Diagnosis and Management Internal Disorders
#1027A – Endocrinology – Clinical Application for the Family Practitioner

Title of Program:	#1027A - Endocrinology - Clinical Application for the Family Practitioner
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:

- Basics of the endocrine system.
- The biochemistry of the endocrine system.
- The functional HPA axis.
- Biochemical pathways of the HPA axis.
- Function of the posterior pituitary.
- Biochemical pathways of the posterior pituitary.
- The function of the parathyroid.

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:

Saturday

9:00 am – 10:00 am
Defining the endocrine system anatomy

- Organs/glands
- Axes
- Systems
- What it does
- Web of inter-relationships involving the endocrine systems

10:00 – 11:00 am
Endocrine systems top to bottom anatomy

- Chakras
- Circadian
- Metabolic balance

- Structural maintenance
- Detox/immune/free radical quenching
- Energy production
- Homeostasis
- Reproduction

11:00 am – 12:00 pm anatomy
Pathways and processes approach to understanding biochemistry

1:00 pm – 2:00 pm
Function of pineal/hypothalmus/anterior pituitary axis anatomy

- Signs and symptoms
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognize pathologies

2:00 pm – 4:00 pm

Biochemical pathways and processes for pineal/hypothalmus/pituitary axis anatomy

- Testing the system
- Conventional
- Traditional functional
- Pathways and processes
- Treating imbalances and dysfunctions
- Biochemical
- Neurological
- Structural
- Chiropractic
- Soft tissue
- Testing sources/ pros and cons

4:00 pm – 6:00 pm anatomy
Function of the posterior pituitary

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

Sunday

9:00 am – 10:00 am anatomy
Biochemical pathways and processes for posterior pituitary

- Testing by system
- Conventional

- Traditional functional
- Pathways and processes
- Treating imbalances and dysfunctions
- Biochemical
- Neurological
- Structural
- Chiropractic
- Soft tissue
- Treating sources/ pros and cons

10:00 am – 11:00 am evidence based outcomes
Review of today's topics

11:00 am – 12:00 pm

diagnosis

Function of parathyroid

- Signs and symptoms
- Pathology
- Imbalance
- Excess
- Deficiency
- Recognizing pathologies
- Biochemical pathways and processes for parathyroid

12:00 pm – 1:00 pm

diagnosis

- Testing by System
- Conventional
- Traditional functional
- Pathways and processes
- 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.