

VCU Senior Elective Catalogue

Pediatric ICU Critical Care AI-Inova (MEDI-42013)			
Preceptor:	Dr. Charlene Davenport	Phone #:	
Department:	Pediatrics	Max Enrollment:	1
Time Period(s):	1,2,3,4,5,6,7,8,9,10,11	Time:	
Location:	INOVA Fairfax Hospital, 3300 Gallows Road, Falls Church, VA		
<p>Objectives and Evaluation Hours per Week - Up to 80 hrs/week Lectures/Seminars - Yes Outpatient - No Night Call - Yes Weekends - Yes Exam required - No</p> <p>Method of Evaluation: Subjective</p> <p>The overall goal of this rotation is to provide students with experience in caring for a wide variety of critically ill children. Additionally, the student will be exposed to the sophisticated medical technology, the difficult medical and ethical decisions, and the psychosocial dilemmas of the Intensive Care Unit that are an integral part of medicine today, regardless of one's ultimate career choice.</p> <p>The student will function much like a junior pediatric resident with up to three PICU patients at a time to admit and follow. Call will be every 4th night under the supervision of a senior, in-house pediatric resident in the PICU. PICU attending coverage will be in-house or within 10 minutes of the hospital depending upon the acuity of the patients.</p> <p>Objectives:</p> <ol style="list-style-type: none"> 1. To develop a systematic method of examining, assessing, presenting, and managing critically ill patients. 2. To achieve proficiency in the recognition and initial management of problems commonly encountered in the PICU. 3. To obtain experience in pediatric airway management including both bay and mask ventilation and endotracheal intubation. 4. To demonstrate an understanding of the various respiratory modalities used in the provision of oxygen therapy, airway clearance, bronchodilation, and mechanical ventilation in pediatrics. 5. To demonstrate an understanding of the principles of arterial, central venous, and pulmonary artery monitoring as well as they guide in the pharmacologic support of the pediatric patient with cardiopulmonary compromise. 6. To obtain experience and respect for the complications involved with arterial and central venous catheters in pediatrics. 7. To obtain experience in the proper way to provide conscious and unconscious sedation and analgesia as well as neuromuscular blockade. 8. To obtain experience in managing pleural effusions and pneumothoraces. 9. To achieve some familiarity with the nutritional support of the critically ill or injured pediatric patient. 			

Suggested readings include selected journal articles that will be provided as well as recommendations for texts and other resources available in the library. Medical literature searches are available 24 hours in the PICU.

Special Instructions/Additional Information

All students must have at least two weeks of inpatient pediatric experience not including the nursery or NICU

Call the VCU Inova academic registrar for more information or to register for this elective at 703-776-6699.