lateral flexion - 30 Deg iv. Rotation - 40 Deg 6. Special Tests i. SLR · Normal = 60 Deg · If pain present passively dorsiflex foot · Bowstring Test * Flex knee and apply form pressure to popliteal fossa * Positive if causes paraesthesia and radiating pain. * Indicative of sciatic nerve compression	1. Generic Introduction 2. Exposure 3. Gait 4. Look i. Look at soles of shoes for abnormal wear ii. Behind • Heel alignment iii. Side • Longitudinal medial arch - may be flattened - pes planus or exaggerated - pes cavus • If pes planus ask patient to stand on tip toes. This will correct abnormality if mobile abnormality iv. Scars v. Sinuses vi. Swelling vii. Bruising viii. Callous ix. Nail changes x. Oedema xi. Deformity xiii. Toes for deformity (esp hallux valgus) xiiii. Dactylitis (sausage digits seen in psoriatic arthropathy) xiv. Claw/Hammer/Mallet toe • Claw = Extension @ MTPJ and flexion at P/DIPJ • Hammer = boutonniere in finger • Mallet - same as finger 5. Feel i. Temperature ii. Compress over MT heads • Tenderness without sponginess * Morton's neuroma • Tenderness with sponginess * Synovitis 6. Move i. Active • Plantar flexion - 45 Deg • Dorsi flexion - 15 Deg • Inversion • Eversion	S ex male A ge older D epression/Hopelessness (better predictor than just depression) P revious attempt E thanol abuse R ational thought loss S ocial support lacking O rganised plan N o spuse S ickness 0-4 = low risk 5-6 = medium risk >6 = high risk Schneider's First Rank Symptoms 1. Auditory hallucinations i. Hearing voices referring to himself / herself (3rd person auditory hallucination) ii. Voices heard commenting on one's actions (hallucination of running commentary) iii. Thought echo (a form of auditory hallucination in which the patient hears his/her thoughts spoken aloud) 2. Somatic hallucinations 3. Passivity experiences e.g. made volition, made feeling & made impulse (delusions of control / of being controlled) 4. Thought withdrawal 5. Thought withdrawal 5. Thought insertion (thoughts are ascribed to other people who are intruding into the patient's mind) 6. Thought broadcasting (also called thought diffusion) 7. Delusional perception (linking a normal sensory perception to a bizarre conclusion, e.g. seeing an aeroplane means the patient is the president)

Cervical Spine 2	Hip 2	Alcohol
8. Neuro exam i. Cervical lesions tend to cause UMN signs • Weakness * Extensors weaker than flexors in arms * Reverse in legs • No/minimal uscle wating • Hypertonia • Hypertonia • Clonus • NO fasciculations • Exrensor plantar responses	i. Temperature ii. Effusion iii. Quads, GT & NoF iv. Lesser trochanter - iliopsoas v. Ischial tuberosity - hamstring 6. Move i. Thomas' Test plus flexion 120 Deg ii. AB/AD duction - stabilise pelvis with hand on opposite iliac crest 40/25 Deg iii. Int and Ext rot in flexion 45 Deg iv. Ext 5-20 Deg v. Int/Ext rotation in extension 35/45 Deg 7. Special Tests i. See above	1. Wernicke's i. Ataxia ii. Confusion iii. Nystagmus iv. Opthalmoplegia 2. Korsakoff's i. Selective Memory Impairment ii. Confabulation iii. Disorientation in time iv. No clouding of consciousness 3. CAGE i. Have you ever tried to Cut down your drinking? ii. Do you ever get Angry when people talk to you about your drinking? iii. Do you ever feel Guilty about your drinking? iv. Do you ever have an Eyeopener? v. 3 or 4 yes = +ve 4. PAT i. Quite a number of people have times when they drink more than others. What's the most in units you ever drink in a day? ii. If you drink more than 8 units (male)/6 units (female), is this at least once a week iii. Do you feel that your current attendance to the ED is as a result of EtOH? iv. If answer >8/6 units for i and yes to ii or iii then they are PAT positive and should receive a referral to EtOH worker ± written info 5. Definitions i. Hazardous drinking - >2x the upper limit of normal (8 units for a man/6 units for a woman) ii. Dependent Drinking - >2x upper limit every day. Do not benefit from brief intervention - need referral to alcohol worker ? any signs of withdrawal ? failed attempts to stop Specifically question for concomitant psychiatric disease Encourage patient to make connection between EtOH and negative consequences
Psych 2	Foot and Ankle 2	Lumbo-sacral spine 2
MMSE 1. Orientation i. Year, Month, Day, Date, Time - 1point for each ii. Country, Town, District, Hospital, Ward - 1point for each ii. Country, Town, District, Hospital, Ward - 1point for each ii. Name 3 objects 1 point for each if correct first time (keep repeating until patient learns) 3. Attention and calculation i. Subtract 7 from 100 five times/spell world backwards. 5 points 4. Recall i. Recall the earlier objects 3 points 5. Language i. Name a pencil and a watch 1 point for each ii. Repeat "no ifs, ands or buts" 1 point iii. Give a three stage command 1 point for each stage iv. Ask patient to read and obey a written instruction 1 point v. Ask the patient to write a sentence. Score if it is sensible and has a subject and verb 1 point 6. Ask patient to copy a pair of intersecting pentagons 1 point 7. Total score out of 30 Medical causes of depression 1. Hypothyroid 2. Diabetes 3. Addison's 4. SLE Mental Capacity Act 2005 1. In order to have capacity a patient must i. Understand on broad terms what is proposed ii. Retain the information iii. Weigh up that information iii. Weigh up that information iv. Be able to communicate that decision	ii. Passive • Dorsi/plantar flexion * Hold heel in cup of left hand * Index and thumb on malleoli * Put foot through RoM * If restricted dorsiflexion test with knee flexed and extended * If more flexion possible with knee flexed then consider gastrocnemius contracture • In/eversion * Dorsiflex foot to examine subtalar joint in isolation 7. Special Tests i. Simmond's	ii. Reverse Laségue test Patient Prone Flex the Patient's knee If pain in femoral distribution suggests upper L spine disc problem If pain in ipsilateral buttock/thigh suggests more distal disc problem iii. Patrick's Test Hip and knee flexed Lat mall on opposite patella Press on knee Positive if pain. Suggests OA hip/SI ds Completion I. Neuro exam of lower limbs Loss of hallux flexion is suggestive of cauda equina ii. I would like to perform an abdominal examination and examine peri-anal sensation and anal tone iii. I would also like to examine the hip and perform a vascular examination of the lower limb

Psych 3	Major Incident	
MSE 1. Appearance i. Hygiene ii. Dress 2. Behaviour i. Don't necessarily try and make patient sit down e.g. if manic patient pacing talk to them as they walk around the room ii. Check eye contact 3. Speech i. Look for Petardation Pressure Knight's move thinking Neologisms Clang associations Word salad 4. Mood 5. Thought i. Depression Vorthlessness Guilt Low self-esteem Misery ii. Mania Flight of ideas Delusions of grandeur iii. Schizophrenia First Rank Sx 6. Cognition i. Formal MMSE ii. If not possible (time) vattempt to briefly assess Orientation Memory Concentration Calculation skills 7. Insight Rook Foresser in Hygiene in Survivation of Survivation seess	An event where the location, number, severity or type of live casualties requires an extraordinary response M ajor incident standby/declared E xact location T ype of incident H azards A ccess N umber of cas E mergency services	

	Psych 4
	Mental Health Act 1983 A person suffering from a mental disorder may be treated under the act if they are considered to be a risk to themselves or others. Mental disorder is defined as ii. Mental illness iii. Mental impairment (incomplete or arrested development of mind) iv. Psychopathic disorder
	2. Section 2 i. Admission for up to 28/7 ii. 2 practitioners - one approved iii. Application made by social worker or nearest relative 3. Section 3 i. As above but detention for 6/12s 4. Section 4 i. Emergency section when admission required ii. Only requires one (preferably approved) doctor iii. To be used when a section 2 would be used if it were not an emergency 5. Section 5 (2) i. Doctor's Holding Power ii. Only used if impossible to use section 2-4 iii. Only applicable to inpatients - CAN NOT BE USED IN ED iv. Can not be used for treatment v. Used to detain patient for 72/24 - can not be renewed 6. Section 5 (4) i. Nurses Holding Power ii. As above but for 6/24 only iii. Must be a mental health nurse 7. Section 135 i. Allows an approved social worker to remove a patient to a place of safety iii. Needs a magistrate's warrant 8. Section 136 i. Allows police to remove patient to "place of safety"
	ii. Cannot extend by using Section 5(2) or 5(4) - must convert to Section 2 or 3 if admission required