

AG		
Parts	Cortex	Medulla
%	85%	15%
Type	glandular	Neural (a modified symp. gang.)
origin	mesoderm	ectoderm
Cortex layers	(secretes CC, underlined are the most secreted from the respective layer) -glomerulosa: MC " <u>aldosterone</u> " -fasciculata: GC " <u>cortisol & corticosterone</u> " + androgens -reticularis: GC, <u>DHEA</u> & gonadocorticoids	
Path	Cong. Adrenal hyperplasia -defect in AG → no hormones → inc ACTH → hyperplasia -21hydroxylase defect -def in: cortisol, corticosterone & aldosterone -inc: androgens (in response to in ACTH) -symptom: female virilization (manly-like)	

Steroids hormones	
Origin	Cholesterol (LDL-cholesterol ester) -synthesized by lipid droplets using acetates
storage	-synthesized on demand (not stored)
First step in synth	-is conversion of cholest. To Pregnenolone -enz: <u>cholest dismolase</u> (aka: <u>cholest side chian cleavage enz "SCC"</u>) -once steroid hormones are made, immediately excreted -regulated by ACTH
Pr binding	CBG & albumin