



**NEW JERSEY  
MEDICAL SCHOOL**

University of Medicine & Dentistry of New Jersey

Department of Anesthesiology

**Objectives for the Surgical Critical Care Rotation:**

<b>Knowledge of:</b>	<b>Tool</b>	<b>Criteria</b>
1. respiratory physiology, pathophysiology, and ventilator parameters	Multiple choice exam	>80%
2. cardiovascular physiology, pathophysiology, and pharmacology	Multiple choice exam	>80%
4. microbiology and chemotherapeutics of infectious processes in the critical care patient, system based	Multiple choice exam	>80%
5. admission and discharge criteria	Presentation to the DCCA*	To his satisfaction
6. application of appropriate diagnostic studies	Multiple choice exam	>80%
7. of protocol for declaration of death by neurological criteria	Multiple choice exam	100% on those questions

<b>Patient Care</b>	<b>Tool</b>	<b>Criteria</b>
1. Perform and document a complete history and physical exam; interpretation of laboratory and pertinent data; and assessment and critical care treatment plan	a. Evaluation of live performance, including Chart review	To his satisfaction (pass/fail), utilizing a predetermined focused topic list; three patients
2. 24 hour patient summaries at daily rounds, including previous and upcoming treatment plans	Global evaluation by DCCA, Surgical attending, and senior surgical resident	Rating of Satisfactory or above
3. Demonstrate ability to	a. Evaluation of live	Three patients (one

manage ventilatory support measures in critically ill patients (including weaning) with focused emphasis on ARDS, pneumonia and acute hypoxemia	performance b. CSR	each), satisfactory rating or greater
4. Demonstrate understanding of hemodynamic management and therapy in the critically ill patient, including the application and appropriate use of invasive monitoring modalities.	a. Chart stimulated recall examination by DCCA b. Global Rating of Live Performance c. Focused observation (technical skills)	a. To his satisfaction (pass/fail) utilizing predetermined criteria; five cases b. Satisfactory or above c. PI indicators as defined by the Operative and Invasive Committee (complications)
5. Demonstrate ability to manage the patient with increased ICP/altered cerebral perfusion	a. Evaluation of live performance b. CSR	Satisfactory rating or greater, three patients
6. Demonstrate ability to manage infectious processes, with emphasis on the prevention and treatment of nosocomial infections	a. Record review by DCCA b. Web-based training (nosocomial infections)	a. Satisfactory rating, five patients b. Passing certificate
7. Demonstrate ability to diagnose and treat metabolic derangements in critically ill patients, emphasis on Renal Failure and electrolyte & Acid/Base abnormalities	a. Evaluation of live performance b. CSR	Satisfactory rating or greater, three patients

Professionalism	Tool	Criteria
1. Demonstrate appreciation and respect for all other professionals by appropriately responding to consultative and support services	360-degree Evaluation	TBD
2. Demonstrate sensitivity to the concerns of patients and	360-dgree Evaluation	TBD

their families surrounding critical illness, including Quality of Life and End of Life issues		
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\*Director of Critical Care Anesthesia or his designee

**Chart Stimulated Recall: Presentation Format**

1. Identification of Problem(s)
2. History and pertinent finding on Physical Exam
3. Differential Diagnosis of each problem, including interrelationships
4. Identification of significant hemodynamic parameters
5. Identification of significant laboratory values
6. Formulation of management plan

**Record Review: Criteria for Management of Infectious Processes**

1. Complete work-up ordered and obtained (C/S, U/A, X-Ray, etc.)
2. Results of above checked
3. Timely and judiciously instituted appropriate treatment based on above findings
4. Follow-up cultures obtained