

KEY:

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

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
EMAP: 27904		parietal epithelium
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 (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 (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

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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
EMAP: 31024					└ bend (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 (syn: transitional epithelium)
EMAP: 28592					└ superficial cellular layer (syn: umbrella cell)
EMAP: 28104					└ deep cellular layer (syn: basal urothelium)
EMAP: 28803					└ intermediate cell layer
EMAP: 28808					└ basal cell layer
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					└ epithelium of bladder (syn: urothelium)
EMAP: 28610					└ epithelium of fundus
EMAP: 28616					└ epithelium of trigone
EMAP: 30084					└ epithelium of neck
EMAP: 30091					└ lamina propria of the bladder

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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:29283					└	duct of the seminal vesicle
EMAP:29287					└	rest of the 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: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					└	Müllerian tubercle

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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
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 (syn: clitoris anlage)
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)

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EMAP: 27886					└ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP: 27898					└ visceral epithelium
EMAP: 27904					└ parietal epithelium
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 (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 (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: 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

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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 (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 (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: 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
EMAP: 31024				└─┬ bend (syn: U-turn)
EMAP: 9549	G			└─┬ early nephron GROUP (syn: early tubule)
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

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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
EMAP: 27904					└	parietal epithelium
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 (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 (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	

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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

