

## Elective Description

**Campus:** Southeast Campus (Fargo)

**Elective Title:** Pediatrics Cardiology

**Location of Elective:** Sanford Children's Hospital and Medical Group- Fargo, ND

**Department:** Pediatrics

**Course Number:** PED 9204-01

**Preceptor(s):** Justin Horner, MD; Carlos Mirnada, MD; Michele Pasierb, MD; Alex Thompson, MD & Matthew Trefz, MD

**Period(s) offered:** All

**Number of students per period:** 1

**Course prerequisites:**

**Revised Curriculum Phase(s):** 2 & 3

**Purpose:** To provide education and an experience in the care of patients requiring pediatric cardiology services.

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

1. Demonstrate the ability to participate in the care and evaluation of children with pediatric cardiology conditions (*competency 3.1, 3.2, 3.3, 3.4*).
2. Demonstrate knowledge of the important historical and physical features of children with cardiac problems (*competency 3.3*).
3. Explain the natural history of common cardiac diseases in children. (*competency 2.1, 2.2*)
4. Describe the role of diagnostic and technical interventions in children with heart disease (*competency 3.2, 3.3, 1.10*).
5. Differentiate benign from pathologic common cardiac complaints such as functional murmurs, benign chest wall pain and simple syncope. (*competency 2.1, 2.3*)
6. Interpret basic electrocardiograms (*competency 3.3*).

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

1. Pediatric cardiology inpatient rounds and consultations under the directorship of the preceptor.
2. Pediatric cardiology outpatient clinics under the direction of the preceptor.
3. Discussions with the preceptor of assigned readings.
4. The observation of pediatric cardiology procedures such as echocardiography.
5. The reading and interpretation of pediatric electrocardiograms.

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

1. Evaluate by direct observation the quality and timeliness of assigned tasks.
2. Evaluate by direct observation the quality and timeliness of completion of assigned tasks (*All objectives*).
3. Evaluate through discussion with the student the appropriate completion of assigned reading materials and tasks regarding pediatric cardiac disease (*objective 2, 3, 4*).
4. Evaluate by direct observation the student's skills in caring for children with cardiac disease (*objective 1, 5*).
5. Evaluate by direct observation the student's knowledge of common pediatric cardiac disease and ability to differentiate between benign and pathologic complaints (*objective 2, 3, 5*).
6. Evaluate by direct observation the student's ability to interpret electrocardiograms (*objective 6*).
7. Utilize the standardized UNDSMHS senior elective evaluation form.