

Elective Description

Campus: Southwest (Bismarck)
Elective Title: Neonatology

Department: Neurology
Course Number: NEUR 9133

Location of Elective: Neonatology Clinics – The Clinics of CHI St. Alexius Health

Preceptor(s): Himadri Nath, MD

Period(s) offered: All

Number of students per period: 1

Course prerequisites:

Revised Curriculum Phase(s):

Purpose: To provide education and experience in the care of newborns.

Objectives: Following successful completion of this elective, the student will be able to:

1. Perform a physical examination and assessment of normal newborn as well as ill preterm and term newborns.
2. Demonstrate the principles of resuscitation and stabilization of the newborn.
3. Report common diagnostic and management problems of the ill newborn.
4. Discuss fluid, electrolyte and nutritional management of both preterm and term infants.
5. Anticipate the expected complications of neonates born to mothers with high risk pregnancies.

Instructional Activities: During this elective, the student will be involved in/experience:

1. Daily patient rounds in which the student is responsible for forming appropriate assessment and care plans.
2. Daily discussions of specific patient problems based on the reading and instructional assignments given to the student by the preceptor
3. Attendance of c-section and high risk deliveries.
4. Common procedures performed in the setting of neonatal intensive care under the close supervision of the preceptor.
5. The calculation of enteral and parenteral nutritional requirements of the neonate.
6. Weekly core curriculum lectures.
7. A team approach (including family involvement) to the management of the ill neonate.

Criteria for Grading: During and following this elective, the preceptor will:

1. Evaluate the quality of patient evaluations and daily notes.
2. Evaluate the quality of performance of the instructed procedures.
3. Evaluate the quality of oral and written presentations to the preceptor of assigned readings.
4. Utilize the standardized UNDSMHS senior elective evaluation form.