

Tubular Structures

<u>Epithelium Lining Lumen</u>	<u>Organ</u>	<u>Muscle Layers</u>
Simple squamous	Arteries Veins	Media=circumferential Adventitia=longitudinal
Simple cuboidal	Many ducts	None
Simple columnar	GI Tube: Stomach, Small intestine, Large intestine Gall Bladder Oviduct Uterus	{ GI Layering: Musc. Mucosa, plus Musc. Externa with Inner=circ, Outer=long Randomly oriented Inner=circ, Outer=long No defined layers, rather multiple whirls of muscle ("girls have whirls")
Stratified squamous	Esophagus Vagina	GI Layering (Skeletal at top) Little muscle (inner=circ Outer=long)
Stratified cuboidal	Sweat gland ducts Mammary gland ducts	None None
Stratified columnar	Some salivary ducts	None
Pseudostratified columnar	Trachea Bronchi Bronchioles Efferent ductules Epididymis Vas deferens	Circ at opening of cartilage "C" Circular under cartilage Circular (no cartilage) Circular { At start: Circular At end: Inner and outer=long, middle=circ At start: same as epididymis (Inner + outer=long, middle=circ), At end (ejaculatory duct): little muscle
Transitional	Urinary bladder Ureter	Inner + outer=long, middle=circ Inner=long, outer=circ (opposite of GI tract)