

**KEY:**

**Red Highlights:** Changes to be made to DB ontology based on differences with ontology in flat files (for Editorial Office Use Only)

**Red text:** Changes to be made to DB ontology that were unable to be made during last ontology update (for Editorial Office Use Only)

## TS25 urinary and reproductive systems (17dpc)

EMAP:25790	mouse
EMAP:9800	- organ system
EMAP:9801	- visceral organ
EMAP:10886	- urinary system
EMAP:10894	- mesentery
EMAP:29615	- rest of mesentery
EMAP:10895	- urogenital mesentery
EMAP:10896	- metanephros (syn: kidney)
EMAP:10907	- renal capsule
EMAP:27726	- nephrogenic zone
EMAP:27733	- nephrogenic interstitium (syn: peripheral blastema)
EMAP:27740	- cap mesenchyme (syn: condensed mesenchyme)
EMAP:27747	- pretubular aggregate (syn: pretubular condensate)
EMAP:27754	- ureteric tip (syn: ureteric ampulla)
EMAP:31050	- ureteric tree terminal branch excluding tip itself
EMAP:10906	- renal cortex
EMAP:27833	- renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31697	- renal connecting segment of renal vesicle
EMAP:31728	- distal renal vesicle
EMAP:31722	- proximal renal vesicle
EMAP:27839	- comma-shaped body
EMAP:27845	- upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27851	- lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31714	- renal connecting segment of comma-shaped body
EMAP:27857	- s-shaped body (syn: stage II nephron)
EMAP:27869	- renal connecting tubule of s-shaped body
EMAP:27875	- distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27881	- medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27887	- proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27899	- visceral epithelium
EMAP:27905	- parietal epithelium
EMAP:27911	- capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929	- associated interstitium of renal corpuscle
EMAP:27923	- parietal epithelium
EMAP:27941	- presumptive endothelium of renal corpuscle
EMAP:27935	- presumptive mesangium
EMAP:27917	- visceral epithelium (syn: podocyte layer)
EMAP:27947	- maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953	- maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959	- glomerular capillary system of maturing glomerular tuft
EMAP:27965	- glomerular mesangium
EMAP:27971	- visceral epithelium (syn: podocyte layer)
EMAP:30969	- glomerular basement membrane
EMAP:27977	- Bowman's capsule (syn: glomerular capsule)
EMAP:27983	- parietal epithelium
EMAP:27989	- urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035	- glomerular mesangium of Bowman's capsule
EMAP:27995	- juxtaglomerular arteriole
EMAP:28231	- afferent arteriole
EMAP:28234	- efferent arteriole
EMAP:28237	- mature renal corpuscle (syn: Malpighian corpuscle)
EMAP:28240	- glomerular tuft (syn: glomerulus)
EMAP:28246	- glomerular capillary system
EMAP:28249	- glomerular mesangium
EMAP:28252	- glomerular basement membrane
EMAP:28255	- visceral epithelium (syn: podocyte layer)
EMAP:28258	- Bowman's capsule (syn: glomerular capsule)
EMAP:28261	- parietal epithelium
EMAP:28264	- urinary space of renal corpuscle (syn: Bowman's space)
EMAP:28267	- afferent arteriole
EMAP:28270	- part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273	- rest of afferent arteriole
EMAP:28276	- efferent arteriole

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EMAP:28279				└ extraglomerular mesangium
EMAP:10916				cortical renal tubule
EMAP:28282				└ renal proximal tubule
EMAP:28285				└ early proximal tubule
EMAP:31705				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613				└ early proximal tubule of maturing nephron
EMAP:28288				└ renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388				└ renal distal tubule
EMAP:28391				└ early distal tubule
EMAP:31640				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619				└ early distal tubule of maturing nephron
EMAP:28394				└ distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				└ distal straight tubule (syn: thick ascending limb)
EMAP:31380				└ premacula segment of distal straight tubule
EMAP:28400				└ macula densa
EMAP:28403				└ postmacula segment of distal straight tubule
EMAP:28015				└ renal connecting tubule
EMAP:31625				└ renal connecting tubule of capillary loop nephron
EMAP:31631				└ renal connecting tubule of maturing nephron
EMAP:31634				└ renal connecting tubule of mature nephron
EMAP:28134				└ cortical collecting duct
EMAP:28140				└ renal cortical interstitium (syn: cortical stroma)
EMAP:31292				└ renal cortical fibroblasts
EMAP:31300				└ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31308				└ rest of renal cortical interstitium
EMAP:28145				└ renal cortical vasculature
EMAP:28150				└ renal cortical arterial system
EMAP:28213				└ interlobular artery
EMAP:28216				└ arcuate artery
EMAP:28155				└ renal cortical venous system
EMAP:28219				└ interlobular vein
EMAP:28222				└ arcuate vein
EMAP:30040				└ renal cortical capillary
EMAP:31315				└ renal cortical lymphatics
EMAP:31322				└ renal cortical nerves
EMAP:28045				└ renal medulla
EMAP:10911				└ renal medullary interstitium (syn: medullary stroma)
EMAP:31329				└ renal medullary fibroblasts
EMAP:31336				└ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31343				└ rest of renal medullary interstitium
EMAP:28311				└ outer medulla
EMAP:28323				└ loop of Henle, outer medullary portion
EMAP:28326				└ thin descending limb
EMAP:28329				└ thin ascending limb (syn: ascending thin limb)
EMAP:28863				└ proximal straight tubule (syn: pars recta; segment 3 of proximal tubule)
EMAP:28332				└ premacula segment of distal straight tubule (syn: thick ascending limb)
EMAP:28338				└ outer medullary interstitium
EMAP:31385				└ outer medullary fibroblast
EMAP:31390				└ resident macrophage of the outer medulla (syn: renal monocytes of the outer medulla)
EMAP:31395				└ rest of outer medullary interstitium
EMAP:28347				└ outer medullary collecting duct
EMAP:28350				└ inner medulla (syn: papilla)
EMAP:28353				└ loop of Henle, inner medullary portion
EMAP:28356				└ thin descending limb
EMAP:28359				└ bend (syn: U-turn)
EMAP:28362				└ thin ascending limb (syn: ascending thin limb)
EMAP:28365				└ inner medullary interstitium (syn: papillary interstitium)
EMAP:31400				└ inner medullary fibroblast
EMAP:31405				└ resident macrophage of the inner medulla (syn: renal monocytes of the inner medulla)
EMAP:31410				└ rest of inner medullary interstitium
EMAP:28371				└ inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28160				└ renal medullary vasculature
EMAP:28165				└ renal medullary arterial system
EMAP:28170				└ renal medullary venous system
EMAP:30046				└ renal medullary capillary (syn: vasa recta)
EMAP:31350				└ renal medullary lymphatics
EMAP:31357				└ renal medullary nerves
EMAP:10899				└ calyx
EMAP:10900				└ major
EMAP:10901				└ minor
EMAP:10902				└ pelvis

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EMAP:28081				pelvic urothelial lining (syn: pelvic urothelium)
EMAP:28123				pelvic smooth muscle
EMAP:28087			L	perihilar interstitium
EMAP:31363				perihilar fibroblast
EMAP:31369				resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31375			L	rest of perihilar interstitium
EMAP:28374			-	renal artery
EMAP:29979				endothelial layer of renal artery
EMAP:30000				endothelium of renal artery
EMAP:30008			L	smooth muscle layer of renal artery
EMAP:28377			-	renal vein
EMAP:29967				endothelial layer of renal vein
EMAP:30016				endothelium of renal vein
EMAP:30024			L	smooth muscle layer of renal vein
EMAP:10904			-	ureter
EMAP:28093				urothelium (syn: transitional epithelium)
EMAP:28593				superficial cellular layer (syn: umbrella cell)
EMAP:28105			L	deep cellular layer (syn: basal urothelium)
EMAP:28804				intermediate cell layer
EMAP:28809				basal cell layer
EMAP:28842			-	lamina propria
EMAP:28845			-	ureteral smooth muscle layer
EMAP:28848				smooth muscle component
EMAP:28851			L	interstitium (syn: Cajal cell)
EMAP:28118			-	adventitia of ureter
EMAP:30856			L	ureteral vasculature
EMAP:10888			-	bladder
EMAP:28605				epithelium of bladder (syn: urothelium)
EMAP:28611				epithelium of fundus
EMAP:28617				epithelium of trigone
EMAP:30085			L	epithelium of neck
EMAP:30092			-	lamina propria of the bladder
EMAP:30106				lamina propria of fundus
EMAP:30113				lamina propria of trigone
EMAP:30120			L	lamina propria of neck
EMAP:28623			-	muscularis mucosa of bladder
EMAP:28629				muscularis mucosa of fundus
EMAP:28635				muscularis mucosa of trigone
EMAP:30141			L	muscularis mucosa of neck
EMAP:28641			-	detrusor muscle of bladder
EMAP:28647				detrusor muscle of fundus
EMAP:28653				detrusor muscle of trigone
EMAP:30127			L	detrusor muscle of neck
EMAP:28665			-	serosa of bladder
EMAP:28671				serosa of fundus
EMAP:28677				serosa of trigone
EMAP:30134			L	serosa of neck
EMAP:28829			-	adventitia of bladder
EMAP:28834				adventitia of fundus
EMAP:28839				adventitia of trigone
EMAP:30147			L	adventitia of neck
EMAP:28683			-	blood vessels of bladder
EMAP:31657				nerve of bladder
EMAP:10891			-	urachus
EMAP:28751			-	urethra of female
EMAP:28757				pelvic urethra of female
EMAP:28763				epithelial layer of pelvic urethra of female
EMAP:28769				mesenchymal layer of pelvic urethra of female
EMAP:31750				mesenchymal layer of dorsal pelvic urethra of female
EMAP:31747			L	mesenchymal layer of ventral pelvic urethra of female
EMAP:28775			-	muscle layer of pelvic urethra of female
EMAP:31764				muscle layer of dorsal pelvic urethra of female
EMAP:31761			L	muscle layer of ventral pelvic urethra of female
EMAP:31797			-	nerve of pelvic urethra of female
EMAP:30920			L	phallic urethra of female (syn: external urethra of female)
EMAP:30931				epithelial layer of phallic urethra of female
EMAP:30935				mesenchymal layer of phallic urethra of female
EMAP:30939				muscle layer of phallic urethra of female
EMAP:31738			L	nerve of phallic urethra of female
EMAP:10949			-	urethra of male
EMAP:10950				pelvic urethra of male
EMAP:28701				epithelial layer of pelvic urethra of male

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EMAP:28707				mesenchymal layer of pelvic urethra of male
EMAP:31744				mesenchymal layer of dorsal pelvic urethra of male
EMAP:31735				mesenchymal layer of ventral pelvic urethra of male
EMAP:28713				muscle layer of pelvic urethra of male
EMAP:31756				muscle layer of dorsal pelvic urethra of male
EMAP:31753				muscle layer of ventral pelvic urethra of male
EMAP:31787				nerve of pelvic urethra of male
EMAP:28719				phallic urethra of male (syn: external urethra of male)
EMAP:28854				epithelial layer of phallic urethra of male
EMAP:28857				mesenchymal layer of phallic urethra of male
EMAP:28860				muscle layer of phallic urethra of male
EMAP:31803				nerve of phallic urethra of male
EMAP:10913				urorectal septum
EMAP:31646				pelvic ganglion
EMAP:9802				- reproductive system
EMAP:9803				- male reproductive system
EMAP:9804				- testis
EMAP:29194				- rete testis
EMAP:9809				- interstitium of the testis (syn: interstitial tissue)
EMAP:12996				- fetal Leydig cell
EMAP:12998				- rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:13004				- tunica vaginalis testis
EMAP:9807				- seminiferous cord (syn: seminiferous tubule)
EMAP:13000				- Sertoli cell
EMAP:9808				- germ cell of testis
EMAP:29247				- peritubular myoid cell
EMAP:9813				- mediastinum testis
EMAP:29120				- developing vasculature of the testis
EMAP:29128				- coelomic vessel
EMAP:29136				- interstitial vessel
EMAP:29264				- tunica albuginea of testis
EMAP:31241				- surface epithelium of testis
EMAP:29305				- cystic vesicular appendage
EMAP:26916				- inguinal canal
EMAP:29308				- inguinal ring
EMAP:29311				- external inguinal ring
EMAP:29314				- internal inguinal ring
EMAP:13006				- seminal vesicle (syn: vesicular seminalis)
EMAP:29322				- glandular tissue of seminal vesicle
EMAP:29284				- duct of the seminal vesicle
EMAP:10947				- efferent duct of seminal vesicle (syn: vasa efferentia)
EMAP:29319				- epididymis
EMAP:30587				- caput epididymis
EMAP:30613				- epithelium of caput of epididymis
EMAP:30617				- muscle layer of caput of epididymis
EMAP:30621				- adventitia of caput of epididymis
EMAP:31206				- developing vasculature of caput epididymis
EMAP:30583				- cauda epididymis
EMAP:30589				- epithelium of cauda of epididymis
EMAP:30593				- muscle layer of cauda of epididymis
EMAP:30597				- adventitia of cauda of epididymis
EMAP:31196				- developing vasculature of cauda epididymis
EMAP:30585				- corpus epididymis
EMAP:30601				- epithelium of corpus epididymis
EMAP:30605				- muscle layer of corpus of epididymis
EMAP:30609				- adventitia of corpus of epididymis
EMAP:31201				- developing vasculature of corpus epididymis
EMAP:31185				- developing vasculature of epididymis
EMAP:10938				- ductus deferens (syn: vas deferens)
EMAP:29276				- epithelium of ductus deferens
EMAP:29272				- muscle layer of ductus deferens
EMAP:31191				- developing vasculature of ductus deferens
EMAP:12723				- appendix epididymis
EMAP:12726				- appendix testis
EMAP:12729				- ejaculatory duct
EMAP:12733				- gubernaculum (syn: caudal suspensory ligament)
EMAP:10940				- mesorchium
EMAP:10941				- penis (syn: genital tubercle of male)
EMAP:10942				- glans penis
EMAP:30647				- surface epithelium of glans penis
EMAP:30643				- mesenchyme of glans penis
EMAP:30663				- crus penis

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EMAP:30669				surface epithelium of crus penis
EMAP:30665				mesenchyme of crus penis
EMAP:10943				prepuce of male
EMAP:30656				prepuce surface epithelium of male
EMAP:30660				preputial gland of male
EMAP:30651				prepuce mesenchyme of male
EMAP:29317				scrotal fold
EMAP:30626				scrotal fold mesenchyme of male
EMAP:30629				scrotal fold surface epithelium of male
EMAP:10917				female reproductive system
EMAP:10923				ovary
EMAP:10924				surface epithelium of ovary (syn: coelomic epithelium)
EMAP:30523				tunica albuginea of ovary (syn: ovarian capsule)
EMAP:28886				mesenchymal stroma of ovary
EMAP:29012				cortical component of mesenchymal stroma
EMAP:31042				rest of cortical component of mesenchymal stroma of ovary
EMAP:31037				pre-granulosa cell
EMAP:29017				medullary component of mesenchymal stroma
EMAP:31031				meiotic oocytes
EMAP:28894				developing vasculature of ovary
EMAP:10928				rete ovarii of ovary
EMAP:10922				mesovarium
EMAP:10925				cystic vesicular appendage
EMAP:12720				suspensory ligament of ovary
EMAP:10918				Müllerian tubercle
EMAP:10934				oviduct
EMAP:29044				epithelial layer of oviduct
EMAP:29047				muscle layer of oviduct
EMAP:29050				outer layer of oviduct
EMAP:31216				developing vasculature of oviduct
EMAP:10935				uterine horn (syn: uterus)
EMAP:29032				epithelium (syn: endometrium)
EMAP:29036				muscular layer (syn: myometrium)
EMAP:31211				developing vasculature of uterine horn
EMAP:30677				outer layer of uterine horn
EMAP:10936				vagina
EMAP:10954				lower part of vagina
EMAP:29059				epithelial layer of lower part of vagina
EMAP:29063				muscular layer of lower part of vagina
EMAP:31226				developing vasculature of lower part of vagina
EMAP:10937				upper part of vagina
EMAP:29053				epithelial layer of upper part of vagina
EMAP:29056				muscular layer of upper part of vagina
EMAP:31221				developing vasculature of upper part of vagina
EMAP:10919				genital tubercle of female (syn: clitoris anlage)
EMAP:12986				glans clitoris
EMAP:30721				surface epithelium of glans clitoris
EMAP:30716				mesenchyme of glans clitoris
EMAP:12984				crus of clitoris
EMAP:30731				surface epithelium of crus of clitoris
EMAP:30726				mesenchyme of crus of clitoris
EMAP:30700				prepuce of female
EMAP:30708				prepuce surface epithelium of female
EMAP:30712				preputial gland of female
EMAP:30704				prepuce mesenchyme of female
EMAP:10921				labial swelling (syn: labia)
EMAP:30440				surface epithelium of labial swelling
EMAP:30435				mesenchymal layer of labial swelling
EMAP:12988				inguinal canal
EMAP:12990				inguinal ring
EMAP:12992				internal (syn: deep)
EMAP:12994				external (syn: superficial)

## TS25 Groups

'G' : Term is a group.

EMAP:25790	mouse
EMAP:9800	organ system
EMAP:9801	visceral organ
EMAP:10886	urinary system
EMAP:10896	metanephros (syn: kidney)
EMAP:10906	renal cortex
EMAP:10916	cortical renal tubule
EMAP:31822 G	cortical renal tubule of capillary loop nephron GROUP
EMAP:31285	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705	early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625	renal connecting tubule of capillary loop nephron
EMAP:31816 G	cortical renal tubule of maturing nephron GROUP
EMAP:31619	early distal tubule of maturing nephron
EMAP:31613	early proximal tubule of maturing nephron
EMAP:31631	renal connecting tubule of maturing nephron
EMAP:31791 G	cortical renal tubule of mature nephron GROUP
EMAP:28394	distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397	distal straight tubule (syn: thick ascending limb)
EMAP:31380	premacula segment of distal straight tubule
EMAP:28400	macula densa
EMAP:28403	postmacula segment
EMAP:31634	renal connecting tubule of mature nephron
EMAP:28288	renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28504 G	early tubule
EMAP:27833	renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31697	renal connecting segment of renal vesicle
EMAP:31728	distal renal vesicle
EMAP:31722	proximal renal vesicle
EMAP:27839	comma-shaped body
EMAP:27845	upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27851	lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31714	renal connecting segment of comma-shaped body
EMAP:27857	s-shaped body (syn: stage II nephron)
EMAP:27869	renal connecting tubule of s-shaped body
EMAP:27875	distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27881	medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27887	proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27899	visceral epithelium
EMAP:27905	parietal epithelium
EMAP:28510 G	developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27911	capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929	associated interstitium of renal corpuscle
EMAP:27923	parietal epithelium
EMAP:27941	presumptive endothelium of renal corpuscle
EMAP:27935	presumptive mesangium
EMAP:27917	visceral epithelium (syn: podocyte layer)
EMAP:10916	cortical renal tubule
EMAP:28282	renal proximal tubule
EMAP:28285	early proximal tubule
EMAP:31705	early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613	early proximal tubule of maturing nephron
EMAP:28288	renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388	renal distal tubule
EMAP:28391	early distal tubule
EMAP:31640	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619	early distal tubule of maturing nephron
EMAP:28394	distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397	distal straight tubule (syn: thick ascending limb)
EMAP:31380	premacula segment of distal straight tubule
EMAP:28400	macula densa
EMAP:28403	postmacula segment
EMAP:28015	renal connecting tubule
EMAP:31625	renal connecting tubule of capillary loop nephron
EMAP:31631	renal connecting tubule of maturing nephron
EMAP:31634	renal connecting tubule of mature nephron

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EMAP:31822				cortical renal tubule of capillary loop nephron GROUP
EMAP:31285				anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640				early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705				early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625				renal connecting tubule of capillary loop nephron
EMAP:31816				cortical renal tubule of maturing nephron GROUP
EMAP:31619				early distal tubule of maturing nephron
EMAP:31613				early proximal tubule of maturing nephron
EMAP:31631				renal connecting tubule of maturing nephron
EMAP:31791				cortical renal tubule of mature nephron GROUP
EMAP:28394				distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				distal straight tubule (syn: thick ascending limb)
EMAP:31380				premacula segment of distal straight tubule
EMAP:28400				macula densa
EMAP:28403				postmacula segment
EMAP:31634				renal connecting tubule of mature nephron
EMAP:28288				renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28489 G				maturing nephron (syn: stage IV nephron)
EMAP:27947				maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953				maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959				glomerular capillary system of maturing glomerular tuft
EMAP:27965				glomerular mesangium
EMAP:27971				visceral epithelium (syn: podocyte layer)
EMAP:30969				glomerular basement membrane
EMAP:27977				Bowman's capsule (syn: glomerular capsule)
EMAP:27983				parietal epithelium
EMAP:27989				urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035				glomerular mesangium of Bowman's capsule
EMAP:27995				juxtaglomerular arteriole
EMAP:28231				afferent arteriole
EMAP:28234				efferent arteriole
EMAP:10916				cortical renal tubule
EMAP:28282				renal proximal tubule
EMAP:28285				early proximal tubule
EMAP:31705				early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613				early proximal tubule of maturing nephron
EMAP:28288				renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285				anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388				renal distal tubule
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EMAP:31625				renal connecting tubule of capillary loop nephron
EMAP:31631				renal connecting tubule of maturing nephron
EMAP:31634				renal connecting tubule of mature nephron
EMAP:31822				cortical renal tubule of capillary loop nephron GROUP
EMAP:31285				anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640				early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705				early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625				renal connecting tubule of capillary loop nephron
EMAP:31816				cortical renal tubule of maturing nephron GROUP
EMAP:31619				early distal tubule of maturing nephron
EMAP:31613				early proximal tubule of maturing nephron
EMAP:31631				renal connecting tubule of maturing nephron
EMAP:31791				cortical renal tubule of mature nephron GROUP
EMAP:28394				distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				distal straight tubule (syn: thick ascending limb)
EMAP:31380				premacula segment of distal straight tubule
EMAP:28400				macula densa
EMAP:28403				postmacula segment
EMAP:31634				renal connecting tubule of mature nephron
EMAP:28288				renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:28531 G				late tubule
EMAP:27911				capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929				associated interstitium of renal corpuscle
EMAP:27923				parietal epithelium

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EMAP:27941				presumptive endothelium of renal corpuscle
EMAP:27935				presumptive mesangium
EMAP:27917				visceral epithelium (syn: podocyte layer)
EMAP:27947				maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953				maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959				glomerular capillary system of maturing glomerular tuft
EMAP:27965				glomerular mesangium
EMAP:27971				visceral epithelium (syn: podocyte layer)
EMAP:30969				glomerular basement membrane
EMAP:27977				Bowman's capsule (syn: glomerular capsule)
EMAP:27983				parietal epithelium
EMAP:27989				urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035				glomerular mesangium of Bowman's capsule
EMAP:27995				juxtaglomerular arteriole
EMAP:28231				afferent arteriole
EMAP:28234				efferent arteriole
EMAP:10916				cortical renal tubule
EMAP:28282				renal proximal tubule
EMAP:28285				early proximal tubule
EMAP:31705				early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613				early proximal tubule of maturing nephron
EMAP:28288				renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285				anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388				renal distal tubule
EMAP:28391				early distal tubule
EMAP:31640				early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619				early distal tubule of maturing nephron
EMAP:28394				distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				distal straight tubule (syn: thick ascending limb)
EMAP:31380				premacula segment of distal straight tubule
EMAP:28400				macula densa
EMAP:28403				postmacula segment
EMAP:28015				renal connecting tubule
EMAP:31625				renal connecting tubule of capillary loop nephron
EMAP:31631				renal connecting tubule of maturing nephron
EMAP:31634				renal connecting tubule of mature nephron
EMAP:31822				cortical renal tubule of capillary loop nephron GROUP
EMAP:31285				anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640				early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705				early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625				renal connecting tubule of capillary loop nephron
EMAP:31816				cortical renal tubule of maturing nephron GROUP
EMAP:31619				early distal tubule of maturing nephron
EMAP:31613				early proximal tubule of maturing nephron
EMAP:31631				renal connecting tubule of maturing nephron
EMAP:31791				cortical renal tubule of mature nephron GROUP
EMAP:28394				distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				distal straight tubule (syn: thick ascending limb)
EMAP:31380				premacula segment of distal straight tubule
EMAP:28400				macula densa
EMAP:28403				postmacula segment
EMAP:31634				renal connecting tubule of mature nephron
EMAP:28288				renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:30450 G				juxtaglomerular complex
EMAP:28279				extraglomerular mesangium
EMAP:28400				macula densa
EMAP:28270				part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28045				renal medulla
EMAP:31496 G				Loop of Henle group
EMAP:28323				loop of Henle, outer medullary portion
EMAP:28326				thin descending limb
EMAP:28329				thin ascending limb (syn: ascending thin limb)
EMAP:28863				proximal straight tubule (syn: pars recta; segment 3 of proximal tubule)
EMAP:28332				premacula segment of distal straight tubule (syn: thick ascending limb)
EMAP:28353				loop of Henle, inner medullary portion
EMAP:28356				thin descending limb
EMAP:28359				bend (syn: U-turn)
EMAP:28362				thin ascending limb (syn: ascending thin limb)
EMAP:10909 G				early nephron GROUP (syn: early tubule)
EMAP:10916				cortical renal tubule
EMAP:28282				renal proximal tubule
EMAP:28285				early proximal tubule

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EMAP:31705				- early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31613				- early proximal tubule of maturing nephron
EMAP:28288				- renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:31285				- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28388				- renal distal tubule
EMAP:28391				- early distal tubule
EMAP:31640				- early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31619				- early distal tubule of maturing nephron
EMAP:28394				- distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				- distal straight tubule (syn: thick ascending limb)
EMAP:31380				- premacula segment of distal straight tubule
EMAP:28400				- macula densa
EMAP:28403				- postmacula segment
EMAP:28015				- renal connecting tubule
EMAP:31625				- renal connecting tubule of capillary loop nephron
EMAP:31631				- renal connecting tubule of maturing nephron
EMAP:31634				- renal connecting tubule of mature nephron
EMAP:31822				- cortical renal tubule of capillary loop nephron GROUP
EMAP:31285				- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31640				- early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31705				- early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31625				- renal connecting tubule of capillary loop nephron
EMAP:31816				- cortical renal tubule of maturing nephron GROUP
EMAP:31619				- early distal tubule of maturing nephron
EMAP:31613				- early proximal tubule of maturing nephron
EMAP:31631				- renal connecting tubule of maturing nephron
EMAP:31791				- cortical renal tubule of mature nephron GROUP
EMAP:28394				- distal convoluted tubule (syn: second convoluted tubule)
EMAP:28397				- distal straight tubule (syn: thick ascending limb)
EMAP:31380				- premacula segment of distal straight tubule
EMAP:28400				- macula densa
EMAP:28403				- postmacula segment
EMAP:31634				- renal connecting tubule of mature nephron
EMAP:28288				- renal proximal convoluted tubule (syn: first convoluted tubule)
EMAP:27833				- renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31697				- renal connecting segment of renal vesicle
EMAP:31728				- distal renal vesicle
EMAP:31722				- proximal renal vesicle
EMAP:27839				- comma-shaped body
EMAP:27845				- upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27851				- lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31714				- renal connecting segment of comma-shaped body
EMAP:27857				- s-shaped body (syn: stage II nephron)
EMAP:27869				- renal connecting tubule of s-shaped body
EMAP:27875				- distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27881				- medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27887				- proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27899				- visceral epithelium
EMAP:27905				- parietal epithelium
EMAP:27911				- capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27929				- associated interstitium of renal corpuscle
EMAP:27923				- parietal epithelium
EMAP:27941				- presumptive endothelium of renal corpuscle
EMAP:27935				- presumptive mesangium
EMAP:27917				- visceral epithelium (syn: podocyte layer)
EMAP:27947				- maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27953				- maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27959				- glomerular capillary system of maturing glomerular tuft
EMAP:27965				- glomerular mesangium
EMAP:27971				- visceral epithelium (syn: podocyte layer)
EMAP:30969				- glomerular basement membrane
EMAP:27977				- Bowman's capsule (syn: glomerular capsule)
EMAP:27983				- parietal epithelium
EMAP:27989				- urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30035				- glomerular mesangium of Bowman's capsule
EMAP:27995				- juxtaglomerular arteriole
EMAP:28231				- afferent arteriole
EMAP:28234				- efferent arteriole
EMAP:28237				- mature renal corpuscle (syn: Malpighian corpuscle)
EMAP:28240				- glomerular tuft (syn: glomerulus)
EMAP:28246				- glomerular capillary system
EMAP:28249				- glomerular mesangium

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EMAP:28252				<ul style="list-style-type: none"> <li>  glomerular basement membrane</li> <li>  visceral epithelium (syn: podocyte layer)</li> </ul>
EMAP:28255				<ul style="list-style-type: none"> <li>- Bowman's capsule (syn: glomerular capsule)</li> </ul>
EMAP:28258				<ul style="list-style-type: none"> <li>  parietal epithelium</li> </ul>
EMAP:28261				<ul style="list-style-type: none"> <li>  urinary space of renal corpuscle (syn: Bowman's space)</li> </ul>
EMAP:28264				<ul style="list-style-type: none"> <li>- afferent arteriole</li> </ul>
EMAP:28267				<ul style="list-style-type: none"> <li>  part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)</li> </ul>
EMAP:28270				<ul style="list-style-type: none"> <li>  rest of afferent arteriole</li> </ul>
EMAP:28273				<ul style="list-style-type: none"> <li>- efferent arteriole</li> </ul>
EMAP:28276				<ul style="list-style-type: none"> <li>- extraglomerular mesangium</li> </ul>
EMAP:28279				
EMAP:28492 G				<ul style="list-style-type: none"> <li>- mature nephron</li> </ul>
EMAP:10916				<ul style="list-style-type: none"> <li>  cortical renal tubule</li> </ul>
EMAP:28282				<ul style="list-style-type: none"> <li>  renal proximal tubule</li> </ul>
EMAP:28285				<ul style="list-style-type: none"> <li>  early proximal tubule</li> </ul>
EMAP:31705				<ul style="list-style-type: none"> <li>    early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)</li> </ul>
EMAP:31613				<ul style="list-style-type: none"> <li>    early proximal tubule of maturing nephron</li> </ul>
EMAP:28288				<ul style="list-style-type: none"> <li>  renal proximal convoluted tubule (syn: first convoluted tubule)</li> </ul>
EMAP:31285				<ul style="list-style-type: none"> <li>- anlage of loop of Henle (syn: primitive loop of Henle)</li> </ul>
EMAP:28388				<ul style="list-style-type: none"> <li>  renal distal tubule</li> </ul>
EMAP:28391				<ul style="list-style-type: none"> <li>  early distal tubule</li> </ul>
EMAP:31640				<ul style="list-style-type: none"> <li>    early distal tubule of capillary loop nephron (syn: anlage of distal tubule)</li> </ul>
EMAP:31619				<ul style="list-style-type: none"> <li>    early distal tubule of maturing nephron</li> </ul>
EMAP:28394				<ul style="list-style-type: none"> <li>  distal convoluted tubule (syn: second convoluted tubule)</li> </ul>
EMAP:28397				<ul style="list-style-type: none"> <li>  distal straight tubule (syn: thick ascending limb)</li> </ul>
EMAP:31380				<ul style="list-style-type: none"> <li>    premacula segment of distal straight tubule</li> </ul>
EMAP:28400				<ul style="list-style-type: none"> <li>    macula densa</li> </ul>
EMAP:28403				<ul style="list-style-type: none"> <li>    postmacula segment</li> </ul>
EMAP:28015				<ul style="list-style-type: none"> <li>- renal connecting tubule</li> </ul>
EMAP:31625				<ul style="list-style-type: none"> <li>  renal connecting tubule of capillary loop nephron</li> </ul>
EMAP:31631				<ul style="list-style-type: none"> <li>  renal connecting tubule of maturing nephron</li> </ul>
EMAP:31634				<ul style="list-style-type: none"> <li>  renal connecting tubule of mature nephron</li> </ul>
EMAP:31822				<ul style="list-style-type: none"> <li>- cortical renal tubule of capillary loop nephron GROUP</li> </ul>
EMAP:31285				<ul style="list-style-type: none"> <li>  anlage of loop of Henle (syn: primitive loop of Henle)</li> </ul>
EMAP:31640				<ul style="list-style-type: none"> <li>  early distal tubule of capillary loop nephron (syn: anlage of distal tubule)</li> </ul>
EMAP:31705				<ul style="list-style-type: none"> <li>  early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)</li> </ul>
EMAP:31625				<ul style="list-style-type: none"> <li>  renal connecting tubule of capillary loop nephron</li> </ul>
EMAP:31816				<ul style="list-style-type: none"> <li>- cortical renal tubule of maturing nephron GROUP</li> </ul>
EMAP:31619				<ul style="list-style-type: none"> <li>  early distal tubule of maturing nephron</li> </ul>
EMAP:31613				<ul style="list-style-type: none"> <li>  early proximal tubule of maturing nephron</li> </ul>
EMAP:31631				<ul style="list-style-type: none"> <li>  renal connecting tubule of maturing nephron</li> </ul>
EMAP:31791				<ul style="list-style-type: none"> <li>- cortical renal tubule of mature nephron GROUP</li> </ul>
EMAP:28394				<ul style="list-style-type: none"> <li>  distal convoluted tubule (syn: second convoluted tubule)</li> </ul>
EMAP:28397				<ul style="list-style-type: none"> <li>  distal straight tubule (syn: thick ascending limb)</li> </ul>
EMAP:31380				<ul style="list-style-type: none"> <li>    premacula segment of distal straight tubule</li> </ul>
EMAP:28400				<ul style="list-style-type: none"> <li>    macula densa</li> </ul>
EMAP:28403				<ul style="list-style-type: none"> <li>    postmacula segment</li> </ul>
EMAP:31634				<ul style="list-style-type: none"> <li>  renal connecting tubule of mature nephron</li> </ul>
EMAP:28288				<ul style="list-style-type: none"> <li>  renal proximal convoluted tubule (syn: first convoluted tubule)</li> </ul>
EMAP:31496				<ul style="list-style-type: none"> <li>- Loop of Henle group</li> </ul>
EMAP:28323				<ul style="list-style-type: none"> <li>  loop of Henle, outer medullary portion</li> </ul>
EMAP:28326				<ul style="list-style-type: none"> <li>  thin descending limb</li> </ul>
EMAP:28329				<ul style="list-style-type: none"> <li>  thin ascending limb (syn: ascending thin limb)</li> </ul>
EMAP:28863				<ul style="list-style-type: none"> <li>  proximal straight tubule (syn: pars recta; segment 3 of proximal tubule)</li> </ul>
EMAP:28332				<ul style="list-style-type: none"> <li>  premacula segment of distal straight tubule (syn: thick ascending limb)</li> </ul>
EMAP:28353				<ul style="list-style-type: none"> <li>- loop of Henle, inner medullary portion</li> </ul>
EMAP:28356				<ul style="list-style-type: none"> <li>  thin descending limb</li> </ul>
EMAP:28359				<ul style="list-style-type: none"> <li>  bend (syn: U-turn)</li> </ul>
EMAP:28362				<ul style="list-style-type: none"> <li>  thin ascending limb (syn: ascending thin limb)</li> </ul>
EMAP:28237				<ul style="list-style-type: none"> <li>- mature renal corpuscle (syn: Malpighian corpuscle)</li> </ul>
EMAP:28240				<ul style="list-style-type: none"> <li>  glomerular tuft (syn: glomerulus)</li> </ul>
EMAP:28246				<ul style="list-style-type: none"> <li>  glomerular capillary system</li> </ul>
EMAP:28249				<ul style="list-style-type: none"> <li>  glomerular mesangium</li> </ul>
EMAP:28252				<ul style="list-style-type: none"> <li>  glomerular basement membrane</li> </ul>
EMAP:28255				<ul style="list-style-type: none"> <li>    visceral epithelium (syn: podocyte layer)</li> </ul>
EMAP:28258				<ul style="list-style-type: none"> <li>- Bowman's capsule (syn: glomerular capsule)</li> </ul>
EMAP:28261				<ul style="list-style-type: none"> <li>  parietal epithelium</li> </ul>
EMAP:28264				<ul style="list-style-type: none"> <li>  urinary space of renal corpuscle (syn: Bowman's space)</li> </ul>
EMAP:28267				<ul style="list-style-type: none"> <li>- afferent arteriole</li> </ul>
EMAP:28270				<ul style="list-style-type: none"> <li>  part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)</li> </ul>
EMAP:28273				<ul style="list-style-type: none"> <li>  rest of afferent arteriole</li> </ul>
EMAP:28276				<ul style="list-style-type: none"> <li>- efferent arteriole</li> </ul>
EMAP:28279				<ul style="list-style-type: none"> <li>- extraglomerular mesangium</li> </ul>

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EMAP:28411	G			collecting duct (syn: ureteric tree)
EMAP:27754				ureteric tip (syn: ureteric ampulla)
EMAP:31050				ureteric tree terminal branch excluding tip itself
EMAP:28525				ureteric trunk
EMAP:28134				cortical collecting duct
EMAP:28347				outer medullary collecting duct
EMAP:28371				inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28525	G			ureteric trunk
EMAP:28134				cortical collecting duct
EMAP:28347				outer medullary collecting duct
EMAP:28371				inner medullary collecting duct (syn: papillary collecting duct)
EMAP:28522	G			renal interstitium group
EMAP:27733				nephrogenic interstitium (syn: peripheral blastema)
EMAP:27929				associated interstitium of renal corpuscle
EMAP:27935				presumptive mesangium
EMAP:27965				glomerular mesangium
EMAP:28249				glomerular mesangium
EMAP:28279				extraglomerular mesangium
EMAP:28140				renal cortical interstitium (syn: cortical stroma)
EMAP:31292				renal cortical fibroblasts
EMAP:31300				resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31308				rest of renal cortical interstitium
EMAP:10911				renal medullary interstitium (syn: medullary stroma)
EMAP:31329				renal medullary fibroblasts
EMAP:31336				resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31343				rest of renal medullary interstitium
EMAP:28338				outer medullary interstitium
EMAP:31385				outer medullary fibroblast
EMAP:31390				resident macrophage of the outer medulla (syn: renal monocytes of the outer medulla)
EMAP:31395				rest of outer medullary interstitium
EMAP:28365				inner medullary interstitium (syn: papillary interstitium)
EMAP:31400				inner medullary fibroblast
EMAP:31405				resident macrophage of the inner medulla (syn: renal monocytes of the inner medulla)
EMAP:31410				rest of inner medullary interstitium
EMAP:28087				perihilar interstitium
EMAP:31363				perihilar fibroblast
EMAP:31369				resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31375				rest of perihilar interstitium
EMAP:31472	G			small blood vessels
EMAP:30040				renal cortical capillary
EMAP:28276				efferent arteriole
EMAP:28165				renal medullary arterial system
EMAP:28267				afferent arteriole
EMAP:28270				part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273				rest of afferent arteriole
EMAP:28246				glomerular capillary system
EMAP:27959				glomerular capillary system of maturing glomerular tuft
EMAP:30046				renal medullary capillary (syn: vasa recta)
EMAP:28170				renal medullary venous system
EMAP:31446	G			renal capillaries
EMAP:28246				glomerular capillary system
EMAP:30040				renal cortical capillary
EMAP:30046				renal medullary capillary (syn: vasa recta)
EMAP:31773	G			developing vasculature of urinary system GROUP
EMAP:28462				renal vasculature
EMAP:28246				glomerular capillary system
EMAP:27959				glomerular capillary system of maturing glomerular tuft
EMAP:27995				juxtaglomerular arteriole
EMAP:28231				afferent arteriole
EMAP:28234				efferent arteriole
EMAP:27941				presumptive endothelium of renal corpuscle
EMAP:28374				renal artery
EMAP:29979				endothelial layer of renal artery
EMAP:30000				endothelium of renal artery
EMAP:30008				smooth muscle layer of renal artery
EMAP:28377				renal vein
EMAP:29967				endothelial layer of renal vein
EMAP:30016				endothelium of renal vein
EMAP:30024				smooth muscle layer of renal vein
EMAP:30046				renal medullary capillary (syn: vasa recta)
EMAP:28213				interlobular artery
EMAP:28216				arcuate artery

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EMAP:28267				└ afferent arteriole
EMAP:28270				└ part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273				└ rest of afferent arteriole
EMAP:28219				└ interlobular vein
EMAP:28222				└ arcuate vein
EMAP:30856				└ ureteral vasculature
EMAP:28462 G				- renal vasculature
EMAP:28246				└ glomerular capillary system
EMAP:27959				└ glomerular capillary system of maturing glomerular tuft
EMAP:27995				└ juxtaglomerular arteriole
EMAP:28231				└ afferent arteriole
EMAP:28234				└ efferent arteriole
EMAP:27941				└ presumptive endothelium of renal corpuscle
EMAP:28374				└ renal artery
EMAP:29979				└ endothelial layer of renal artery
EMAP:30000				└ endothelium of renal artery
EMAP:30008				└ smooth muscle layer of renal artery
EMAP:28377				└ renal vein
EMAP:29967				└ endothelial layer of renal vein
EMAP:30016				└ endothelium of renal vein
EMAP:30024				└ smooth muscle layer of renal vein
EMAP:30046				└ renal medullary capillary (syn: vasa recta)
EMAP:28213				└ interlobular artery
EMAP:28216				└ arcuate artery
EMAP:28267				└ afferent arteriole
EMAP:28270				└ part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273				└ rest of afferent arteriole
EMAP:28219				└ interlobular vein
EMAP:28222				└ arcuate vein
EMAP:31439 G				- renal arterial system
EMAP:28374				└ renal artery
EMAP:29979				└ endothelial layer of renal artery
EMAP:30000				└ endothelium of renal artery
EMAP:30008				└ smooth muscle layer of renal artery
EMAP:28213				└ interlobular artery
EMAP:28216				└ arcuate artery
EMAP:28165				└ renal medullary arterial system
EMAP:31453 G				- renal venous system
EMAP:28377				└ renal vein
EMAP:29967				└ endothelial layer of renal vein
EMAP:30016				└ endothelium of renal vein
EMAP:30024				└ smooth muscle layer of renal vein
EMAP:28219				└ interlobular vein
EMAP:28222				└ arcuate vein
EMAP:28267				└ afferent arteriole
EMAP:28270				└ part of afferent arteriole forming the juxtaglomerular complex (syn: renin-producing cell)
EMAP:28273				└ rest of afferent arteriole
EMAP:28276				└ efferent arteriole
EMAP:28170				└ renal medullary venous system
EMAP:31809 G				- nerves of urethra GROUP
EMAP:31797				└ nerve of pelvic urethra of female
EMAP:31787				└ nerve of pelvic urethra of male
EMAP:31738				└ nerve of phallic urethra of female
EMAP:31803				└ nerve of phallic urethra of male
EMAP:9802				- reproductive system
EMAP:9803				└ male reproductive system
EMAP:29319				└ epididymis
EMAP:31006 G				└ epithelium of epididymis
EMAP:30613				└ epithelium of caput of epididymis
EMAP:30601				└ epithelium of corpus epididymis
EMAP:30589				└ epithelium of cauda of epididymis
EMAP:31014 G				└ muscle layer of epididymis
EMAP:30617				└ muscle layer of caput of epididymis
EMAP:30605				└ muscle layer of corpus of epididymis
EMAP:30593				└ muscle layer of cauda of epididymis
EMAP:31010 G				└ adventitia of epididymis
EMAP:30621				└ adventitia of caput of epididymis
EMAP:30609				└ adventitia of corpus of epididymis
EMAP:30597				└ adventitia of cauda of epididymis
EMAP:31237 G				└ developing vasculature system of epididymis
EMAP:31206				└ developing vasculature of caput epididymis
EMAP:31201				└ developing vasculature of corpus epididymis

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EMAP:31196			l developing vasculature of cauda epididymis
EMAP:30980 G			l male external genitalia
EMAP:10941			- penis (syn: genital tubercle of male)
EMAP:10942			- glans penis
EMAP:30647			- surface epithelium of glans penis
EMAP:30643			- mesenchyme of glans penis
EMAP:30663			- crus penis
EMAP:30669			- surface epithelium of crus penis
EMAP:30665			- mesenchyme of crus penis
EMAP:10943			- prepuce of male
EMAP:30656			- prepuce surface epithelium of male
EMAP:30660			- preputial gland of male
EMAP:30651			- prepuce mesenchyme of male
EMAP:29317			- scrotal fold
EMAP:30626			- scrotal fold mesenchyme of male
EMAP:30629			- scrotal fold surface epithelium of male
EMAP:10917			- female reproductive system
EMAP:10923			- ovary
EMAP:31060 G			- ovigerous cord
EMAP:31031			- meiotic oocytes
EMAP:31037			- pre-granulosa cell
EMAP:10936			- vagina
EMAP:30993 G			- epithelium of vagina
EMAP:29059			- epithelial layer of lower part of vagina
EMAP:29053			- epithelial layer of upper part of vagina
EMAP:30999 G			- muscular layer of vagina
EMAP:29063			- muscular layer of lower part of vagina
EMAP:29056			- muscular layer of upper part of vagina
EMAP:31231 G			- developing vasculature of vagina
EMAP:31226			- developing vasculature of lower part of vagina
EMAP:31221			- developing vasculature of upper part of vagina
EMAP:30987 G			- female external genitalia
EMAP:10919			- genital tubercle of female (syn: clitoris anlage)
EMAP:12986			- glans clitoris
EMAP:30721			- surface epithelium of glans clitoris
EMAP:30716			- mesenchyme of glans clitoris
EMAP:12984			- crus of clitoris
EMAP:30731			- surface epithelium of crus of clitoris
EMAP:30726			- mesenchyme of crus of clitoris
EMAP:30700			- prepuce of female
EMAP:30708			- prepuce surface epithelium of female
EMAP:30712			- preputial gland of female
EMAP:30704			- prepuce mesenchyme of female
EMAP:10921			- labial swelling (syn: labia)
EMAP:30440			- surface epithelium of labial swelling
EMAP:30435			- mesenchymal layer of labial swelling
EMAP:31782 G			- developing vasculature of reproductive system GROUP
EMAP:28894			- developing vasculature of ovary
EMAP:29120			- developing vasculature of the testis
EMAP:29128			- coelomic vessel
EMAP:29136			- interstitial vessel
EMAP:31465 G			- large blood vessels
EMAP:28216			- arcuate artery
EMAP:28222			- arcuate vein
EMAP:28213			- interlobular artery
EMAP:28219			- interlobular vein
EMAP:10108			- renal artery
EMAP:13092			- renal vein