

TS24 urinary and reproductive systems (16dpc)

EMAP:25789 mouse
 EMAP:8440 | organ system
 EMAP:8441 | | visceral organ
 EMAP:9526 | | urinary system
 EMAP:9534 | | mesentery
 EMAP:29614 | | | rest of mesentery
 EMAP:9535 | | | urogenital mesentery
 EMAP:9536 | | metanephros (syn: kidney)
 EMAP:9547 | | renal capsule
 EMAP:27725 | | nephrogenic zone
 EMAP:27732 | | | nephrogenic interstitium (syn: peripheral blastema)
 EMAP:27739 | | | cap mesenchyme (syn: condensed mesenchyme)
 EMAP:27746 | | | pretubular aggregate (syn: pretubular condensate)
 EMAP:27753 | | | ureteric tip (syn: ureteric ampulla)
 EMAP:31049 | | | ureteric tree terminal branch excluding tip itself
 EMAP:9546 | renal cortex
 EMAP:27832 | | renal vesicle (syn: epithelial vesicle; stage I nephron)
 EMAP:31696 | | | renal connecting segment of renal vesicle
 EMAP:31727 | | | distal renal vesicle
 EMAP:31721 | | | proximal renal vesicle
 EMAP:27838 | | comma-shaped body
 EMAP:27844 | | | upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
 EMAP:27850 | | | lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
 EMAP:31713 | | | renal connecting segment of comma-shaped body
 EMAP:27856 | | s-shaped body (syn: stage II nephron)
 EMAP:27868 | | | renal connecting tubule of s-shaped body
 EMAP:27874 | | | distal segment of s-shaped body (syn: upper limb of s-shaped body)
 EMAP:27880 | | | medial segment of s-shaped body (syn: mid-portion of s-shaped body)
 EMAP:27886 | | | proximal segment of s-shaped body (syn: lower limb of s-shaped body)
 EMAP:27898 | | | | visceral epithelium of s-shaped body
 EMAP:27904 | | | | parietal epithelium of s-shaped body
 EMAP:27910 | | capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
 EMAP:27928 | | | associated interstitium of renal corpuscle
 EMAP:27922 | | | parietal epithelium
 EMAP:27940 | | | presumptive endothelium of renal corpuscle
 EMAP:27934 | | | presumptive mesangium
 EMAP:27916 | | | | visceral epithelium of capillary loop renal corpuscle (syn: podocyte layer)
 EMAP:27946 | maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
 EMAP:27952 | | maturing glomerular tuft (syn: maturing glomerulus)
 EMAP:27958 | | | glomerular capillary system of maturing glomerular tuft
 EMAP:27964 | | | glomerular mesangium
 EMAP:27970 | | | | visceral epithelium of maturing renal corpuscle (syn: podocyte layer)
 EMAP:30968 | | | | glomerular basement membrane
 EMAP:27976 | | | Bowman's capsule (syn: glomerular capsule)
 EMAP:27982 | | | | parietal epithelium
 EMAP:27988 | | | | urinary space of renal corpuscle (syn: Bowman's space)
 EMAP:30034 | | | | glomerular mesangium of Bowman's capsule
 EMAP:27994 | | | juxtaglomerular arteriole
 EMAP:9556 | cortical renal tubule
 EMAP:28006 | | early proximal tubule
 EMAP:31710 | | | early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
 EMAP:31704 | | | | early proximal tubule of maturing nephron
 EMAP:31284 | | | anlage of loop of Henle (syn: primitive loop of Henle)
 EMAP:28010 | | | early distal tubule
 EMAP:31612 | | | | early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
 EMAP:31618 | | | | early distal tubule of maturing nephron
 EMAP:28014 | | | renal connecting tubule
 EMAP:31624 | | | | renal connecting tubule of capillary loop nephron
 EMAP:31630 | | | | renal connecting tubule of maturing nephron
 EMAP:28133 | cortical collecting duct
 EMAP:28139 | | renal cortical interstitium (syn: cortical stroma)
 EMAP:31291 | | | renal cortical fibroblasts
 EMAP:31299 | | | resident macrophages of the cortex (syn: renal monocytes of the cortex)
 EMAP:31307 | | | rest of renal cortical interstitium
 EMAP:28144 | | renal cortical vasculature
 EMAP:28149 | | | renal cortical arterial system
 EMAP:28154 | | | renal cortical venous system
 EMAP:30039 | | | | renal cortical capillary
 EMAP:31314 | | | | renal cortical lymphatics
 EMAP:31321 | | | | renal cortical nerves

EMAP:28044			- renal medulla
EMAP:30865			- immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31020			- straight limb of immature loop of Henle
EMAP:31024			- bend of immature loop of Henle (syn: U-turn)
EMAP:31419			- rest of medullary renal tubule
EMAP:28064			- medullary collecting duct
EMAP:9551			- renal medullary interstitium (syn: medullary stroma)
EMAP:31328			- renal medullary fibroblasts
EMAP:31335			- resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31342			- rest of renal medullary interstitium
EMAP:28159			- renal medullary vasculature
EMAP:28164			- renal medullary arterial system
EMAP:28169			- renal medullary venous system
EMAP:30045			- renal medullary capillary (syn: vasa recta)
EMAP:31349			- renal medullary lymphatics
EMAP:31356			- renal medullary nerves
EMAP:9539			- calyx
EMAP:9542			- pelvis
EMAP:28080			- pelvic urothelial lining (syn: pelvic urothelium)
EMAP:28122			- pelvic smooth muscle
EMAP:28086			- perihilar interstitium
EMAP:31362			- perihilar fibroblast
EMAP:31368			- resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31374			- rest of perihilar interstitium
EMAP:28382			- renal artery
EMAP:29978			- endothelial layer of renal artery
EMAP:29999			- endothelium of renal artery
EMAP:30007			- smooth muscle layer of renal artery
EMAP:28386			- renal vein
EMAP:29966			- endothelial layer of renal vein
EMAP:30015			- endothelium of renal vein
EMAP:30023			- smooth muscle layer of renal vein
EMAP:9544			- ureter
EMAP:28092			- urothelium of ureter (syn: transitional epithelium)
EMAP:28592			- superficial cell layer of ureter (syn: umbrella cell)
EMAP:28803			- intermediate cell layer of ureter
EMAP:28808			- basal cell layer of ureter
EMAP:28560			- ureteral mesenchyme
EMAP:28566			- subepithelial layer (syn: presumptive lamina propria)
EMAP:28813			- ureteral smooth muscle layer (syn: presumptive ureteral smooth muscle layer)
EMAP:28816			- smooth muscle component
EMAP:30152			- interstitium (syn: Cajal cell)
EMAP:28574			- outer layer (syn: presumptive adventitia)
EMAP:30855			- ureteral vasculature
EMAP:9528			- bladder
EMAP:28604			- urothelium of bladder (syn: epithelium of bladder)
EMAP:32377			- superficial cell layer of bladder
EMAP:32384			- basal cell layer of bladder
EMAP:28610			- urothelium of fundus
EMAP:28616			- urothelium of trigone
EMAP:30084			- urothelium of neck
EMAP:30091			- lamina propria of bladder
EMAP:30105			- lamina propria of fundus
EMAP:30112			- lamina propria of trigone
EMAP:30119			- lamina propria of neck
EMAP:28622			- muscularis mucosa of bladder
EMAP:28628			- muscularis mucosa of fundus
EMAP:28634			- muscularis mucosa of trigone
EMAP:30140			- muscularis mucosa of neck
EMAP:32391			- submucosa of bladder
EMAP:32405			- submucosa of fundus
EMAP:32504			- submucosa of trigone
EMAP:32398			- submucosa of neck
EMAP:28640			- detrusor muscle of bladder
EMAP:28646			- detrusor muscle of fundus
EMAP:28652			- detrusor muscle of trigone
EMAP:30126			- detrusor muscle of neck
EMAP:28664			- serosa of bladder
EMAP:28670			- serosa of fundus
EMAP:28676			- serosa of trigone
EMAP:30133			- serosa of neck

EMAP:28828			adventitia of bladder
EMAP:28833			adventitia of fundus
EMAP:28838			adventitia of trigone
EMAP:30146			adventitia of neck
EMAP:28682			vasculature of bladder (syn: blood vessel of bladder)
EMAP:31656			nerve of bladder
EMAP:9531			urachus
EMAP:28750			urethra of female
EMAP:28756			pelvic urethra of female
EMAP:28762			urothelium of pelvic urethra of female
EMAP:32347			urothelium of dorsal pelvic urethra of female
EMAP:32354			superficial cell layer of dorsal pelvic urethra of female
EMAP:32516			intermediate cell layer of dorsal pelvic urethra of female
EMAP:32360			basal cell layer of dorsal pelvic urethra of female
EMAP:32421			urothelium of ventral pelvic urethra of female
EMAP:32457			superficial cell layer of ventral pelvic urethra of female
EMAP:32510			intermediate cell layer of ventral pelvic urethra of female
EMAP:32463			basal cell layer of ventral pelvic urethra of female
EMAP:28768			mesenchymal layer of pelvic urethra of female
EMAP:31749			mesenchymal layer of dorsal pelvic urethra of female
EMAP:31746			mesenchymal layer of ventral pelvic urethra of female
EMAP:28774			muscle layer of pelvic urethra of female
EMAP:31763			muscle layer of dorsal pelvic urethra of female
EMAP:31760			muscle layer of ventral pelvic urethra of female
EMAP:31796			nerve of pelvic urethra of female
EMAP:30919			phallic urethra of female (syn: external urethra of female)
EMAP:30926			urethral plate of female
EMAP:30929			urethral fold of female
EMAP:31737			nerve of phallic urethra of female
EMAP:9589			urethra of male
EMAP:9590			pelvic urethra of male
EMAP:28700			urothelium of pelvic urethra of male
EMAP:32494			urothelium of dorsal pelvic urethra of male
EMAP:32341			superficial cell layer of dorsal pelvic urethra of male
EMAP:32522			intermediate cell layer of dorsal pelvic urethra of male
EMAP:32325			basal cell layer of dorsal pelvic urethra of male
EMAP:32316			urothelium of ventral pelvic urethra of male
EMAP:32431			superficial cell layer of ventral pelvic urethra of male
EMAP:32552			intermediate cell layer of ventral pelvic urethra of male
EMAP:32331			basal cell layer of ventral pelvic urethra of male
EMAP:28706			mesenchymal layer of pelvic urethra of male
EMAP:31743			mesenchymal layer of dorsal pelvic urethra of male
EMAP:31734			mesenchymal layer of ventral pelvic urethra of male
EMAP:28712			muscle layer of pelvic urethra of male
EMAP:31755			muscle layer of dorsal pelvic urethra of male
EMAP:31752			muscle layer of ventral pelvic urethra of male
EMAP:31786			nerve of pelvic urethra of male
EMAP:28718			phallic urethra of male (syn: external urethra of male)
EMAP:28738			urethral fold of male
EMAP:9593			urethral plate of male
EMAP:31802			nerve of phallic urethra of male
EMAP:9553			urorectal septum
EMAP:31645			pelvic ganglion
EMAP:8442			reproductive system
EMAP:8443			male reproductive system
EMAP:8444			testis
EMAP:30521			coelomic epithelium of testis
EMAP:29193			rete testis
EMAP:8449			interstitium of the testis (syn: interstitial tissue)
EMAP:29087			fetal Leydig cell
EMAP:29095			rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:29267			tunica vaginalis testis
EMAP:8447			seminiferous cord (syn: seminiferous tubule)
EMAP:29241			Sertoli cell
EMAP:8448			germ cell of testis
EMAP:29246			peritubular myoid cell
EMAP:8453			mediastinum testis
EMAP:29119			developing vasculature of the testis
EMAP:29127			coelomic vessel
EMAP:29135			interstitial vessel
EMAP:29263			tunica albuginea of testis
EMAP:29279			seminal vesicle (syn: vesicular seminalis)

EMAP:32593				epithelial layer of seminal vesicle
EMAP:32601				muscle layer of seminal vesicle
EMAP:32597				adventitia of seminal vesicle
EMAP:32561				vasculature of seminal vesicle
EMAP:29702			epididymis	
EMAP:30586				caput epididymis
EMAP:30612				epithelium of caput of epididymis
EMAP:30616				muscle layer of caput of epididymis
EMAP:30620				adventitia of caput of epididymis
EMAP:31205				developing vasculature of caput epididymis
EMAP:30582			cauda epididymis	
EMAP:30588				epithelium of cauda of epididymis
EMAP:30592				muscle layer of cauda of epididymis
EMAP:30596				adventitia of cauda of epididymis
EMAP:31195				developing vasculature of cauda epididymis
EMAP:30584			corpus epididymis	
EMAP:30600				epithelium of corpus epididymis
EMAP:30604				muscle layer of corpus of epididymis
EMAP:30608				adventitia of corpus of epididymis
EMAP:31200				developing vasculature of corpus epididymis
EMAP:31184				developing vasculature of epididymis
EMAP:9578			ductus deferens (syn: vas deferens)	
EMAP:29275				epithelium of ductus deferens
EMAP:29271				muscle layer of ductus deferens
EMAP:31190				developing vasculature of ductus deferens
EMAP:12722			appendix epididymis	
EMAP:12725			appendix testis	
EMAP:12728			ejaculatory duct	
EMAP:32589				epithelial layer of ejaculatory duct
EMAP:32367				mesenchymal layer of ejaculatory duct
EMAP:32446				muscle layer of ejaculatory duct
EMAP:32565				vasculature of ejaculatory duct
EMAP:32605			male accessory gland	
EMAP:32607				prostate gland
EMAP:32451				epithelial layer of prostate gland
EMAP:32415				peri-prostatic mesenchyme of prostate gland
EMAP:12732			gubernaculum (syn: caudal suspensory ligament)	
EMAP:9580			mesorchium	
EMAP:9579			genital tubercle of male (syn: penis anlage)	
EMAP:9582				glans penis
EMAP:30633				glans surface epithelium of male
EMAP:30631				glans mesenchyme of male
EMAP:30635				prepuce of male
EMAP:30639				prepuce surface epithelium of male
EMAP:30641				preputial gland
EMAP:30637				prepuce mesenchyme of male
EMAP:30432				scrotal fold
EMAP:30625				scrotal fold mesenchyme of male
EMAP:30628				scrotal fold surface epithelium of male
EMAP:9557			female reproductive system	
EMAP:9563				ovary
EMAP:9564				surface epithelium of ovary (syn: coelomic epithelium)
EMAP:9566				mesenchymal stroma of ovary
EMAP:29011				cortical component of mesenchymal stroma
EMAP:31041				rest of cortical component of mesenchymal stroma of ovary
EMAP:31036				pre-granulosa cell
EMAP:29016				medullary component of mesenchymal stroma
EMAP:9567				germ cell of ovary (syn: oogonia; premeiotic germ cell)
EMAP:28975				premeiotic germ cell (syn: oogonia)
EMAP:28970				meiotic germ cell (syn: oocyte)
EMAP:31030				meiotic oocytes
EMAP:28893				developing vasculature of ovary
EMAP:9568				rete ovarii of ovary
EMAP:9562				mesovarium
EMAP:9565				cystic vesicular appendage
EMAP:12719				suspensory ligament of ovary
EMAP:9558				Mullerian tubercle
EMAP:9574				oviduct
EMAP:30674				epithelial layer of oviduct
EMAP:30673				muscle layer of oviduct
EMAP:30672				outer layer of oviduct
EMAP:31215				developing vasculature of oviduct

EMAP:9575		uterine horn (syn: uterus)
EMAP:29031		epithelium (syn: endometrium)
EMAP:29035		muscular layer (syn: myometrium)
EMAP:31210		developing vasculature of uterine horn
EMAP:30676		outer layer of uterine horn
EMAP:9576		vagina
EMAP:9594		lower part of vagina (syn: sinus vagina)
EMAP:30847		epithelial layer of lower part of vagina
EMAP:29062		muscular layer of lower part of vagina
EMAP:31225		developing vasculature of lower part of vagina
EMAP:9577		upper part of vagina
EMAP:30849		epithelial layer of upper part of vagina
EMAP:30848		muscular layer of upper part of vagina
EMAP:31220		developing vasculature of upper part of vagina
EMAP:9559		genital tubercle of female
EMAP:30683		preputial swelling of female (syn: prepuce of female)
EMAP:30691		surface epithelium of female preputial swelling
EMAP:30687		preputial gland of female
EMAP:30695		mesenchyme of female preputial swelling
EMAP:30680		distal genital tubercle of female (syn: glans of female)
EMAP:30681		surface epithelium of distal genital tubercle of female
EMAP:30682		mesenchyme of distal genital tubercle of female
EMAP:9561		labial swelling (syn: labia)
EMAP:30439		surface epithelium of labial swelling
EMAP:30434		mesenchymal layer of labial swelling

TS24 Groups

'G' : Term is a group.

EMAP:25789	mouse	
EMAP:8440		- organ system
EMAP:8441		- visceral organ
EMAP:9526		- urinary system
EMAP:9536		- metanephros (syn: kidney)
EMAP:9546		- renal cortex
EMAP:9556		- cortical renal tubule
EMAP:31821 G		- cortical renal tubule of capillary loop nephron GROUP
EMAP:31284		- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612		- early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710		- early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624		- renal connecting tubule of capillary loop nephron
EMAP:31815 G		- cortical renal tubule of maturing nephron GROUP
EMAP:31618		- early distal tubule of maturing nephron
EMAP:31704		- early proximal tubule of maturing nephron
EMAP:31630		- renal connecting tubule of maturing nephron
EMAP:28503 G		- early tubule
EMAP:27832		- renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31696		- renal connecting segment of renal vesicle
EMAP:31727		- distal renal vesicle
EMAP:31721		- proximal renal vesicle
EMAP:27838		- comma-shaped body
EMAP:27844		- upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27850		- lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31713		- renal connecting segment of comma-shaped body
EMAP:27856		- s-shaped body (syn: stage II nephron)
EMAP:27868		- renal connecting tubule of s-shaped body
EMAP:27874		- distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27880		- medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27886		- proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27898		- visceral epithelium of s-shaped body
EMAP:27904		- parietal epithelium of s-shaped body
EMAP:28509 G		- developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27910		- capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928		- associated interstitium of renal corpuscle
EMAP:27922		- parietal epithelium
EMAP:27940		- presumptive endothelium of renal corpuscle
EMAP:27934		- presumptive mesangium

EMAP:27916				└ visceral epithelium of capillary loop renal corpuscle (syn: podocyte layer)
EMAP:9556				cortical renal tubule
EMAP:28006				└ early proximal tubule
EMAP:31710				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010				└ early distal tubule
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:28014				└ renal connecting tubule
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:31821				└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31815				└ cortical renal tubule of maturing nephron GROUP
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:28488 G				└ maturing nephron (syn: stage IV nephron)
EMAP:27946				└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27952				└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27958				└ glomerular capillary system of maturing glomerular tuft
EMAP:27964				└ glomerular mesangium
EMAP:27970				└ visceral epithelium of maturing renal corpuscle (syn: podocyte layer)
EMAP:30968				└ glomerular basement membrane
EMAP:27976				└ Bowman's capsule (syn: glomerular capsule)
EMAP:27982				└ parietal epithelium
EMAP:27988				└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30034				└ glomerular mesangium of Bowman's capsule
EMAP:27994				└ juxtapaglomerular arteriole
EMAP:9556				└ cortical renal tubule
EMAP:28006				└ early proximal tubule
EMAP:31710				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010				└ early distal tubule
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:28014				└ renal connecting tubule
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:31821				└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31284				└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612				└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710				└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624				└ renal connecting tubule of capillary loop nephron
EMAP:31815				└ cortical renal tubule of maturing nephron GROUP
EMAP:31618				└ early distal tubule of maturing nephron
EMAP:31704				└ early proximal tubule of maturing nephron
EMAP:31630				└ renal connecting tubule of maturing nephron
EMAP:28530 G				└ late tubule
EMAP:27910				└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928				└ associated interstitium of renal corpuscle
EMAP:27922				└ parietal epithelium
EMAP:27940				└ presumptive endothelium of renal corpuscle
EMAP:27934				└ presumptive mesangium
EMAP:27916				└ visceral epithelium of capillary loop renal corpuscle (syn: podocyte layer)
EMAP:27946				└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27946				└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27952				└ glomerular capillary system of maturing glomerular tuft
EMAP:27958				└ glomerular mesangium
EMAP:27964				└ visceral epithelium of maturing renal corpuscle (syn: podocyte layer)
EMAP:27970				└ glomerular basement membrane
EMAP:30968				└ Bowman's capsule (syn: glomerular capsule)
EMAP:27976				└ parietal epithelium
EMAP:27982				└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:27988				└ glomerular mesangium of Bowman's capsule
EMAP:30034				└ juxtapaglomerular arteriole
EMAP:27994				└ cortical renal tubule
EMAP:9556				

EMAP:28006			early proximal tubule
EMAP:31710			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704			early proximal tubule of maturing nephron
EMAP:31284			- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010			- early distal tubule
EMAP:31612			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618			early distal tubule of maturing nephron
EMAP:28014			- renal connecting tubule
EMAP:31624			renal connecting tubule of capillary loop nephron
EMAP:31630			renal connecting tubule of maturing nephron
EMAP:31821			- cortical renal tubule of capillary loop nephron GROUP
EMAP:31284			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624			- renal connecting tubule of capillary loop nephron
EMAP:31815			- cortical renal tubule of maturing nephron GROUP
EMAP:31618			early distal tubule of maturing nephron
EMAP:31704			early proximal tubule of maturing nephron
EMAP:31630			- renal connecting tubule of maturing nephron
EMAP:28044			- renal medulla
EMAP:30865			immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31417 G			- medullary renal tubule
EMAP:31020			straight limb of immature loop of Henle
EMAP:31024			bend of immature loop of Henle (syn: U-turn)
EMAP:9549 G			- early nephron GROUP
EMAP:9556			- cortical renal tubule
EMAP:28006			early proximal tubule
EMAP:31710			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31704			early proximal tubule of maturing nephron
EMAP:31284			- anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28010			- early distal tubule
EMAP:31612			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31618			early distal tubule of maturing nephron
EMAP:28014			- renal connecting tubule
EMAP:31624			renal connecting tubule of capillary loop nephron
EMAP:31630			renal connecting tubule of maturing nephron
EMAP:31821			- cortical renal tubule of capillary loop nephron GROUP
EMAP:31284			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31612			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31710			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31624			- renal connecting tubule of capillary loop nephron
EMAP:31815			- cortical renal tubule of maturing nephron GROUP
EMAP:31618			early distal tubule of maturing nephron
EMAP:31704			early proximal tubule of maturing nephron
EMAP:31630			- renal connecting tubule of maturing nephron
EMAP:27832			- renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31696			- renal connecting segment of renal vesicle
EMAP:31727			- distal renal vesicle
EMAP:31721			- proximal renal vesicle
EMAP:27838			- comma-shaped body
EMAP:27844			upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27850			lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31713			- renal connecting segment of comma-shaped body
EMAP:27856			- s-shaped body (syn: stage II nephron)
EMAP:27868			renal connecting tubule of s-shaped body
EMAP:27874			distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27880			medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27886			- proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27898			- visceral epithelium of s-shaped body
EMAP:27904			- parietal epithelium of s-shaped body
EMAP:27910			- capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27928			associated interstitium of renal corpuscle
EMAP:27922			parietal epithelium
EMAP:27940			presumptive endothelium of renal corpuscle
EMAP:27934			presumptive mesangium
EMAP:27916			- visceral epithelium of capillary loop renal corpuscle (syn: podocyte layer)
EMAP:27946			- maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27952			maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27958			- glomerular capillary system of maturing glomerular tuft
EMAP:27964			- glomerular mesangium
EMAP:27970			- visceral epithelium of maturing renal corpuscle (syn: podocyte layer)
EMAP:30968			- glomerular basement membrane

EMAP:27976			- Bowman's capsule (syn: glomerular capsule)
EMAP:27982			- parietal epithelium
EMAP:27988			- urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30034			- glomerular mesangium of Bowman's capsule
EMAP:27994			- juxtaglomerular arteriole
EMAP:28410 G			- collecting duct (syn: ureteric tree)
EMAP:27753			- ureteric tip (syn: ureteric ampulla)
EMAP:31049			- ureteric tree terminal branch excluding tip itself
EMAP:28497			- ureteric trunk
EMAP:28133			- cortical collecting duct
EMAP:28064			- medullary collecting duct
EMAP:28497 G			- ureteric trunk
EMAP:28133			- cortical collecting duct
EMAP:28064			- medullary collecting duct
EMAP:28521 G			- renal interstitium group
EMAP:27732			- nephrogenic interstitium (syn: peripheral blastema)
EMAP:27928			- associated interstitium of renal corpuscle
EMAP:27934			- presumptive mesangium
EMAP:27964			- glomerular mesangium
EMAP:28139			- renal cortical interstitium (syn: cortical stroma)
EMAP:31291			- renal cortical fibroblasts
EMAP:31299			- resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31307			- rest of renal cortical interstitium
EMAP:9551			- renal medullary interstitium (syn: medullary stroma)
EMAP:31328			- renal medullary fibroblasts
EMAP:31335			- resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31342			- rest of renal medullary interstitium
EMAP:28086			- perihilar interstitium
EMAP:31362			- perihilar fibroblast
EMAP:31368			- resident macrophage of the perihilar interstitium (syn: renal monocytes of the perihilar interstitium)
EMAP:31374			- rest of perihilar interstitium
EMAP:31471 G			- small blood vessels
EMAP:30039			- renal cortical capillary
EMAP:28164			- renal medullary arterial system
EMAP:27958			- glomerular capillary system of maturing glomerular tuft
EMAP:30045			- renal medullary capillary (syn: vasa recta)
EMAP:28169			- renal medullary venous system
EMAP:31445 G			- renal capillaries
EMAP:30039			- renal cortical capillary
EMAP:30045			- renal medullary capillary (syn: vasa recta)
EMAP:31772 G			- developing vasculature of urinary system GROUP
EMAP:28461			- renal vasculature
EMAP:27958			- glomerular capillary system of maturing glomerular tuft
EMAP:27994			- juxtaglomerular arteriole
EMAP:27940			- presumptive endothelium of renal corpuscle
EMAP:28382			- renal artery
EMAP:29978			- endothelial layer of renal artery
EMAP:29999			- endothelium of renal artery
EMAP:30007			- smooth muscle layer of renal artery
EMAP:28386			- renal vein
EMAP:29966			- endothelial layer of renal vein
EMAP:30015			- endothelium of renal vein
EMAP:30023			- smooth muscle layer of renal vein
EMAP:30045			- renal medullary capillary (syn: vasa recta)
EMAP:30855			- ureteral vasculature
EMAP:28461 G			- renal vasculature
EMAP:27958			- glomerular capillary system of maturing glomerular tuft
EMAP:27994			- juxtaglomerular arteriole
EMAP:27940			- presumptive endothelium of renal corpuscle
EMAP:28382			- renal artery
EMAP:29978			- endothelial layer of renal artery
EMAP:29999			- endothelium of renal artery
EMAP:30007			- smooth muscle layer of renal artery
EMAP:28386			- renal vein
EMAP:29966			- endothelial layer of renal vein
EMAP:30015			- endothelium of renal vein
EMAP:30023			- smooth muscle layer of renal vein
EMAP:30045			- renal medullary capillary (syn: vasa recta)
EMAP:31438 G			- renal arterial system
EMAP:28382			- renal artery
EMAP:29978			- endothelial layer of renal artery

EMAP:29999		└ endothelium of renal artery
EMAP:30007		└ smooth muscle layer of renal artery
EMAP:28164		└ renal medullary arterial system
EMAP:31452 G		└ renal venous system
EMAP:28386		└ renal vein
EMAP:29966		└ endothelial layer of renal vein
EMAP:30015		└ endothelium of renal vein
EMAP:30023		└ smooth muscle layer of renal vein
EMAP:28169		└ renal medullary venous system
EMAP:31808 G		└ nerves of urethra GROUP
EMAP:31796		└ nerve of pelvic urethra of female
EMAP:31786		└ nerve of pelvic urethra of male
EMAP:31737		└ nerve of phallic urethra of female
EMAP:31802		└ nerve of phallic urethra of male
EMAP:8442		└ reproductive system
EMAP:8443		└ male reproductive system
EMAP:29702		└ epididymis
EMAP:31005 G		└ epithelium of epididymis
EMAP:30612		└ epithelium of caput of epididymis
EMAP:30600		└ epithelium of corpus epididymis
EMAP:30588		└ epithelium of cauda of epididymis
EMAP:31013 G		└ muscle layer of epididymis
EMAP:30616		└ muscle layer of caput of epididymis
EMAP:30604		└ muscle layer of corpus of epididymis
EMAP:30592		└ muscle layer of cauda of epididymis
EMAP:31009 G		└ adventitia of epididymis
EMAP:30620		└ adventitia of caput of epididymis
EMAP:30608		└ adventitia of corpus of epididymis
EMAP:30596		└ adventitia of cauda of epididymis
EMAP:31236 G		└ developing vasculature system of epididymis
EMAP:31205		└ developing vasculature of caput epididymis
EMAP:31200		└ developing vasculature of corpus epididymis
EMAP:31195		└ developing vasculature of cauda epididymis
EMAP:30979 G		└ male external genitalia
EMAP:9579		└ genital tubercle of male (syn: penis anlage)
EMAP:9582		└ glans penis
EMAP:30633		└ glans surface epithelium of male
EMAP:30631		└ glans mesenchyme of male
EMAP:30635		└ prepuce of male
EMAP:30639		└ prepuce surface epithelium of male
EMAP:30641		└ preputial gland
EMAP:30637		└ prepuce mesenchyme of male
EMAP:30432		└ scrotal fold
EMAP:30625		└ scrotal fold mesenchyme of male
EMAP:30628		└ scrotal fold surface epithelium of male
EMAP:9557		└ female reproductive system
EMAP:9563		└ ovary
EMAP:31059 G		└ ovigerous cord
EMAP:31030		└ meiotic oocytes
EMAP:31036		└ pre-granulosa cell
EMAP:9576		└ vagina
EMAP:30992 G		└ epithelium of vagina
EMAP:30847		└ epithelial layer of lower part of vagina
EMAP:30849		└ epithelial layer of upper part of vagina
EMAP:30998 G		└ muscular layer of vagina
EMAP:29062		└ muscular layer of lower part of vagina
EMAP:30848		└ muscular layer of upper part of vagina
EMAP:31230 G		└ developing vasculature of vagina
EMAP:31225		└ developing vasculature of lower part of vagina
EMAP:31220		└ developing vasculature of upper part of vagina
EMAP:30986 G		└ female external genitalia
EMAP:9559		└ genital tubercle of female
EMAP:30683		└ preputial swelling of female (syn: prepuce of female)
EMAP:30691		└ surface epithelium of female preputial swelling
EMAP:30687		└ preputial gland of female
EMAP:30695		└ mesenchyme of female preputial swelling
EMAP:30680		└ distal genital tubercle of female (syn: glans of female)
EMAP:30681		└ surface epithelium of distal genital tubercle of female
EMAP:30682		└ mesenchyme of distal genital tubercle of female
EMAP:9561		└ labial swelling (syn: labia)
EMAP:30439		└ surface epithelium of labial swelling
EMAP:30434		└ mesenchymal layer of labial swelling

EMAP:31781 G	└ developing vasculature of reproductive system GROUP
EMAP:28893	└ developing vasculature of ovary
EMAP:29119	└ developing vasculature of the testis
EMAP:29127	└ coelomic vessel
EMAP:29135	└ interstitial vessel