

Most common tests performed for an adrenal incidentaloma, incidentally identified adrenal mass

1) Testing for Pheochromocytoma (may choose one of below)

Blood Test

- Catecholamines, fractionated
- Epinephrine
- Norepinephrine
- Dopamine

24h Urine Collection

- Metanephrine
- Normetanephrine
- Metanephrines, total
- Dopamine
- VMA
- Catecholamines, total

2) Testing for Cushing's & Conn's syndromes, as well as Adrenal Cancer (cortex-arising tumors)

Tests for Cushing's syndrome

- A.M. Cortisol
- ACTH (low)
- Low dose dexamethasone test
- Late-night salivary cortisol testing (saliva test)
- 24h urine collection for UFC = Urinary Free Cortisol

Tests for Conn's syndrome (Primary Hyperaldosteronism)

- Potassium (K⁺; low)
- Plasma aldosterone concentration (PAC)
- Plasma renin activity (PRA; low)
- PRA/PAC ratio
- Adrenal vein sampling (IR study, only needed if CT is negative or multiple tumors)
- 24h urine collection for Aldosterone

Tests for Sex-Steroid Hormones if Adrenal Cancer is suspected

- Testing for Cushing's syndrome and Conn's syndrome as above
- DHEAS
- 17-OH-Progesterone
- Androstenedione
- Total Testosterone
- Free Testosterone
- 17-Beta-estradiol (serum, only in men and postmenopausal women)

NOTE: When you have the disease all these tests are typically high (elevated), except those indicated as low. They classically have reduced levels.