

Clinical Physiology Grand Rounds Topics/MCQ Info

Clerkship	CPGR Topics to be discussed
Medicine	<ol style="list-style-type: none">1. Chest Pain2. Diabetes3. Common Inpatient and Ambulatory Infections4. Acute Kidney Injury5. Shortness of Breath6. COVID-19
Neurology	<ol style="list-style-type: none">1. Movement disorders- parkinsons disease- pharmacology, pathology2. Brain tumors- primary CNS tumors in kids vs adults3. Spinal nerve root problems- radiculopathy vs neuropathy, plexus4. Dementia syndromes- which is which and why5. Inherited and Mitochondrial myopathies- what are key features of each6. Cerebrovascular disease- acute ischemic or hemorrhagic CVAs and chronic sequellae of CVAs7. Epilepsy and non-epileptiform seizing episodes

OB/GYN	<ol style="list-style-type: none"> 1. Breast 2. Postpartum 3. REI 4. Peds/Adolescent Health
Pediatrics	<ol style="list-style-type: none"> 1. Respiratory - Asthma vs Bronchiolitis vs. Pneumonia, and initial management 2. Cardiac - particularly cyanotic vs non-cyanotic congenital heart disease (diagnosis) 3. Development - milestones by age and domain 4. Child Abuse - identification of red flags 5. Pediatric-specific Abdominal issues - pyloric stenosis (diagnosis and complications), malrotation/volvulus, Hirshsprungs. Type 1 Diabetes will be discussed too - identification/symptoms, Kawasaki often; Nephrotic syndrome, Infections disease -- need to know 6. Inborn Errors of Metabolism
Psychiatry	<ol style="list-style-type: none"> 1. Major mental illness: schizophrenia, bipolar disorder, MDD, OCD 2. Personality disorders, esp borderline 3. Psychopharmacology: antipsychotics, mood stabilizers, antidepressants, benzos 4. Psychotherapy: CBT, DBT, psychodynamic 5. Suicide assessment

Radiology	N/A
Surgery	<p>From Amy Evenson:</p> <ol style="list-style-type: none">1. GI system2. CV system3. Respiratory system. <p>Based on the relative weights, Amy suggests 3 cases from GI—gallstone/biliary disease, colon cancer or diverticular disease, small bowel obstruction (can also cover hernias as part of case). A vascular surgery case—acute embolism or chronic peripheral vascular disease—and 1 respiratory case—lung cancer.</p> <p>Breakdown of Shelf Exam is below:</p>

Surgery

Systems

Immune System	1%–5%
Blood & Lymphoreticular System	5%–10%
Nervous System & Special Senses	5%–10%
Skin & Subcutaneous Tissue	1%–5%
Musculoskeletal System	3%–7%
Cardiovascular System	10%–15%
Respiratory System	8%–12%
Gastrointestinal System	20%–25%
Renal & Urinary System	3%–7%
Female Reproductive System & Breast	3%–7%
Male Reproductive System	1%–5%
Endocrine System	3%–7%
Multisystem Processes & Disorders	5%–10%
Social Sciences	1%–5%
Medical ethics and jurisprudence	
Issues related to death and dying and palliative care	

Physician Task

Applying Foundational Science Concepts	8%–12%
Diagnosis: Knowledge Pertaining to History, Exam, Diagnostic Studies, & Patient Outcomes	50%–60%
Pharmacotherapy, Intervention & Management	30%–35%

Site of Care

Ambulatory	35%–40%
Emergency Department	25%–35%
Inpatient	30%–35%

Patient Age

Birth to 17	8%–12%
18 to 65	60%–70%
66 and older	20%–25%