

Course Description	Through an expansive exposure to neonatal intensive care the medical student will learn and/or reinforce many of the basic principles of pathophysiology and patient care. This is an excellent opportunity to consolidate the basics of assessment and treatment of respiratory diseases, fluids and electrolytes, nutrition, and principles of infectious disease. The student will also learn about disease processes unique to the newborn such as: perinatal depression, respiratory distress syndrome, congenital heart disease, and necrotizing enterocolitis. The student will also develop skills in collaborating with consultant staff and communicating with parents and families of critically ill infants.
Course Objectives	<ul style="list-style-type: none"> • Observe and participate in a neonatal resuscitation • Evaluate and treat respiratory diseases of the newborn • Evaluate and treat congenital heart disease and other congenital anomalies • Develop and implement a plan for management of fluid and electrolyte problems • Complete an assessment of nutritional needs, and provision of both enteral and parenteral nutrition • Identify and treat neonatal sepsis and other infections • Practice professional patient-family communication and support
Course Activities	The medical student will function as an acting intern under the direct supervision of a neonatology fellow and a neonatology attending. The AI will be assigned his/her own patient load of 1-4 patients. In addition, the student will attend high risk deliveries to gain experience in evaluating infants in the delivery room, and in resuscitation skills. The student will also learn procedures as available. The student will be expected to work an intern's schedule. The student will work 6 days during the week. The student will be provided self-learning programs on neonatal resuscitation and stabilization. Radiology conference attendance is expected. Attendance at the 3 teaching conferences are held each week, as well as attendance at Grand Rounds, is expected.
Course Schedule Requirements	Student is expected to arrive in the NICU on the first day of the rotation at 7:30 AM. On subsequent days they are to arrive to pre-round on their patients by 7:00 AM so that they are prepared for rounds by 8:30 AM. No on-call requirement but weekend patient rounding is required.

Duration	4 Weeks	Location	Pediatrics-Neonatology, Vidant Neonatal
Designation	ICU, Elective		Revised 4.29.2019



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