

Course Description	After completing this elective, the student will have a better understanding of pathological states related to general pediatrics endocrinology and how to distinguish them from normal variants including a basic understanding of the correct laboratory and radiographic evaluation. They will also have a basic understanding of the most common therapeutic interventions that endocrinologist prescribe. Finally, they will acquire a better understanding for the complexity involved in the care of children with diabetes.
Course Objectives	<ul style="list-style-type: none"> • Describe normal patterns of linear growth and weight gain, applying this to evaluation of variations in growth patterns. • Describe physiologic events in puberty and Tanner staging, differentiating between normal, precocious vs premature thelarche and adrenarche, and delayed puberty. • Describe the pathophysiology of and recognition of these conditions: <ul style="list-style-type: none"> ○ Abnormal newborn thyroid screen (initial evaluation) ○ Delayed puberty due to a chronic disease or anorexia nervosa ○ Familial short stature, constitutional delay of growth or puberty ○ Transient hypocalcemia and hypoglycemia in the newborn • Discuss the initial management for: <ul style="list-style-type: none"> ○ Adrenal insufficiency ○ Ambiguous genitalia ○ Delayed or precocious puberty ○ Hirsutism ○ Hypoglycemia in childhood and adolescence ○ Polycystic ovaries and hyperandrogenism in girls ○ Thyroid dysfunction and goiters ○ Turner syndrome • Recognize the initial presentation, determine and correctly interpret laboratory tests for screening for the diagnosis of diabetes mellitus in a preschool or school age child • Discuss the basic barriers to good diabetes care in children and adolescence.
Course Activities	Students will participate in both pediatric endocrinology and diabetes outpatient clinics, as well as round with a pediatric attending in inpatient endocrinology and diabetes consults. Students will receive verbal feedback at the mid-term of the rotation, and a formal, written evaluation at the end of the elective.

Course Schedule Requirements	No on-call requirement. Student is present during usual clinical hours (8:00am – 5:00pm, Monday – Friday, excluding holidays as determined by the ECU calendar).
-------------------------------------	--

Duration	2 Weeks	Location	Pediatric Specialty Clinic/James and Connie Maynard Children's Hospital
-----------------	---------	-----------------	---

Designation	Elective	Revised	08.23.2019
--------------------	----------	----------------	------------