

Endocrinology Fellowship Lecture Series Topics

DIABETES and HYPOGLYCEMIA

- Etiology of type 2 diabetes
- Non-insulin meds and diabetes
- Intensive management of outpatient glycemic control
- Prevention of microvascular complications
- Prevention of macrovascular complications
- Diabetes self-management
- Subcutaneous insulin pump practicum
- Continuous glucose monitor (CGM) practicum
- Inpatient management of diabetes/hyperglycemia
- Inpatient management of diabetes/hyperglycemia - special situations (nutrition / steroids)
- Inpatient management of subcutaneous insulin pumps
- Diabetic neuropathy and foot care
- Islet and pancreatic transplant
- Diabetes in pregnancy
- Hypoglycemia

THYROID

- Thyroid physiology
- Hyper- and hypothyroidism
- Thyroid in pregnancy
- Basic thyroid ultrasound
- Lymph nodes and parathyroid ultrasound
- Thyroid ultrasound and ultrasound guided biopsy simulation
- Differentiated thyroid cancer
- Advanced thyroid cancer
- Thyroid molecular markers
- Inpatient management of hyperthyroidism/thyroid storm
- Myxedema coma

BONE and CALCIUM

- Bone density basics and bone imaging
- Unusual bone metabolism cases
- Calcium disorders
- Phosphorus disorders/osteomalacia/rickets
- Osteoporosis
- DEXA clinical cases (every 6 months)
- Hypoparathyroidism
- Inpatient hypocalcemia
- Inpatient hypercalcemia

ADRENAL, PITUITARY and NEUROENDOCRINE

- Adrenal masses and adrenal cancer
- Hyperaldosteronism
- Congenital adrenal hyperplasia
- Adrenal insufficiency
- Cushing's Syndrome
- Hypothalamic and pituitary tumors
- Hyperprolactinemia
- Acromegaly
- Pituitary incidentaloma, including non-functional pituitary tumors
- Post-pituitary surgery management, including diabetes insipidus
- Evaluating hormones in acute settings
- Carcinoid Syndrome
- MEN 1
- Medullary thyroid cancer and MEN 2
- Pheochromocytoma
- Paranglioma

LIPIDS, OBESITY, NUTRITION

- Basic science of lipids and lipoproteins
- Introduction to dyslipidemia
- Lipids – Diagnosis and management
- Clinical obesity
- Bariatric Surgery – Indications and techniques
- Bariatric Surgery – Pre- and post-op medical management
- Medical Weight Loss – Practical considerations

REPRODUCTIVE

Reproductive endocrinology
Female infertility
Male infertility and erectile dysfunction
Transgender medicine
PCOS
Oral contraceptives, HRT

BASIC SCIENCE

Signal transduction
Basic science methodology
Clinical lab use in Endo Part 1
Clinical lab use in Endo Part 2
Pitfalls of interpreting clinical labs Part I
Pitfalls of interpreting clinical labs Part II

RADIOLOGY

Nuclear medicine imaging
Pancreas radiology
Parathyroid radiology
Adrenal radiology

OTHER

Health Care Disparities
Posters and Presentations
Endocrine side effects of immune checkpoint inhibitors
Billing
Financial Literacy 101