

ONCOLOGY 3 THE ADRENALS

PGY 3 OBJECTIVES

MEDICAL EXPERT

<i>Basic Science Knowledge</i>	Able to describe the anatomy, histology and embryology of the adrenal glands Able to outline the physiology of the adrenal cortex and the adrenal medulla
<i>Clinical Knowledge</i>	Able to describe the clinical presentation and the diagnosis of patients with Cushing's syndrome, primary hyperaldosteronism, and pheochromocytoma Able to outline the treatment of patients with Cushing's syndrome Able to discuss and outline a diagnostic and management plan for the patient with an incidentally discovered adrenal mass Able to outline the differences between benign, malignant and functional adrenal tumors Able to outline the surgical options and open operative techniques for adrenalectomy
<i>Recognition and Management of Emergencies</i>	Able to outline the operative steps for gaining control of an acute intra-operative hemorrhage during adrenalectomy (open and laparoscopic) Able to outline the appropriate steps for managing the hypotensive patient that is status post-adrenalectomy
<i>Technical and Procedural Skills</i>	Able to close a flank, anterior abdominal and thoraco-abdominal incision used for adrenal surgery Able to act as the primary assistant for a surgeon doing an open adrenalectomy Able to identify anatomical landmarks during open and laparoscopic radical nephrectomy Able to mobilize bowel and define correct surgical planes during open and laparoscopic radical nephrectomy Able to act as camera-operator for surgeon doing laparoscopic adrenalectomy
<i>Specific Clinical Expectations</i>	Expected to attend four ambulatory clinics with Dr. Hobart or Dr. Evans Expected to begin acquiring the skills for laparoscopic suturing using the dry lab station at the RAH/Hys Urology site. Expected to review the interactive CD on adrenal pathology.

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PGY 4 AND 5 OBJECTIVES

MEDICAL EXPERT

Basic Science Same objectives as in PGY 3

Knowledge

Clinical Same objectives as in PGY 3, plus:

Knowledge

Able to outline the management of the patient with adrenocortical carcinoma

Able to describe the management of adrenocortical carcinoma in children

Able to outline the indications and contraindications to laparoscopic adrenalectomy

Able to outline the different laparoscopic approaches to removing the adrenal gland

*Recognition and
Management of
Emergencies*

Able to appropriately manage acute intra-operative hemorrhage occurring during open adrenalectomy

Able to outline the operative steps required to gain control of an acute intra-operative hemorrhage occurring during laparoscopic adrenalectomy

*Technical and
Procedural Skills*

Able to perform open adrenalectomy

Able to mobilize bowel, enter correct anatomical planes and begin to acquire the skills for laparoscopic adrenalectomy

*Specific Clinical
Expectations*

Expected to attend two ambulatory clinics with Dr. Hobart or Dr. Evans

Expected to begin acquiring the skills for laparoscopic suturing using the dry lab station at the RAH/Hys Urology site.

Expected to review the interactive CD on adrenal pathology.
