

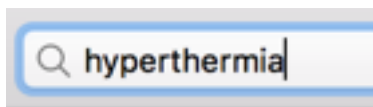
European Board Exam in Emergency medicine (EBEEM)

“Curriculum +”

#FOAMed resources for EBEEM preparation

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click on major topics/icons on this page below

3.2 SYMPTOMS, SIGNS & SITUATIONS

- 1 [Pain](#) (anatomical classification)
- 2 [Other Symptoms](#)
- 3 [Abnormal Vital Signs](#)
- 4 [Bleeding](#) (non-traumatic)
- 5 [Abnormal Physical and Mental Status Findings](#)
- 6 [Abnormal Blood and Urine Test Results](#)
- 7 [Specific Situations](#)

3.3 DIAGNOSES & SYNDROMES

- 1 [Cardiac Arrest](#)
- 2 [Upper airway and throat](#)
- 3 [Lung](#)
- 4 [Heart](#)
- 5 [Circulation and Vascular](#)
- 6 [Brain](#)
- 7 [Spinal cord and peripheral nervous system](#)
- 8 [Eye](#)
- 9 [Ear, Nose and Throat \(ENT\)](#)
- 10 [Gastrointestinal](#)
- 11 [Hepatobiliary and pancreas](#)
- 12 [Urogenital](#)
- 13 [Obstetrics](#)
- 14 [Musculoskeletal](#)
- 15 [Skin and soft tissue](#)
- 16 [Hematology, Coagulation & Oncology](#)

- 17 [Metabolism, Endocrinology, Auto-Immune](#)
- 18 [Infectious diseases](#)
- 19 [Poisonings](#)
- 20 [Exposure to External Factors](#)
- 21 [Psychiatry](#)

3.4 PROCEDURES & SKILLS

- 1 [Resuscitation](#) (incl. CPR)
- 2 [Airway](#)
- 3 [Breathing](#)
- 4 [Circulation](#)
- 5 [Disability](#)
- 6 [Exposure](#)
- 7 [Procedural Sedation and Analgesia \(PSA\)](#)
- 8 [Point-Of-Care Ultrasound](#)
- 9 [Musculoskeletal](#)
- 10 [Wound management](#)
- 11 [Ear-Nose-Throat](#)
- 12 [Ophthalmic](#)
- 13 [Oral and Maxillofacial](#)
- 14 [Gastrointestinal](#)
- 15 [Genitourinary](#)
- 16 [Obstetric and Gynecological](#)
- 17 [Psychiatric](#)
- 18 [Radiology](#)
- 19 [Transport](#)

Section 3.2: SYMPTOMS, SIGNS & SITUATIONS

3.2.1. Pain

Chest/thoracic pain

Quick Summary; Core EM: "[Chief Complaint – Chest Pain](#)"

Podcast w/ summary; EM Basic: "[Chest pain + notes](#)", 2011

Podcast w/ notes; Core EM: "[Chest Pain \(Ep.8\)](#)", 2015

Review + Podcast; EM Cases: "[Acute Coronary Syndromes Risk Stratification](#)", 2011

Abdominal pain/distension

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Podcast w/ summary; EM Basic: "[Abdominal pain](#)", 2011

Podcast w/ notes; Core EM: "[Extra-Abdominal Causes of Abdominal Pain \(Ep.22\)](#)", 2015

Flank pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pain and/or swelling of the extremities

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Headache

Podcast w/ summary; EM Basic: "[Headache](#)", 2011

Joint pain and/or swelling

Review; Core EM: "[Approach to Traumatic Shoulder Pain](#)"

Scrotal and/or testicular pain and/or swelling

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Back pain

Podcast w/ notes; Core EM: "[Killer Back Pain \(Ep.39\)](#)", 2016

Review; Core EM: "[Non-Traumatic Low Back Pain](#)"

Podcast w/ summary; EM Basic: "[Back pain](#)", 2011

Podcast w/ notes; Core EM: "[Lumbar Radiculopathy](#)", 2017

Anal pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Eye pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Ear pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Nose pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Throat pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Dysuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Dyspareunia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Vaginal/vulva pain or testicular pain and/or swelling

Podcast w/ summary; EM Basic: "[Testicular Pain](#)", 2011

Neck pain

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.2.2. Other Symptoms

Dyspnea

Podcast w/ summary; EM Basic: "[Shortness of breath](#)", 2011

Quick Summary; Core EM: "[Dyspnea](#)"

Fever/chills

Podcast w/ summary; EM Basic: "[Febrile infants](#)", 2011

Palpitations

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Nausea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pruritus

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Decreased sensation and paresthesias

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Weakness

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

(pre)-Syncope

Podcast w/ summary; EM Basic: "[syncope](#)", 2011

Dysphagia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Coordination difficulties

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Visual disturbances, including loss of vision and double vision

Review; Core EM: "[Non-Traumatic Monocular Vision Loss](#)"

Fatigue

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Vaginal discharge

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Polyuria and oligo/anuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Vertigo

Podcast w/ summary; EM Basic: "[Dizziness](#)", 2011

3.2.3. Abnormal Vital Signs

Bradypnea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Tachypnea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypotension

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypertension

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Bradycardia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Tachycardia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypothermia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hyperthermia

Podcast w/ summary; EM Basic: "[Hyperthermia](#)", 2017

Podcast w/ summary; EM Basic: "[Febrile infants](#)", 2011

Review; Core EM: "[Environmental Hyperthermia](#)"

3.2.4 Bleeding (non-traumatic)

Epistaxis

Podcast w/ summary; EM Basic: "[Epistaxis](#)", 2014

Podcast w/ notes; Core EM: "[Epistaxis \(Ep.89\)](#)", 2017

Hematemesis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hemoptysis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hematochezia and Melena

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hematuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Vaginal bleeding (non-pregnant, during pregnancy, postpartum)

Review; Core EM: "[Vaginal Bleeding](#)"

Podcast w/ summary; EM Basic: "[Non-Pregnant Vaginal Bleeding](#)", 2014

Podcast w/ notes; Core EM: "[Anti-D Immunoglobulin \(RhoGam\) in Early Pregnancy \(Ep.86\)](#)", 2017

Podcast w/ notes; Core EM: "[Post-partum Hemorrhage \(Ep.33\)](#)", 2016

3.2.5. Abnormal Physical and Mental Status Findings

Diarrhea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Constipation

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Cough

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Rash (including petechiae, urticaria)

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Jaundice

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Seizure

Podcast w/ summary; EM Basic: "[Seizures](#)", 2013

Podcast w/ summary ; EM Basic: "[Febrile Seizures](#)", 2014

Podcast w/ notes; Core EM: "[ED Management of Seizures \(Ep.82\)](#)", 2017

Vomiting

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Cognitive failure

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Altered level of consciousness including confusion, depressed level of consciousness and delirium

Podcast w/ summary; EM Basic: "[Altered Mental Status \(AMS\)](#)", 2011

Podcast w/ notes; Core EM: "[Wernicke's Encephalopathy \(Ep.115\)](#)", 2017

Podcast w/ notes; Core EM: "[Dementia, Delirium \(Ep.29\)](#)", 2016

Altered mood

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Altered behaviour

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Agitation and Aggressivity, incl. Delirium

Podcast w/ notes; Core EM: "[Dementia, Delirium \(Ep.29\)](#)", 2016

Paresis and speech disorder

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Red eye

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Wound

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.2.6. Abnormal Blood and Urine Test Results

Acidemia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Alkalemia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypoxia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypocapnea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypercapnea

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Anemia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Thrombocytopenia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Leukopenia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Leukocytosis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hyponatremia

Podcast w/ notes; Core EM: "[Hyponatremia \(58\)](#)", 2016

Hypernatremia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hypokalemia

Podcast w/ notes; Core EM: "[Hypokalemia](#)", 2017

Review; Core EM: "[Hypokalemia](#)"

Hyperkalemia

Podcast w/ summary; EM Basic: "[Hyperkalemia](#)", 2011

Review; Core EM: "[Hyperkalemia](#)"

Hypocalcemia

Review; Core EM: "[Hypocalcemia](#)"

Hypercalcemia

Review; Core EM: "[Hypercalcemia](#)"

Hypoglycemia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hyperglycemia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Increased INR

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Elevated liver enzymes

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Increased lactate

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Increased creatinine, urea or cystatin C

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Elevated CRP or ESR

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Elevated Troponin

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hematuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Proteinuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Ketonuria

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.2.7. Specific Situations

Intoxication

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Smoke inhalation

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Suicidality

Podcast w/ notes; Core EM: "[Suicide Assessment \(Ep.28\)](#)", 2016

Self-Injury (would call it self-harm)

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Transient loss of consciousness

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Trauma to the head and neck

Podcast w/ notes; Core EM: "[C-Spine Injuries \(Ep.36\)](#)", 2016

Facial trauma

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Crying baby

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Palliative (end of life) care in the ED

Podcast w/ notes; Core EM: "[Grand Rounds: Dying in the ED \(feat. Ashley Shreves\) \(Ep.26\)](#)", 2016

Section 3.3: SYNDROMES & DISEASE ENTITIES

3.3.1. Cardiac Arrest

Management of cardiac arrest with shockable rhythm

Podcast w/ notes; Core EM: "[VFib and Pulseless VTach \(Ep.62\)](#)", 2017

Management of cardiac arrest with non-shockable rhythm

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Identification and initial management of reversible causes

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.3.2. Upper airway and throat

Foreign body airway obstruction

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Anaphylaxis

Podcast w/ summary; EM Basic: "[Anaphylaxis Part 1- Diagnosis and Treatment + notes](#)", 2013

Podcast w/ summary; EM Basic: "[Anaphylaxis Part 2- Airway](#)", 2013

Review; Core EM: "[Anaphylaxis](#)"

Podcast w/ notes; Core EM: "[Anaphylaxis \(Ep.52\)](#)", 2016

Angioedema

Podcast w/ notes; Core EM: "[Angioedema \(Ep.107\)](#)", 2017

Review; Core EM: "[Angioedema](#)"

Herpes stomatitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Epiglottitis

Review; Core EM: "[Epiglottitis](#)"

Pharyngitis and laryngitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Tonsillitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Croup and pseudo-croup

Podcast w/ summary; EM Basic: "[Croup by Stewart Harsant and Taylor Fischer, PA-Cs](#)", 2017

Tracheitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Thermal damage to the upper airway

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Quinsy, in particular retropharyngeal abscess, peritonsillar abscess, Ludwig's angina

Review; Core EM: "[Peritonsillar Abscess](#)"

3.3.3. Lung

Asthma, in particular status asthmaticus

Podcast w/ notes; Core EM: "[Asthma and COPD \(Ep.17\)](#)", 2015

Podcast w/ notes; Core EM: "[Ventilation in the Intubated Asthmatic \(Ep.42\)](#)", 2017

Review; Core EM: "[Basic Asthma Management](#)"

Review; Core EM: "[Life-Threatening Asthma](#)"

Bronchitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Bronchiolitis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Chronic Obstructive Pulmonary Disease (COPD) exacerbation

Podcast w/ summary; EM Basic: "[COPD/Shortness of breath](#)", 2011

Podcast w/ summary; EM Basic: "[Oxygen in COPD- followup](#)", 2011

Podcast w/ notes; Core EM: "[Antibiotics in COPD Exacerbations \(Ep.69\)](#)", 2016

Podcast w/ notes; Core EM: "[Asthma and COPD \(Ep.17\)](#)", 2015

Review; Core EM: "[Supplemental O2 in COPD Exacerbation](#)"

Carbon dioxide retention

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pneumonia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Empyema

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pulmonary Edema

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pneumothorax, in particular tension pneumothorax

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Hemothorax

Review; Core EM: "[Traumatic Hemothorax](#)"

Pulmonary contusion

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Lung abscess

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pleural effusion

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Foreign body inhalation

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pneumomediastinum

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

ARDS

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Pulmonary fibrosis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Lung contusion

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.3.4. Heart

Pericarditis

Podcast w/ notes; Core EM: "[Pericarditis \(Ep.65\)](#)", 2017

Review; Core EM: "[Pericarditis review](#)"

Myocarditis

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Cardiac tamponade

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Heart Failure

Podcast w/ notes; Core EM: "[Ac. Pulmonary Edema \(Ep.71\)](#)", 2017

Review; Core EM: "[Acute Pulmonary Edema review](#)"

Review; Core EM: "[Congestive Heart Failure review](#)"

Review; Core EM: "[Cardiogenic Shock review](#)"

Valvular pathology

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Endocarditis

Review; Core EM: "[Infective Endocarditis review](#)",

Acute Coronary Syndrome-STEMI

Podcast w/ summary; EM Basic: "[MI and ACS](#)", 2011

Review; Core EM: "[ST Elevation Myocardial Infarction in LBBB](#)"

Acute coronary syndrome-NSTEMI and unstable angina

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Stable angina

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Podcast w/ notes; Core EM: "[Simplified Approach to Tachydysrhythmias \(Ep.88\)](#)", 2017

Review; Core EM: "[A Simplified Approach to Tachydysrhythmias review](#)"

Sinus Tachycardia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Atrial fibrillation and flutter

Podcast w/ notes; Core EM: "[Cardioversion in Recent Onset AF \(Ep.98\)](#)", 2017

Review; Core EM: "[Recent-Onset Atrial Fibrillation review](#)"

Podcast w/ notes; Core EM: "[Rate Control in Atrial Fibrillation \(Ep.64\)](#)", 2017

Ectopic atrial tachycardia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

AVNRT and AVRT

Podcast w/ notes; Core EM: "[AVNRT \(Ep.20\)](#)", 2015

Review; Core EM: "[Atrioventricular Nodal Reentrant Tachycardia \(AVNRT\) review](#)"

Podcast w/ notes; Core EM: "[Valsalva Maneuver in SVT \(Ep.102\)](#)", 2017

Ventricular tachycardia

Review; Core EM: "[Ventricular Tachycardia review](#)"

Torsades de pointes

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Atrial fibrillation in the Wolff-Parkinson-White syndrome

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Brugada syndrome

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Long QT syndrome

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Sick sinus syndrome

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Sinus bradycardia

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

AV block

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

Junctional rhythm

Quick Summary; AliEM: "[10 Tips for Approaching Abdominal Pain in the Elderly](#)", 2013

3.3.5. Circulation and Vascular

Hypovolemic shock

Cardiogenic shock

Obstructive shock

Distributive shock

Podcast w/ notes; Core EM: "[Fluid Responsiveness + Resuscitation \(Ep.75\)](#)", 2017

Review; Core EM: "[Fluid Resuscitation review](#)"

Reflex syncope

Orthostatic syncope

Cardiovascular syncope

Hypertensive emergencies, including hypertensive crisis, hypertensive encephalopathy

Podcast w/ summary; EM Basic: "[Asymptomatic Hypertension + notes](#)", 2014

Arterial insufficiency

Arterial embolization

Aortic dissection

Review; Core EM: "[Aortic Dissection review](#)"

Podcast w/ summary; EM Basic: "[Aortic Dissection](#)", 2015

Carotid artery dissection

Vasculitis, in particular giant cell arteritis

Ruptured / symptomatic aortic aneurysm, in particular abdominal (AAA)

Review; Core EM: "[Abdominal Aortic Aneurysm review](#)"

Deep vein thrombosis

Review; Core EM: "[Deep Venous Thrombosis \(DVT\) review](#)"

Pulmonary embolism

Podcast w/ summary; EM Basic: "[PE part 1 + notes](#)", 2014

Podcast w/ summary; EM Basic: "[PE Part 2- Risk stratification and treatment + notes](#)", 2014

Review; Core EM: "[Hemodynamically Unstable Pulmonary Embolism](#)"

Thrombophlebitis

Review; Core EM: "[Superficial Venous Thrombosis \(SVT\) review](#)",

Superior vena cava syndrome

3.3.6. Brain

Stroke

Podcast w/ summary; EM Basic: "[Stroke and Transient Ischemic Attack \(TIA\)](#)", 2011

Transient ischemic attack

Osmotic demyelination syndrome

Intracranial hemorrhage

Cerebral sinus thrombosis

Migraine

Cluster headache

Tension headache

Meningitis

Podcast w/ notes; Core EM: "[Meningitis \(Ep.93\)](#)", 2017

Encephalitis

Brain metastases

Brain abscess

Raised intracranial pressure

Podcast w/ notes; Core EM: "[Idiopathic Intracranial Hypertension \(Ep.127\)](#)", 2018

Febrile seizure in children

Podcast w/ summary ; EM Basic: "[Febrile Seizures](#)", 2014

Partial complex seizure

Status epilepticus

Podcast w/ notes; Core EM: "[ED Management of Seizures \(Ep.82\)](#)", 2017

Pseudoseizure

Complication of CNS devices

Subarachnoid haemorrhage

Intracerebral hematoma (ICH)

Podcast w/ notes; Core EM: "[Platelet Transfusion in Intracerebral Hemorrhage \(Ep.55\)](#)", 2016

Podcast w/ notes; Core EM: "[Delayed ICH in Head Trauma Patients on Blood Thinners \(Ep.43\)](#)", 2016

Epidural and subdural hematoma
traumatic ICH and traumatic SAH

Podcast w/ notes; Core EM: "[Traumatic ICH Management \(Ep.84\)](#)", 2017

Dementia

Podcast w/ notes; Core EM: "[Dementia, Delirium \(Ep.29\)](#)", 2016

Hydrocephalus

Comotio cerebri, traumatic brain injury

J Article; Ann EM; "[Management of Minor Head Injury in Patients Receiving Oral Anticoagulant Therapy: A Prospective Study of a 24-Hour Observation Protocol](#)", 2012

3.3.7. Spinal cord and peripheral nervous system

Myelopathy, spinal cord compression/injury/syndromes

Spinal epidural abscess

Cauda equina syndrome

Radiculopathy, in particular cervical and lumbar

Mononeuropathy

Polyneuropathy, in particular Guillain Barré Syndrome

Myasthenia gravis and myasthenic crisis

Trigeminal neuralgia

3.3.8. Eye

Podcast w/ summary; EM Basic: "[Eye Complaints + notes](#)", 2013

Conjunctivitis

Dacrocystitis

Endophthalmitis

Uveitis

Keratitis

Review; Core EM: "[Herpes Keratitis](#)"

Orbital and periorbital cellulitis

Scleritis and episcleritis

Vitreous hemorrhage

Acute glaucoma

Optic neuritis
Herpes zoster ophthalmicus
Foreign Body
Retinal artery and vein occlusion
Corneal abrasions
Retinal injury
Blow out fracture
Perforating injuries of the globe

Review; Core EM: "[Traumatic Ocular Injuries](#)"

3.3.9. Ear and Nose

Otitis media et external

Review; Core EM: "[Acute Otitis Media](#)"

Sinusitis

Podcast w/ notes; Core EM: "[Acute Rhinosinusitis \(Ep.90\)](#)", 2017

Review; Core EM: "[Acute Rhinosinusitis](#)"

Vestibular neuritis

Benign paroxysmal positional vertigo

Menière's disease

Foreign body

Mastoiditis

Eardrum perforation

Auricular hematoma

Nasal septal hematoma

3.3.10. Gastrointestinal

Upper gastrointestinal bleeding, including bleeding oesophageal varices

Podcast w/ notes; Core EM: "[Upper GI Bleeding \(Ep.72\)](#)", 2017

Lower gastrointestinal bleeding

Gastro-esophageal reflux disease

Esophageal rupture

Podcast w/ notes; Core EM: "[Boerhaave Syndrome \(Ep.66\)](#)", 2016

Esophageal spasm

Peptic ulcers, in particular perforated ulcer

Inflammatory bowel disease

Gastritis

Podcast w/ notes; Core EM: "[Gastroesophageal Reflux \(GERD\) \(Ep.74\)](#)", 2017

Gastroenteritis

Intestinal Ischemia including mesenteric ischemia and ischemic colitis

Appendicitis

Diverticulitis including perforation

Small bowel obstruction (SBO)

Podcast w/ notes; Core EM: "[Small bowel obstruction \(SBO; Ep.23\)](#)", 2015

Review; Core EM: "[Small Bowel Obstruction](#)"

Large bowel obstruction

Volvulus

Intussusception

Fecal impaction

Viscus perforation

Hernias, in particular incarcerated hernias

Internal hernia after gastric bypass

Hiatus hernia

Foreign Body

Podcast w/ notes; Core EM: "[Button battery ingestion \(Ep.116\)](#)", 2017

Podcast w/ notes; Core EM: "[Esophageal Food Impaction + Peds Appy \(Ep.21\)](#)", 2015

Anorectal problems

Anal fissure

Hemorrhoids including thrombosed external hemorrhoids

Perianal abscess

Pilonidal abscess

Pyloric stenosis

Hirschsprung's disease

Meckel's diverticulum

Peritonitis

3.3.11. Hepatobiliary and pancreas

Hepatitis including fulminant hepatic failure

Cirrhosis

Ascites

Spontaneous bacterial peritonitis

Hepatic encephalopathy

Podcast w/ notes; Core EM: "[Hepatic Encephalopathy \(Ep.24\)](#)", 2015

Biliary colic

Cholecystitis

Podcast w/ notes; Core EM: "[Ac. Cholecystitis \(Ep.117\)](#)", 2017

Review; Core EM: "[Cholangitis](#)"

Cholangitis

Podcast w/ notes; Core EM: "[Cholangitis \(Ep.118\)](#)", 2017

Review; Core EM: "[Acute Cholecystitis](#)"

Pancreatitis

Podcast w/ notes; Core EM: "[Pancreatitis \(Ep.121\)](#)", 2017

3.3.12. Urogenital

Podcast w/ notes; Core EM: "[Renal + GU Emergencies \(Ep.109\)](#)", 2017

Cystitis

Pyelonephritis

Nephrolithiasis including septic stone (terminology?)

Podcast w/ notes; Core EM: "[Analgesia in Renal Colic \(Ep.51\)](#)", 2016

Review; Core EM: "[Ureteral Colic](#)"

Urinary retention

Hydronephrosis

Renal failure/kidney injury, acute and subacute

Nephrotic syndrome

Ovarian torsion

Podcast w/ notes; Core EM: "[Ovarian Pathology \(Ep.37\)](#)", 2016

Review; Core EM: "[Ovarian Torsion](#)"

Ovarian cyst rupture

Testicular torsion

Review; Core EM: "[Testicular Torsion](#)"

Epididymitis

Orchitis

Torsion of Morgagni's hydatid

Testicular hematoma

Scrotal hydrocele

Priapism

Podcast w/ notes; Core EM: "[Priapism \(Ep.103\)](#)", 2017

Review; Core EM: "[Priapism](#)"

Paraphimosis

Pelvic inflammatory disease, including **metritis** and **salpingitis** and other **STDs**

Podcast w/ notes; Core EM: "[Sexually Transmitted Infections \(Ep.38\)](#)", 2016

Vulvovaginitis

Bartholin gland abscess

Prostatitis

Balanitis

Bladder rupture

Urethral rupture

3.3.13. Obstetrics

Extrauterine pregnancy

Review; Core EM: "[Ectopic Pregnancy](#)"

HELLP syndrome

Pre-eclampsia and eclampsia

Podcast w/ notes; Core EM: "[Preeclampsia + Eclampsia \(Ep.113\)](#)", 2017

Review; Core EM: "[Preeclampsia and Eclampsia](#)"

Spontaneous abortion

Abruptio placentae

Placenta previa

Hyperemesis gravidarum

Trauma in pregnancy

Podcast w/ notes; Core EM: "[Trauma in Pregnancy \(Ep.34\)](#)", 2016

Infections in pregnancy

Review; Core EM: "[Infections in Pregnancy](#)"

3.3.14. Musculoskeletal

Idiopathic inflammatory myopathies including polymyositis, dermatomyositis

Polymyalgia rheumatica

Lumbago

Fractures

Review; Core EM: "[Pelvic Vertical Shear Fractures](#)"

Review; Core EM: "[Intertrochanteric Fractures](#)"

Review; Core EM: "[Lisfranc Injuries](#)"

Review; Core EM: "[Olecranon Fractures](#)"

Review; Core EM: "[Distal Radius Fractures](#)"

Review; Core EM: "[Scaphoid Fractures](#)"

Review; Core EM: "[Calcaneus Fractures](#)"

Review; Core EM: "[Proximal Humerus Fracture](#)"

Review; Core EM: "[Clavicle Fractures](#)"

Review; Core EM: "[Femoral Neck Fractures](#)"

Review; Core EM: "[Pediatric Supracondylar Fractures](#)"

Review; Core EM: "[Ankle Fractures](#)"

Review; Core EM: "[Tibial Plateau Fractures](#)"

Review; Core EM: "[Radial Head Fracture](#)"

Review; Core EM: "[Open Fractures](#)"

Osteomyelitis

Herniated Disc

Costochondritis

Discitis

Arthritis (in particular septic, crystal)

Podcast w/ summary; EM Basic: "[Monoarticular Arthritis](#)", 2013

Review; Core EM: "[Septic Arthritis](#)"

Review; Core EM: "[Pediatric Septic Hip](#)"

Osteoarthritis

Bursitis

Cellulitis

Review; Core EM: "[Cellulitis](#)"

Meniscal injury

Review; Core EM: "[Anterior Cruciate Ligament \(ACL\) Injuries](#)"

Tendon injury

Podcast w/ notes; Core EM: "[Flexor Tenosynovitis \(Ep.126\)](#)", 2017

Ligament injury

Review; Core EM: "[Acromioclavicular \(AC\) Joint Injuries](#)"

Compartment syndrome

Review; Core EM: "[Compartment Syndrome](#)"

Dislocations (in particular hip, shoulder)

Review; Core EM: "[Shoulder Dislocation](#)"

Review; Core EM: "[Hip Dislocation](#)"

Podcast w/ notes; Core EM: "[True Knee Dislocations \(Ep.122\)](#)", 2017

Review; Core EM: "[True Knee + Patellar Dislocations](#)"

Review; Core EM: "[Elbow Dislocation](#)"

Podcast w/ notes; Core EM: "[TMJ Dislocation \(Ep.47\)](#)", 2016

Review; Core EM: "[Subtalar Dislocation](#)"

Review; Core EM: "[Lunate Dislocation](#)"

Crush syndrome

Rhabdomyolysis

Flail chest

Open chest

Limb, hand and feet injury

Podcast w/ notes; Core EM: "[The Lisfranc Injury \(Ep.76\)](#)", 2017

Review; Core EM: "[Finger Injuries](#)"

3.3.15. Skin and soft tissue

Stevens-Johnson syndrome and toxic epidermal necrolysis

Toxic shock syndrome (Streptococcal and Staphylococcal)

Necrotizing fasciitis and necrotizing myositis

Abscess

Erysipelas and Cellulitis

Podcast w/ notes; Core EM: "[Initial Antibiotic Choice in Cellulitis \(Ep.105\)](#)", 2017

Review; Core EM: "[Cellulitis](#)"

Bites and stings

Podcast w/ notes; Core EM: "[Bites and stings \(Ep.120\)](#)", 2017

Podcast w/ notes; Core EM: "[Mammal Bites \(Ep.94\)](#)", 2017

Mastitis

Exanthemata (viral, drug-induced)

Meningococemia

Lymphangitis

3.3.16. Hematology, Coagulation and Oncologic emergencies

Podcast w/ summary; EM Basic: "[Heme Onc Part 1- Oncology Emergencies](#)", 2015

Podcast w/ summary; EM Basic: "[Heme Onc Part 2- Hematology Emergencies](#)", 2015

Neutropenic fever

Disseminated intravascular coagulation

Drug-induced bleeding (anticoagulants, antiplatelet agents, fibrinolytics)

Idiopathic thrombocytopenic purpura

Hemophilias

Von Willebrand's disease

Hemolytic anemia, including the microangiopathic hemolytic anemias

Thrombotic thrombocytopenic purpura

Hemolytic uremic syndrome

Sickle cell disease and sickle cell crisis

Podcast w/ summary; EM Basic: "[Sickle Cell Anemia by Dr. Jared Walker](#)", 2017

Transfusion reactions

Tumor lysis syndrome

Methemoglobinemia

Podcast w/ notes; Core EM: "[Methemoglobinemia \(Ep.97\)](#)", 2017

Review; Core EM: "[Methemoglobinemia](#)"

Leukemias

Review; Core EM: "[Emergency Management of Blast Crisis](#)"

Lymphomas

3.3.17. Metabolism, Endocrinology, Auto-Immune

Metabolic acidosis with normal anion gap

Metabolic acidosis with elevated anion gap

Metabolic alkalosis

Respiratory acidosis

Respiratory alkalosis

Acute hyponatremia including hyponatremic encephalopathy

Podcast w/ [summary](#); EM Basic: "[Hyponatremia](#)", 2011

Review; Core EM: "[Severe Hyponatremia](#)"

Chronic hyponatremia

SIADH

Diabetic ketoacidosis (DKA)

Podcast w/ [summary](#); EM Basic: "[Diabetic Ketoacidosis \(DKA\)](#)", 2011

Podcast w/ [notes](#); Core EM: "[Aggressive Resuscitation of Diabetic Ketoacidosis \(Ep.60\)](#)", 2016

Review; Core EM: "[Diabetic Ketoacidosis \(DKA\)](#)"

Hyperosmolar hyperglycemic syndrome

Review; Core EM: "[Hyperglycemic Hyperosmolar Syndrome](#)"

Adrenal insufficiency and adrenal crisis

Podcast w/ [notes](#); Core EM: "[Adrenal Crises \(Ep.15\)](#)", 2015

Review; Core EM: "[Adrenal Crisis](#)"

Hyperthyroidism, thyrotoxicosis and thyroid storm

Podcast w/ [summary](#); EM Basic: "[Thyroid Emergencies by Dr. Patrick Ng](#)", 2017

Podcast w/ [notes](#); Core EM: "[Severe Decompensated Hyperthyroidism \(Ep.59\)](#)", 2016

Review; Core EM: "[Thyroid Storm](#)"

Hypothyroidism and myxedema coma

Porphyria including acute porphyria crisis

Familial Mediterranean Fever

Food allergy

Systemic lupus erythematosus

Sarcoidosis

Diabetes mellitus

Review; Core EM: "[Pharmacology of Insulins](#)"

Diabetes insipidus

3.3.18. Infectious diseases

Sepsis and septic shock

Podcast w/ [summary](#); EM Basic: "[Sepsis 3.0](#)", 2017

Review; Core EM: "[Surviving Sepsis 2017 Guidelines Overview](#)"

Tuberculosis

HIV and AIDS

Lyme disease and neuroborreliosis

Cholera

Herpes Zoster and other herpetic infections

Podcast w/ notes; Core EM: "[Herpes Zoster \(Ep.112\)](#)", 2017

Podcast w/ notes; Core EM: "[Non-Genital Herpetic Infections \(Ep.41\)](#)", 2017

Review; Core EM: "[Herpes Zoster](#)"

Multi-resistant bacteria

Rabies

Tetanus

Measles

Podcast w/ summary; EM Basic: "[Measles](#)", 2015

Influenza

Tick borne illnesses

Podcast w/ notes; Core EM: "[Tick Borne Illnesses \(Ep.44\)](#)", 2016

Botulism

Malaria

Dental infections

3.3.19. Poisoning

Sympathomimetic toxidrome

Review; Core EM: "[Methamphetamine Intoxication](#)"

Sedative / hypnotic toxidrome

Review; Core EM: "[Parenteral Benzodiazepines](#)"

Opioid toxidrome

Podcast w/ summary; EM Basic: "[Opioids Part 1 by Dr. Sheyna Gifford](#)", 2017

Podcast w/ summary; EM Basic: "[Opioids Part 2 by Dr Sheyna Gifford](#)", 2017

Cholinergic toxidrome

Anticholinergic toxidrome

Podcast w/ notes; Core EM: "[Anticholinergic Poisoning \(Ep.48\)](#)", 2016

Serotonin syndrome

Neuroleptic malignant syndrome

Membrane stabilizing effects on ECG; TCA, local anesthetics

Podcast w/ notes; Core EM: "[Local Anesthetic Systemic Toxicity \(LAST\) \(Ep.95\)](#)", 2017

Review; Core EM: "[Tricyclic Antidepressant Toxicity](#)"

Paracetamol intoxication

Podcast w/ summary; EM Basic: "[Acetaminophen overdose](#)", 2014

NSAID intoxication

Beta-blocker intoxication

Review; Core EM: "[Hyperinsulinemia Euglycemia Therapy \(HIET\) for Beta Blocker and Calcium Channel Blocker Toxicity](#)"

Calcium channel antagonist intoxication

Digoxin intoxication

Warfarin intoxication

NOAC intoxication

Acetylsalicylic acid intoxication

Podcast w/ summary; EM Basic: "[Salicylate Overdose](#)", 2014

Ethanol intoxication and withdrawal

Podcast w/ notes; Core EM: "[Evaluation of the Alcohol Intoxicated Patient \(Ep.114\)](#)", 2017

Podcast w/ notes; Core EM: "[Phenobarbital in Alcohol Withdrawal \(Ep.57\)](#)", 2016

Podcast w/ notes; Core EM: "[Alcohol Withdrawal \(Ep.49\)](#)", 2016

Ethylene glycol intoxication

Methanol intoxication

Corrosive substance intoxication

Gamma-hydroxybutyric acid (GHB) intoxication

Amphetamine intoxication

Cocaine intoxication

Smoke inhalation, in particular carbon monoxide and cyanide poisoning

Podcast w/ notes; Core EM: "[Carbon Monoxide Poisoning \(Ep.96\)](#)", 2017

Interactions between drugs / substances and other side effects

Podcast w/ notes; Core EM: "[Metformin-Associated Lactic Acidosis \(Ep.124\)](#)", 2017

Heavy-metal poisoning

Mushroom poisoning

Organophosphate intoxication

Scambroid food poisoning

3.3.20. Exposure to External Factors

Burns

Podcast w/ notes; Core EM: "[Major Burns \(Ep.101\)](#)", 2017

Frostbite

Chemical- and radiation accidents

Toxic and irritant gases

Explosion - barotrauma

Electricity and Lightning

Podcast w/ notes; Core EM: "[Electrical and Lightning Injuries \(Ep.1\)](#)", 2015

Drowning

Decompression sickness

Missed essential therapy (e.g. dialysis)

Podcast w/ notes; Core EM: "[Dialysis Emergencies \(Ep.92\)](#)", 2017

Faulty medication doses

3.3.21. Psychiatry

Podcast w/ summary; EM Basic: "[Psychiatric Emergencies Part 1 with Dr. Les Zun](#)", 2014

Podcast w/ summary; EM Basic: "[Psychiatric Emergencies Part 2 with Dr. Les Zun](#)", 2014

Deliberate self-harm

Depression

Anxiety including panic attacks

Substance Abuse

Conversion disorders

Acute psychosis, delusional disorder

Severe eating disorders / anorexia and bulimia

Crisis Reaction

Psychosocial problems

3.3.22. Conditions specific to children

Podcast w/ notes; Core EM: "[ALTE \(Ep.16\)](#)", 2015

Review; Core EM: "[Apparent Life-Threatening Event \(ALTE\) review](#)"

Review; Core EM: "[Slipped Capital Femoral Epiphysis \(SCFE\)](#)"

Section 3.4:

PROCEDURES & SKILLS

3.4.1 Cardiopulmonary Resuscitation

Chest compressions and ventilation

Podcast w/ notes; Core EM: "[Intubation in In-Hospital Cardiac Arrest \(Ep.108\)](#)", 2017

Defibrillation

Podcast w/ notes; Core EM: "[VFib and Pulseless VTach \(Ep.62\)](#)", 2017

Review; Core EM: "[Procedure: Proper Defibrillator Pad Placement + Dual Sequential Defibrillation](#)"

Use of medications

Use of **POCUS**

Open chest CPR

Resuscitative thoracotomy

Perimortem C-section

Review; Core EM: "[Peri-Mortem C-Section](#)"

3.4.2 Airway management

Podcast + summary; EM Basic: "[Airway basic introduction](#)", 2011

Podcast w/ 🎧; EMCrit: "[Podcast 70 – Airway Management with Rich Levitan](#)", 2011

Podcast w/ 🎧; EM Basic: "[Airway Update Screencast](#)", 2014

Podcast w/ notes; Core EM: "[The Traumatized Airway \(Ep.79\)](#)", 2017

Fiberscopic examination of the upper airway

Simple airway opening maneuvers

Oropharyngeal and nasopharyngeal airways

Laryngeal mask airway

Endotracheal intubation

Podcast w/ notes; Core EM: "[Preoxygenation \(Ep.54\)](#)", 2016

Review; Core EM: "[Procedure: Bed Up Head Elevated Positioning for Airway Management](#)"

Rapid sequence intubation (i.e. knowledge of relevant drugs)

Podcast w/ notes; Core EM: "[Advanced RSI Topics \(Ep.110\)](#)", 2017

Review; Core EM: "[Rapid Sequence Intubation Medications review](#)"

Review; Core EM: "[Post-Intubation Sedation and Analgesia review](#)"

Cricothyrotomy

Needle cricothyrotomy and jet insufflation

Replacement of blocked or dislodged tracheostomy

Review; Core EM: "[Common Tracheostomy Issues](#)"

3.4.3 Breathing

Assessment of breathing and ventilation

Oxygen therapy

Interpretation of blood gas analysis

Interpretation of pulse oximetry

Interpretation of capnography

Bag-valve-mask ventilation

Non-invasive ventilation

Podcast w/ summary; EM Basic: "[Non-invasive Ventilation](#)", 2011

Review; Core EM: "[Procedure: Setting Up Non-Invasive Ventilation](#)"

Invasive ventilation techniques

Podcast w/ notes; Core EM: "[Ventilation in the Intubated Asthmatic \(Ep.42\)](#)", 2017

Setting up a (transport) ventilator

Needle decompression / finger thoracostomy

Chest tube insertion

Thoracocentesis

3.4.4 Circulation

Administration of fluids including blood products

Cardioversion

Transcutaneous pacing

Emergency pericardiocentesis

Review; Core EM: "[Ultrasound Guided Pericardiocentesis](#)"

Peripheral venous access

Review; Core EM: "[Procedure: How to Start a Peripheral IV](#)"

Central venous catheterization

Intraosseous access

Arterial access

Review; Core EM: "[Procedure: How to Set Up an Arterial Line](#)"

Ultrasound guided peripheral/central vascular access

Arterial puncture for blood sampling

Systemic 12-lead EKG interpretation

Use of push-dose vasopressors and inotropes

Review; EMCrit: "[EMCrit Podcast 6 – Push-Dose Pressors](#)"

Review; Core EM: "[Procedure: How to Use a Magnet for Pacemakers + ICDs](#)"

3.4.5 Disability

Neurological Examination

Evaluation of consciousness including the Glasgow Coma Scale

Lumbar puncture and CSF analysis

3.4.6 Exposure

Log roll, transfer and spine immobilisation

Measuring and monitoring of body temperature

Cooling techniques (evaporative cooling, ice water or slush immersion)

Warming techniques

Monitoring heat stroke patients

Treatment and prevention of hyper- and hypothermia

Podcast w/ summary; EM Basic: "[Hypothermia by Dr. Andrea Sarchi](#)", 2017

Decontamination of patient and the environment

Patient isolation and staff protection

3.4.7 Analgesia and Procedural Sedation

Podcast w/ summary; EM Basic: "[Procedural Sedation Part 1- Preparation](#)", 2011

Podcast w/ summary; EM Basic: "[Procedural Sedation Part 2- Medications](#)", 2011

Podcast w/ notes; Core EM: "[Procedural Sedation and Analgesia I \(Ep.104\)](#)", 2017

Podcast w/ notes; Core EM: "[Procedural Sedation and Analgesia II \(Ep.106\)](#)", 2017

Podcast w/ notes; Core EM: "[Sedation of the Agitated Patient \(Ep.56\)](#)", 2016

Review; Core EM: "[Procedural Sedation and Analgesia Resources review](#)"

Assessment of the level of pain and sedation

Monitor vital signs and potential side effects during pain management

Provide procedural sedation and analgesia including conscious sedation (including testing of life support equipment)

Use of appropriate local, topical and regional anaesthesia techniques-preferably ultrasound guided

Review; Core EM: "[Procedure: Digital Nerve Block](#)"

3.4.8. Point-Of-Care Ultrasound (PoCUS)

Cardiac views - focused cardiac ultrasound (subxiphoid, parasternal long axis, parasternal short axis, apical four chamber): identification of pericardial fluid, tamponade, dilated right ventricle, decreased contractility/left ventricular function, asystole

Inferior vena cava: measurement of size and collapse upon inspiration

Perihepatic and perisplenic views: identification of intraabdominal fluid, hydronephrosis, pleural fluid, pulmonary consolidation

Suprapubic views (sagittal and transverse): identification of intraabdominal fluid, distended urinary bladder, intrauterine pregnancy

Abdominal aorta: identification of abdominal aortic aneurysm, possible dissection flap

Lung: identification of pneumothorax, interstitial syndromes, consolidations, correct endotracheal tube placement

Hepatobiliary: identification of gallstones, cholecystitis, dilated common bile duct, pericholic fluid

Proximal femoral vein and popliteal vein - two-point limited compression ultrasound: identification of deep venous thrombosis

Ocular: identification of globe rupture, intraocular foreign body, retinal detachment, elevated ICP, eye movement, vitreous hemorrhage, pupillary reflex

Soft-tissue: identification of foreign body, fluid collection/abscess, cellulitis

Ultrasound-guided nerve blocks

Review; Core EM: "[Common Forearm Nerve Blocks](#)"

Ultrasound-guided peripheral/central vascular access

Ultrasound-guided pericardiocentesis in the setting of pericardial tamponade

Review; Core EM: "[Ultrasound Guided Pericardiocentesis](#)"

3.4.9. Musculoskeletal

Review; Core EM: "[Initial Trauma Assessment](#)"

Podcast w/ summary; EM Basic: "[Trauma Resuscitation Part 1- the evaluation](#) + [notes](#)", 2011

Podcast w/ summary; EM Basic: "[Trauma Resuscitation Part 2- Interventions](#) + [notes](#)", 2011

Podcast w/ notes; Core EM: "[Penetrating Chest Trauma](#)", 2017

Joint examination

Aseptic joint aspiration and fluid analysis

Fracture reduction and immobilisation

Reduction of joint dislocation

Podcast w/ notes; Core EM: "[TMJ Dislocation \(Ep.47\)](#)", 2016

Review; Core EM: "[Temporomandibular Joint \(TMJ\) Dislocation](#)"

Splinting (plasters, braces, slings, tapes and other bandages)

Management of compartment syndrome

Application of pelvic binder

Review; Core EM: "[Procedure: How to Apply a Pelvic Binder](#)"

3.4.10. Wound management

Peripheral neurovascular examination

Local and regional anesthesia for the treatment of minor wounds

Wound cleaning

Principles of wound healing and closure

Incision and drainage (simple, superficial abscess, paronychia, subungual haematoma)

Review; Core EM: "[Procedure: Incision and Drainage of Cutaneous Abscesses](#)"

Nail bed repair

Aseptic techniques

Treatment of lacerations and soft tissue injuries (basic and advanced skin suturing techniques, alternative skin closure, e.g. tissue adhesives, staples)

Review; Core EM: "[Suture Materials](#)"

Wound exploration, cleaning, irrigation, debridement and wound closure

Superficial open wound dressing

Burn first aid and debridement of burns, primary burn dressings

Soft tissue ultrasound (presence/ absence of foreign bodies)

Fasciotomy

Escharotomy

3.4.11. Ear-Nose-Throat

Anterior rhinoscopy using nasal speculum

Nasal cautery

Insertion of nasal pack (anterior and posterior packing)

Inspection of oropharynx and larynx

Otoscopy

Dix-Hallpike and Epley's Manoeuvre

Head impulse test and test of skew

Removal of nasal, aural and laryngeal foreign body if airway is compromised

Insertion and replacement of tracheostomy tube

Aspiration or incision/drainage of peritonsillar abscess

Review; Core EM: "[Procedure: Drainage of a Peritonsillar Abscess](#)"

Reduction of Temporo-mandibular (TMJ) joint dislocation

Podcast w/ notes; Core EM: "[TMJ Dislocation \(Ep.47\)](#)", 2016

Review; Core EM: "[Procedure: TMJ Dislocation Reduction Techniques](#)"

3.4.12 Ophthalmic

Eye examination including direct and indirect ophthalmoscopy

Removal of foreign body (add: that do not lie in the optical axis?)

Lateral canthotomy

Eye irrigation

Application of eye pad or shield

3.4.13 Oral and Maxillofacial

Joint reduction: temporomandibular joint (TMJ) reduction

Podcast w/ notes; Core EM: "[TMJ Dislocation \(Ep.47\)](#)", 2016

Enlocation of avulsed/extruded/intruded/laterally injured tooth

Temporary stabilisation of injured tooth

Haemostatis following dental extraction

Podcast w/ notes; Core EM: "[Dental Emergencies \(Ep.40\)](#)", 2017

3.4.14 Gastrointestinal

Insertion of nasogastric or orogastric tube

Podcast w/ notes; Core EM: "[Gastric Lavage \(Ep.50\)](#)", 2016

Review; Core EM: "[Orogastric Lavage](#)"

Abdominal hernia reduction

Proctoscopy

Emergency replacement of dislodged or non-functioning (blocked) gastrostomy tube

3.4.15 Genitourinary

Insertion of indwelling urethral catheter

Suprapubic cystostomy

Testicular torsion reduction

Evaluation of patency of urethral catheter

3.4.16 Obstetric and Gynaecological

Vaginal examination using speculum

Assessment of fetal heart rate

Emergency Delivery-normal delivery

Podcast w/ notes; Core EM: "[Challenging Deliveries \(Ep.85\)](#)", 2017

Emergency delivery-shoulder dystocia

Review; Core EM: "[Shoulder Dystocia](#)"

Emergency delivery-breech

Assessment of the sexual assault victim (regardless of gender)

Removal of products of conception from cervical os

Check for presence/absence of foetal heart beat, eg foetal doppler, ultrasound

Perimortem c-section

3.4.17 Psychiatric

Mental status examination

Podcast w/ summary; EM Basic: "[Psychiatric Medical Screening](#)", 2011

3.4.18 Radiology

Indications, contraindications and risks with contrast studies

Podcast w/ notes; Core EM: "[Journal Update – AKI + IV Contrast](#)", 2017

Chest X-ray: identification of pneumothorax, pleural fluid, consolidation, pulmonary edema, widened mediastinum

Cervical spine X-ray: identification of fracture, alignment, pre-vertebral soft tissue swelling

Podcast w/ notes; Core EM: "[C-Spine Injuries \(Ep.36\)](#)", 2016

Podcast w/ notes; Core EM: "[Pediatric C-spine Injuries \(Ep.30\)](#)", 2016

Pelvic X-ray: identification of fracture

Abdominal X-ray: identification of free air, gas/fluid levels, distended bowels

Extremities X-ray: identification of fractures, dislocations, joint effusions

Review; Core EM: "[Ankle Stress Views: Why, When + What](#)"

Thoracolumbar spine X-ray: identification of fractures, alignment

Orthopantomogram X-ray: identification of fractures, dislocations

Facial X-ray: identification of fractures, dislocations

Podcast w/ notes; Core EM: "[Reading C-Spine CTs \(Ep.32\)](#)", 2016

CT head: identification of life-threatening cause of abnormal neurology, e.g.

haemorrhage, raised ICP, mass effect, skull fracture, hydrocephalus

CT facial bones/ orbits (fracture, orbital entrapment)

CT thorax (fracture, pneumothorax, haemothorax, infiltrative process, effusion or consolidation, major vessel aneurysm, dissection, rupture or occlusion)

CT spine (fracture, disc prolapse)

Review; Core EM: "[The ABCS of Reading C-Spine CTs](#)"

Podcast w/ notes; Core EM: "[C-Spine Injuries \(Ep.36\)](#)", 2016

Review; Core EM: "[C-Spine Injuries + CT Interpretation](#)"

CT kidneys-urinary tract-bladder (calculus, signs of obstruction)

CT abdomen/pelvis (e.g. organ perforation/laceration, mass lesion, inflammatory process, major vessel dissection or rupture)

CT other bones (NOF/pelvis/ankle/foot – fractures, mass lesion, disrupted anatomy)

CT aorta/ CT pulmonary angiogram (massive pulmonary embolism, aortic dissection)

3.4.19 Transport

Telecommunication and telemedicine procedures

Specific aspects of monitoring and treatment during transportation (intra- and interhospital)

Podcast w/ summary; EM Basic: "[The prehospital episode](#)", 2011

3.5 Special aspects of EM

3.5.1 Clinical teaching

Podcast w/ summary; EM Basic: "[How to give a good ED patient presentation](#)", 2011

Podcast w/ summary; EM Basic: "[Big Picture Advice to New EM Interns](#)", 2017

Podcast w/ notes; Core EM: "[Visualization \(Ep.81\)](#)", 2017

Podcast w/ notes; Core EM: "[Feedback \(Ep.67\)](#)", 2016

3.5.2 Metacognition

; Emergency Medicine Updates: "[Screencast: How to Think Like an Emergency Physician](#)", 2010

3.5.3 Documentation and pertinent legal issues

Podcast w/ summary; EM Basic: "[Documentation](#)", 2014