

CEP PGY1 Core Topics

No	Session Name <i>Suggested knowledge / skills</i>	Speaker / Department	PGY1 Core Topic Category	PGY1 Professional Activity
1	Approach to the patient with chest pain - <i>Management of ACS and associated ECG interpretation</i> - <i>NUH ACS medication protocol</i> - <i>PCI activation protocol</i>	Cardiology ED	Chest Pain (including management of ACS) (5)	PA 1 PA 4
2	Approach to arrhythmias - <i>Atrial fibrillation</i> - <i>Dysrhythmias</i>	Cardiology ED	Atrial Fibrillation and other dysrhythmias (3)	PA 1 PA 4
3	Approached to a confused patient - <i>Differentials and approach to Altered Mental State, including intracranial infections</i> - <i>include seizures</i>	GM Neurology	AMS (2)	PA 1 PA 4
4	Approach to CVA - <i>red flags of headache / SAH and giddiness in context of posterior circulation stroke</i>	Neurology	Weakness, numbness and stroke (21) Headache and giddiness (12)	PA 1 PA 4
5	Managing Substance Abuse and Withdrawal - <i>Alcohol intoxication</i> - <i>Opioid use and withdrawal</i> - <i>Managing side effects of antipsychotics (NMS, EPSE)</i>	Psychiatry	AMS (2) Drug allergy / overdose / poisoning (6)	PA 1 PA 4
6	A Gut feeling - <i>BGIT</i> - <i>Change in bowel habit</i>	GS Gastroenterology	Abdominal pain (1) Change in bowel habit (4) GI Bleed (11) LOA / weight / nutrition (16)	PA 1 PA 4 PA 5

7	Approach to abdominal pain - Assessment of acute abdomen - Intra-abdominal sepsis, including pancreatitis, appendicitis - Intestinal Obstruction, hernias - Ectopic Pregnancy	GS	Abdominal pain (1)	PA 1 PA 4 PA 5
			Nausea / vomiting / diarrhea (19)	
			Acute abdomen (1)	
		O&G	Hernias (7)	
			Intestinal Obstruction (8)	
			Intra-abdominal sepsis (9)	
			Acute abdomen in gynecology (2)	
8	Approach to the liver and biliary tree - Jaundice - Cholangitis - Liver failure - Paracetamol overdose	HPB surgery	Abdominal pain (1)	PA 1 PA 4 PA 5
			Nausea / vomiting / diarrhea (19)	
		Hepatology	Liver failure / jaundice (15)	
			Intra-abdominal sepsis (9)	
9	Sepsis - Assessment and management of septic shock - Assessment of acidosis and alkalosis	RCCM	Fever (10)	PA 1 PA 4 PA 5
10	Fever - Soft tissue : necrotizing fasciitis, pressure sores, cellulitis - Hospital acquired pneumonias - Complex UTIs - Line related infections	Orthopaedics	Lower limb swelling (18)	PA 1 PA 4 PA 5
		ID	Musculoskeletal sepsis (6)	
11	The yin & yang of Acid – Base balance - Acute (including ARU) and chronic renal failure - Indications for dialysis in severe acidosis	Nephrology	Arterial Blood Gas (3)	PA 1 PA 4
			Electrolyte disturbances and renal failure (8)	
			Acute Urinary Retention (3)	
12	Approach to electrolyte and fluid balance	Nephrology	Electrolyte disturbances and renal failure (8)	PA 1 PA 4
13	Sugar control - Hypo and hyperglycaemia in hospital and in fasted patients - DKA / HHS	Endocrinology	Uncontrolled diabetes (8)	PA 1 PA 4
			Insulin management including glucose monitoring (9)	

14	<ul style="list-style-type: none"> End of Life care - Palliative care: definition, when to consider - EOL Pain and symptoms management - The NUH CARE form - The death certificate 			PA 2 PA 6						
15	<ul style="list-style-type: none"> Allergy or Adverse Drug Reaction? - ADR vs allergy - Antibiotic allergies - NSAID intolerance - Management of anaphylaxis 	Allergy	Drug allergy / overdose / poisoning (6)	PA 1 PA 4						
16	<ul style="list-style-type: none"> Safe delivery of blood products - Indications for transfusion and irradiated blood products - Acute transfusion reactions - Over-anticoagulation (including NOAC) and its management 	Haematology	<table border="1"> <tr> <td colspan="2">Blood transfusion checklist (6)</td> </tr> <tr> <td>GI Bleed (11)</td> <td>GI Bleed (6)</td> </tr> <tr> <td>Trauma (10)</td> <td>Trauma and soft tissue injuries(10)</td> </tr> </table>	Blood transfusion checklist (6)		GI Bleed (11)	GI Bleed (6)	Trauma (10)	Trauma and soft tissue injuries(10)	PA 1 PA 4 PA 5
Blood transfusion checklist (6)										
GI Bleed (11)	GI Bleed (6)									
Trauma (10)	Trauma and soft tissue injuries(10)									
17	<ul style="list-style-type: none"> Care of the Hospitalized Older Persons - Pharmacotherapy in the elderly - Falls prevention - Managing transition of care 	GRM	<table border="1"> <tr> <td>Falls (9)</td> </tr> <tr> <td>AMS (2)</td> </tr> </table>	Falls (9)	AMS (2)	PA 1 PA 2				
Falls (9)										
AMS (2)										
18	<ul style="list-style-type: none"> Approach to joint pains - Crystal arthritis - Osteoarthritis - Septic arthritis - AVN - Joint dislocations 	<p>Rheum / ID</p> <p>Orthopaedics</p>	<table border="1"> <tr> <td>Joint pain (14)</td> </tr> <tr> <td>AVN (2)</td> </tr> <tr> <td>Joint dislocations (5)</td> </tr> <tr> <td>Musculoskeletal sepsis (6)</td> </tr> <tr> <td>Osteoarthritis (7)</td> </tr> </table>	Joint pain (14)	AVN (2)	Joint dislocations (5)	Musculoskeletal sepsis (6)	Osteoarthritis (7)	PA 1 PA 2 PA 4	
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Joint dislocations (5)										
Musculoskeletal sepsis (6)										
Osteoarthritis (7)										
19	<ul style="list-style-type: none"> Trauma Series 1 : Head / Neck / Spine - Cord compression, cauda equina - Head injury - Clearing the spine in acute trauma and spinal nursing 	ED Neurosurgery	<table border="1"> <tr> <td>Trauma including head injury (10)</td> </tr> <tr> <td>Spinal trauma (9)</td> </tr> </table>	Trauma including head injury (10)	Spinal trauma (9)	PA 1 PA 4 PA 5				
Trauma including head injury (10)										
Spinal trauma (9)										
20	<ul style="list-style-type: none"> Trauma Series 2 : Chest / Abdo / Pelvis - Trauma survey - Blunt chest and abdominal trauma - Role of FAST 	ED GS	Trauma patient survey (10)	PA 1 PA 4 PA 5						

21	Approach to acute respiratory distress - Asthma, COPD - Pulmonary Embolism - Pneumothorax - Hemoptysis	RCCM	Arterial Blood Gas (3)	PA 1 PA 4
			Dyspnea and cough (7)	
22	Perioperative Optimization - Pre-op assessment - Preoperative considerations in special patient groups - Common post-operative issues : infections, thromboprophylaxis, bleeding, pain	Anaesthesia		PA 5
23	The injured limb - Pelvic and lower limb fractures - Compartment syndrome - Ischaemic limb	Orthopaedics Vascular Surgery	Acute limb ischaemia (2)	PA 1 PA 4
			Trauma and soft tissue injuries (10)	PA 5
24	It's the time of the month - Pharmacotherapy in pregnancy - Contraception - Sexually Transmitted Diseases	O & G ID	Contraception (5)	PA 1 PA 2
			Sexually Transmitted Diseases (13)	PA 6
25	It's the hormones - Thyroid - Addisonian crisis - Osteoporosis & Ca metabolism	Endocrine	Osteoporosis (8)	PA 1
26	Cardiovascular health - Hypertension (including crisis and urgency) - Hyperlipidaemia - Cardiovascular & Renal Protection	Cardiology	Hypertension (13)	PA 1 PA 4
		Nephrology		
27	Basic suturing skills and management of drains and tubes	GS		PA 1 PA 3
28	Safe prescribing in eLMR and avoiding pitfalls			PA 1
29	Introduction to ACP			PA 1
30	Endocrine emergencies	Endocrine		PA 4
31	Radiology and Pathology Request Forms: Do It Right			PA 1
				PA 2

EBM

No	Session Name <i>Suggested knowledge / skills</i>	PGY1 Professional Activity
1	Literature Search Introduction to EBM & TBL	PA 7
2	Appraising a paper on Therapy	PA 7
3	Appraising a paper on Diagnosis	PA 7
4	Appraising a Systemic Review paper	PA 7

Quality & Safety

No	Session Name <i>Suggested knowledge / skills</i>	PGY1 Professional Activity
1	Quality & Safety: Introduction	PA 7
2	Quality & Safety: Practise	PA 7
3	Quality & Safety: Role Models	PA 6 PA 7
4	Quality & Safety: Execution	PA 6 PA 7






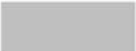
Leadership - An Introductory Series for Residents

No	Session Name <i>Suggested knowledge / skills</i>	PGY1 Professional Activity
1	Leading Oneself	PA 7
2	Leading a team	PA 7
3	Leading Change	PA 7
4	Leading for the Future	PA 7

Simulations

No	Session Name <i>Suggested knowledge / skills</i>	PGY1 Core Topic Category	PGY1 Professional Activity	
1	O&G : - <i>Seizure in pregnancy</i> - <i>Maternal collapse</i> - <i>Skills stations : speculum, PAP smear, HVS, endocervical swab, gynae examination</i> - <i>Post-partum haemorrhage</i>	Hypertension in pregnancy (9)	PA 1 PA 3 PA 4	
		Gynecological examination (11)		
2	Internal Medicine : - <i>Status epilepticus</i> - <i>Sepsis (pneumonia vs other sources)</i> - <i>Respiratory failure (COPD exacerbation, BiPAP use vs mechanical ventilation)</i>	LOC (syncope and fits) (17)	PA 1 PA 4	
		Fever (10)		
		Dyspnea and cough (7)		
		Administer nebulization (1)		
3	GS: - <i>Neck hematoma post thyroidectomy – comms with relatives</i> - <i>Anastomatic leak post anterior resection – comms with seniors, update relatives</i> - <i>Ischemic limb/ compartment syndrome from reperfusion, myoglobinuria</i>	Acute limb ischaemia (2)	PA 1 PA 4 PA 5 PA 6	
		Acute compartment syndrome (1)		
4	Emergency Medicine - <i>PEA collapse with hyperkalemia: ACLS, management of hyperkalemia, understand reversible causes of PEA</i> - <i>Trauma : primary survey for trauma case, communications with relatives</i> - <i>Desaturation in drug overdose: escalation of oxygen therapy, communications with family members, able to institute supportive measures in drug overdose, escalation and communications with seniors</i>	Atrial Fibrillation and other dysrhythmias (3)	PA 1 PA 4 PA 5 PA 6	
		Electrolyte disturbances (8)		
		Trauma (10)		Trauma patient survey (10)
		Drug allergy / overdose / poisoning (6)		

PGY1 core topic category grouping

	Internal Medicine		O&G
	General Surgery		Core Procedures
	Orthopaedics		Relevant to all

List of Professional Activities

Professional Activity 1 - Manage patients by obtaining a detailed history, performing appropriate physical examination, requesting and follow-through relevant diagnostic evaluation and therapeutic interventions

Professional Activity 2 - Manage transitions of care (Patient handover within institution and between healthcare settings)

Professional Activity 3 - Perform bedside procedures

Professional Activity 4 - Resuscitate, stabilize, and care for unstable or critically ill patients

Professional Activity 5 - Provide peri-procedural and post-procedural/surgical assessment and care

Professional Activity 6 - Educate, update and interact with patient and family members and facilitate family conferences

Professional Activity 7 - Improve the quality of healthcare at both individual and systems levels