

ADVANCED ADRENAL GLAND ANATOMY

Comprehensive Structural & Functional Reference

[ANATOMICAL ILLUSTRATION AREA]	
Capsule	
	Cortex
Medulla	

ADRENAL CORTEX (ZONATION)

- **Zona Glomerulosa:** Outer layer; secretes Mineralocorticoids (Aldosterone) for BP regulation.
- **Zona Fasciculata:** Middle layer; secretes Glucocorticoids (Cortisol) for metabolism/stress.
- **Zona Reticularis:** Inner layer; secretes Androgens (DHEA) for reproductive precursors.

ADRENAL MEDULLA

- **Chromaffin Cells:** Modified postganglionic neurons.
- **Catecholamines:** Synthesis of Epinephrine (80%) and Norepinephrine (20%).
- **Innervation:** Directly regulated by Preganglionic Sympathetic Fibers.

VASCULAR SUPPLY

- **Suprarenal Arteries:** Derived from Phrenic, Aorta, and Renal arteries.
- **Venous Drainage:** Right vein to Vena Cava; Left vein to Renal Vein.

Educational Template Only â€¢ Medical Reference Series â€¢ Not for Diagnostic Use