

Curriculum Content Report – Acute Care

(GP D1, GP D1a, BL B2a, BL B3d1, BL B4c6, BH B2a, NS B4d, NS B10a, NS B16a, CV B5a, CV B7d, RS B1a1, RS B1a7, RS B1a8, RS B1b2, RS B1B6, RS B2e1, GI B7a, RU B1b1b1, RU B1b1b2, acute care, urgent care, critical care, intensive, emergency)

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Year 1	
Course	Content
Physiology	<ul style="list-style-type: none"> •Acute respiratory distress syndrome •Pathophysiology of shock
Year 2	
Immunology	<ul style="list-style-type: none"> •Acute inflammatory response •Vascular response to acute injury • Microbicidal mechanisms and tissue injury •Clinical manifestations of acute inflammation
Microbiology	<ul style="list-style-type: none"> •Endocarditis team based learning case •Causes of acute pericarditis •Acute pneumonia – causes •Acute renal failure due to poststreptococcal glomerulonephritis •Streptococcus as cause of acute rheumatic fever
Clinical Neuroscience	<ul style="list-style-type: none"> •Acute effects of spinal cord transection •Acute dystonia in Parkinson’s
Practice of Medicine	<ul style="list-style-type: none"> •Chest pain case -Acute coronary syndrome, pulmonary embolus, pneumonia, dissecting thoracic aorta aneurysm, pneumothorax. •Airway management sim lab session •Diabetes case – hyperosmolar coma, diabetic ketoacidosis •Abdominal pain case – pancreatitis, perforated viscus, abdominal aortic aneurysm •Dysrhythmia sim lab session •Acute Asthma exacerbation sim lab session •Anaphylaxis sim lab session
Introduction to Clinical Psychiatry	<ul style="list-style-type: none"> • Differential diagnosis and acute treatment of the eating disorders, depressive disorders, delirium and dementia, bipolar disorder, schizophrenia and other psychotic disorders, alcohol abuse and dependence and other substances of abuse, child psychiatric disorders (Disorders of Infancy and Childhood: Psychopathology), somatization and the somatoform disorders, and the anxiety disorders in the lectures with the corresponding names. • strategies to elicit and initial management of the suicidal patient in the lecture on “Suicide.”
Pharmacology`	<ul style="list-style-type: none"> •Treatment of acute coronary syndrome

Pathology	<ul style="list-style-type: none"> •Acute coronary syndrome •Acute pulmonary injury •Acute pancreatitis •Acute inflammatory dermatoses •Acute mastitis •Acute cervicitis •Acute endometritis •Toxic shock syndrome •Testicular torsion
Year 3	
Transitions to Clerkships	<ul style="list-style-type: none"> •Ultrasound FAST exam workshop
Community Medicine Clerkship	<ul style="list-style-type: none"> •Evaluation of acutely ill patients in health fair and emergency department settings • Sports Medicine lecture and demonstration with emphasis on evaluation for concussion from a sports injury, upper and lower extremity injuries, and follow-up requirements. Students may work with Sports Trainers in local high schools and at sporting events. Students are required to participate in a EMS ride along experience which includes following an emergency patient through the process of initial assessment at pickup site and through the ER. Students work two eight hour shifts in the ER with ER physicians.
Family Medicine Clerkship	<ul style="list-style-type: none"> •Demonstrate knowledge of common acute conditions in primary care •Review pertinent points to be included in the history and physical for acute back pain • Workshop on shoulder and knee exams includes evaluation of acute injury
Internal Medicine Clerkship	<ul style="list-style-type: none"> •Recognize a patient requiring urgent or emergent care • Students are involved in caring for acute clinical conditions like Myocardial Infarction, stroke, Gastrointestinal bleeds, acute PE, respiratory failure, sepsis and other acute infections leading to hospitalizations. Lecture series in internal medicine covers Acute care topics and are covered in cardiology, infectious diseases and Pulmonary sessions. Topics on acute conditions like Myocardial infarction and role of emergency percutaneous intervention and thrombolytic therapy are reviewed. They also participate in active discussion on acute management of patients during inpatient rotations.

OB/GYN Clerkship	<ul style="list-style-type: none"> •Employ knowledge of etiology, pathogenesis, clinical presentation, and natural history of diseases with acute illness treated by ob/gyns •Demonstrate knowledge of pathophysiology, diagnostic options and treatment modalities for acute presentations of common ob/gyn problems • Recognize a patient requiring urgent or emergent care including acute abdominal presentation and obstetrical emergencies
Pediatrics Clerkship	<ul style="list-style-type: none"> •Simulation session - acute pharyngitis, peritonsillar abscess, tonsillitis, •Infectious rashes
Psychiatry Clerkship	<ul style="list-style-type: none"> •Participate in evaluation and treatment of acutely ill psychiatric patients • Didactic Lecture on Acute Care of Mania, Psychosis, Delirium, Catatonia, Anxiety, ETOH/Drug Withdrawals, and Major Depression
RPCT Clerkship	<ul style="list-style-type: none"> •Acute pharyngitis •Acute upper respiratory infections •Evaluation of acutely ill patients in health fair, office, and emergency department settings
Surgery Clerkship	<ul style="list-style-type: none"> •Evaluation and treatment of the acute abdomen, GI bleeding, bowel obstruction, and trauma •Understand the physiologic responses to shock
YEAR 4	
Critical Care Selective	<ul style="list-style-type: none"> • Student will explain how factors resulting in abnormal organ structure and function produce disease in critically ill patients •Student will Integrate information obtained from history and physical examinations, diagnostic testing and review of the clinical literature to formulate an appropriate differential diagnosis and plan of care for critically ill and emergent patients
Keystone Course	<ul style="list-style-type: none"> •Acute monoarticular arthritis