

PEDS-728: NEWBORN MEDICINE

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Participating Faculty:	Ann Anderson Berry, M.D. Hal Kaftan, M.D. Garth Fletcher, M.D. Terry Zach, M.D.
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Location:	Neonatal ICU, The Nebraska Medical Center
Offered:	Monthly
Max. # Students/Period:	3

Course Objective**Material Covered:**

The student will be exposed to the critical care of sick and high-risk neonates and the convalescent care of recovering, growing neonates.

Skills Acquired:

Emphasis will be placed on resuscitation of the high risk infant, recognition of signs and symptoms of neonatal illness with the formation of a differential diagnosis and treatment plan; monitoring of physiologic parameters; calculation of fluid, electrolyte and nutrition requirements; assessment of blood gases and respiratory treatment strategies.

Activities of Elective

Number of New Patients/Student/Week: 15

Responsibilities of Student for Period:

Does history/physical:	Yes
Who critiques:	Attending or HO I or NNP
Follows patients, with notes as needed:	Yes
Who supervises:	Attending or HO I or NNP
Does student see ambulatory patients:	No

Procedures	Observe	Perform
IV starts, intubation, catheter placement, chest tube placement, etc.	X	X

Scheduled Activities of Student:

Rounds	40 hrs/wk	Research Project	0 hrs/wk
Didactic Conferences	4 hrs/wk	Independent Patient Care	0 hrs/wk
Independent Learning	0 hrs/wk	Required Weekends	1 day/week

Describe Optional Rounds and Activities (if any):

Students will take call two nights/month until 10:00 PM. This gives the student exposure to many of the after-hours problems encountered in the NICU. They are also expected to attend deliveries and do admissions during this time.

Other Required Activities:

Reading/review of current literature:	Yes
Writing a paper	No
Presenting a case report	Yes (1 student/week will lecture to residents and NNP)

Evaluation:

How the student is evaluated:	Based on clinical performance
Who evaluates the student:	Attending and HO I or NNP

Unique Features of this Elective:

Students will attend high risk deliveries complicated by prematurity, multiple gestation, meconium staining, congenital anomalies and perinatal depression as well as routine cesarean sections. The goal is to provide students with exposure to neonatal resuscitation as outlined by the AAP and AHA. Students are expected to check out the NRP Guidelines and know the sequence of events that take place during resuscitation. Students are expected to perform complete history and physicals including evaluation of the maternal obstetrical/medical history with subsequent development of a differential diagnosis, evaluation and treatment plan. Students will be involved in the daily evaluation, care and formulation of treatment plans of neonates in the NICU. This includes "work" rounds as well as formal rounds with the staff Neonatologist, house staff, and nursing staff during the week and weekends. The student will be exposed to many of the neonatal problems requiring NICU care; i.e., prematurity, respiratory distress, congenital anomalies, perinatal depression, anemia, significant hyperbilirubinemia, hypoglycemia, sepsis, etc. The student will also be exposed to some of the outcomes of neonatal intensive care.