

Diagnosis and Management Internal Disorders  
#1027B – Advanced Endocrinology

Title of Program: #1027B – Advanced Endocrinology  
Times: Saturday 9:00 am to 6:00 pm, Sunday 9:00 am to 1:00 pm  
Total CE hours: 12

Program Description:

This session provides an overview on the physiology, pathophysiology, patient work-up and management of the conditions and diseases that affect the endocrine system and that are commonly seen in the internal disorder office.

Program Goals / Objectives:

At the end of the session, the student will have a detailed understanding of:

- The function of the thyroid.
- The function of the adrenal medulla.
- The function of the adrenal cortex.
- The function of the gonads.

Program Topics:

- Basics of the endocrine system.
- Biochemistry of the endocrine system.
- Function and biochemical pathway of HPA axis.
- Function and biochemical pathways of the posterior pituitary.
- Function of the parathyroids, thyroid, adrenal medulla and cortex.
- Function of the gonads.

Program Outline:

9:00 am – 10:00 am  
Function of Thyroid

- Signs and symptoms of
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognizing pathologies

10:00 am – 12:30 pm

- Biochemical pathways and processes for thyroid
- Testing by system
- Conventional
- Traditional functional
- Pathways and processes
- Treating imbalances and dysfunctions
- Biochemical

- Neurological
- Structural
- Chiropractic
- Soft tissue
- Testing sources/pros and cons

1:30 pm – 4:00 pm

Function of adrenal medulla

- Signs and symptoms of
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognizing pathologies
- Biochemical pathways and processes for adrenal medulla
- Testing by system
- Conventional
- Traditional functional
- Pathways and processes

4:00 pm – 5:00 pm

- Treating imbalances and dysfunctions
- Biochemical
- Neurological
- Structural
- Chiropractic
- Soft tissue
- Testing sources/pros and cons

5:00 am - 6:00 am

Function of adrenal cortex

- Signs and symptoms of
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognizing Pathologies
- Biochemical Pathways and Processes for Adrenal Cortex
- Testing by system
- Conventional
- Traditional functional
- Pathways and processes

Sunday

9:00 am – 10:00 am

- Treating imbalances and dysfunctions
- Biochemical
- Neurological
- Structural
- Chiropractic
- Soft tissue
- Testing sources/pros and cons

10:00 am – 11:00 am

Function of Gonads

- Signs and symptoms of
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognizing pathologies

11:00 am – 12:00 pm

- Biochemical pathways and processes for gonads
- Testing by system
- Conventional
- Traditional functional
- Pathways and processes

12:00 pm – 1:00 pm

- Treating imbalances and dysfunctions
- Biochemical
- Neurological
- Structural
- Chiropractic
- Soft tissue
- Testing sources/ pros and cons

Instructional Methods:

Lecture, practice demonstrations and case presentations

Assessment Methods:

Perform an adrenal panel as well as a female or male hormone panel. May also run a neurotransmitter or estronex panel. Labs can be run at Labrix, Diagnostech, ZRT, Genova or Neuroscience. Work must be submitted within 6 weeks of Session 9 and 10.