

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)

TS23 urinary and reproductive systems (15dpc)

| | |
|------------|--|
| EMAP:25788 | mouse |
| EMAP:7428 | └ organ system |
| EMAP:7436 | └ visceral organ |
| EMAP:8217 | └ urinary system |
| EMAP:8224 | └ mesentery |
| EMAP:29613 | └ rest of mesentery |
| EMAP:8225 | └ urogenital mesentery |
| EMAP:8226 | └ metanephros (syn: kidney) |
| EMAP:8237 | └ renal capsule |
| EMAP:27724 | └ nephrogenic zone |
| EMAP:27731 | └ nephrogenic interstitium (syn: peripheral blastema) |
| EMAP:27738 | └ cap mesenchyme (syn: condensed mesenchyme) |
| EMAP:27745 | └ pretubular aggregate (syn: pretubular condensate) |
| EMAP:27752 | └ ureteric tip (syn: ureteric ampulla) |
| EMAP:31048 | └ ureteric tree terminal branch excluding tip itself |
| EMAP:8236 | └ renal cortex |
| EMAP:27831 | └ renal vesicle (syn: epithelial vesicle; stage I nephron) |
| EMAP:31695 | └ renal connecting segment of renal vesicle |
| EMAP:31726 | └ distal renal vesicle |
| EMAP:31720 | └ proximal renal vesicle |
| EMAP:27837 | └ comma-shaped body |
| EMAP:27843 | └ upper limb of comma-shaped body (syn: distal limb of comma-shaped body) |
| EMAP:27849 | └ lower limb of comma-shaped body (syn: proximal limb of comma-shaped body) |
| EMAP:31712 | └ renal connecting segment of comma-shaped body |
| EMAP:27855 | └ s-shaped body (syn: stage II nephron) |
| EMAP:27867 | └ renal connecting tubule of s-shaped body |
| EMAP:27873 | └ distal segment of s-shaped body (syn: upper limb of s-shaped body) |
| EMAP:27879 | └ medial segment of s-shaped body (syn: mid-portion of s-shaped body) |
| EMAP:27885 | └ proximal segment of s-shaped body (syn: lower limb of s-shaped body) |
| EMAP:27897 | └ visceral epithelium |
| EMAP:27903 | └ parietal epithelium |
| EMAP:27909 | └ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron) |
| EMAP:27927 | └ associated interstitium of renal corpuscle |
| EMAP:27921 | └ parietal epithelium |
| EMAP:27939 | └ presumptive endothelium of renal corpuscle |
| EMAP:27933 | └ presumptive mesangium |
| EMAP:27915 | └ visceral epithelium (syn: podocyte layer) |
| EMAP:27945 | └ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron) |
| EMAP:27951 | └ maturing glomerular tuft (syn: maturing glomerulus) |
| EMAP:27957 | └ glomerular capillary system of maturing glomerular tuft |
| EMAP:27963 | └ glomerular mesangium |
| EMAP:27969 | └ visceral epithelium (syn: podocyte layer) |
| EMAP:30967 | └ glomerular basement membrane |
| EMAP:27975 | └ Bowman's capsule (syn: glomerular capsule) |
| EMAP:27981 | └ parietal epithelium |
| EMAP:27987 | └ urinary space of renal corpuscle (syn: Bowman's space) |
| EMAP:30033 | └ glomerular mesangium of Bowman's capsule |
| EMAP:27993 | └ juxtaglomerular arteriole |
| EMAP:27999 | └ cortical renal tubule |
| EMAP:28005 | └ early proximal tubule |
| EMAP:31709 | └ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP:31703 | └ early proximal tubule of maturing nephron |
| EMAP:31283 | └ anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP:28009 | └ early distal tubule |
| EMAP:31611 | └ early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP:31617 | └ early distal tubule of maturing nephron |

Anatomy Database Version 6, 2009-08-09

| | | | | | |
|------------|--|--|--|--|--|
| EMAP:28013 | | | | | └ renal connecting tubule |
| EMAP:31623 | | | | | └ renal connecting tubule of capillary loop nephron |
| EMAP:31629 | | | | | └ renal connecting tubule of maturing nephron |
| EMAP:28132 | | | | | └ cortical collecting duct |
| EMAP:28138 | | | | | └ renal cortical interstitium (syn: cortical stroma) |
| EMAP:31290 | | | | | └ renal cortical fibroblasts |
| EMAP:31298 | | | | | └ resident macrophages of the cortex (syn: renal monocytes of the cortex) |
| EMAP:31306 | | | | | └ rest of renal cortical interstitium |
| EMAP:28143 | | | | | └ renal cortical vasculature |
| EMAP:28148 | | | | | └ renal cortical arterial system |
| EMAP:28153 | | | | | └ renal cortical venous system |
| EMAP:30038 | | | | | └ renal cortical capillary |
| EMAP:31313 | | | | | └ renal cortical lymphatics |
| EMAP:31320 | | | | | └ renal cortical nerves |
| EMAP:28043 | | | | | └ renal medulla |
| EMAP:30864 | | | | | └ immature loop of Henle (syn: anlagen of loop of Henle) |
| EMAP:31019 | | | | | └ straight limb |
| EMAP:31023 | | | | | └ bend (syn: U-turn) |
| EMAP:28063 | | | | | └ medullary collecting duct |
| EMAP:8241 | | | | | └ renal medullary interstitium (syn: medullary stroma) |
| EMAP:31327 | | | | | └ renal medullary fibroblasts |
| EMAP:31334 | | | | | └ resident macrophages of the medulla (syn: renal monocytes of the medulla) |
| EMAP:31341 | | | | | └ rest of renal medullary interstitium |
| EMAP:28158 | | | | | └ renal medullary vasculature |
| EMAP:28163 | | | | | └ renal medullary arterial system |
| EMAP:28168 | | | | | └ renal medullary venous system |
| EMAP:30044 | | | | | └ renal medullary capillary (syn: vasa recta) |
| EMAP:31348 | | | | | └ renal medullary lymphatics |
| EMAP:31355 | | | | | └ renal medullary nerves |
| EMAP:8229 | | | | | └ calyx |
| EMAP:8232 | | | | | └ pelvis |
| EMAP:28079 | | | | | └ pelvic urothelial lining (syn: pelvic urothelium) |
| EMAP:28121 | | | | | └ pelvic smooth muscle |
| EMAP:28085 | | | | | └ perihilar interstitium |
| EMAP:28381 | | | | | └ renal artery |
| EMAP:29977 | | | | | └ endothelial layer of renal artery |
| EMAP:29998 | | | | | └ endothelium of renal artery |
| EMAP:30006 | | | | | └ smooth muscle layer of renal artery |
| EMAP:28385 | | | | | └ renal vein |
| EMAP:29965 | | | | | └ endothelial layer of renal vein |
| EMAP:30014 | | | | | └ endothelium of renal vein |
| EMAP:30022 | | | | | └ smooth muscle layer of renal vein |
| EMAP:8234 | | | | | └ ureter |
| EMAP:28091 | | | | | └ urothelium (syn: transitional epithelium) |
| EMAP:28591 | | | | | └ superficial cellular layer (syn: umbrella cell) |
| EMAP:28103 | | | | | └ deep cellular layer (syn: basal urothelium) |
| EMAP:28802 | | | | | └ intermediate cell layer |
| EMAP:28807 | | | | | └ basal cell layer |
| EMAP:28559 | | | | | └ ureteral mesenchyme |
| EMAP:28565 | | | | | └ subepithelial layer (syn: presumptive lamina propria) |
| EMAP:28812 | | | | | └ ureteral smooth muscle layer (syn: presumptive ureteral smooth muscle layer) |
| EMAP:28815 | | | | | └ smooth muscle component |
| EMAP:30151 | | | | | └ interstitium (syn: Cajal cell) |
| EMAP:28573 | | | | | └ outer layer (syn: presumptive adventitia) |
| EMAP:30854 | | | | | └ ureteral vasculature |
| EMAP:8219 | | | | | └ bladder |
| EMAP:28603 | | | | | └ epithelium of bladder (syn: urothelium) |
| EMAP:28609 | | | | | └ epithelium of fundus |
| EMAP:28615 | | | | | └ epithelium of trigone |
| EMAP:30083 | | | | | └ epithelium of neck |
| EMAP:30090 | | | | | └ lamina propria of the bladder |
| EMAP:30104 | | | | | └ lamina propria of fundus |
| EMAP:30111 | | | | | └ lamina propria of trigone |
| EMAP:30118 | | | | | └ lamina propria of neck |

Anatomy Database Version 6, 2009-08-09

| | | | | | |
|--|--|--|--|--|--|
| EMAP: 28621 | | | | | muscularis mucosa of bladder |
| EMAP: 28627 | | | | | muscularis mucosa of fundus |
| EMAP: 28633 | | | | | muscularis mucosa of trigone |
| EMAP: 30139 | | | | | └ muscularis mucosa of neck |
| EMAP: 28639 | | | | | └ detrusor muscle of bladder |
| EMAP: 28645 | | | | | └ detrusor muscle of fundus |
| EMAP: 28651 | | | | | └ detrusor muscle of trigone |
| EMAP: 30125 | | | | | └ detrusor muscle of neck |
| EMAP: 28663 | | | | | └ serosa of bladder |
| EMAP: 28669 | | | | | └ serosa of fundus |
| EMAP: 28675 | | | | | └ serosa of trigone |
| EMAP: 30132 | | | | | └ serosa of neck |
| EMAP: 28827 | | | | | └ adventitia of bladder |
| EMAP: 28832 | | | | | └ adventitia of fundus |
| EMAP: 28837 | | | | | └ adventitia of trigone |
| EMAP: 30145 | | | | | └ adventitia of neck |
| EMAP: 28681 | | | | | └ blood vessels of bladder |
| EMAP: 31655 | | | | | └ nerve of bladder |
| EMAP: 8223 | | | | | └ urachus |
| EMAP: 28749 | | | | | └ urethra of female |
| EMAP: 28755 | | | | | └ pelvic urethra of female |
| EMAP: 28761 | | | | | └ epithelial layer of pelvic urethra of female |
| EMAP: 28767 | | | | | └ mesenchymal layer of pelvic urethra of female |
| EMAP: 31748 | | | | | └ mesenchymal layer of dorsal pelvic urethra of female |
| EMAP: 31745 | | | | | └ mesenchymal layer of ventral pelvic urethra of female |
| EMAP: 28773 | | | | | └ muscle layer of pelvic urethra of female |
| EMAP: 31762 | | | | | └ muscle layer of dorsal pelvic urethra of female |
| EMAP: 31759 | | | | | └ muscle layer of ventral pelvic urethra of female |
| EMAP: 31795 | | | | | └ nerve of pelvic urethra of female |
| EMAP: 30918 | | | | | └ phallic urethra of female (syn: external urethra of female) |
| EMAP: 30925 | | | | | └ urethral plate of female |
| EMAP: 30928 | | | | | └ urethral fold of female |
| EMAP: 31736 | | | | | └ nerve of phallic urethra of female |
| EMAP: 8274 | | | | | └ urethra of male |
| EMAP: 28693 | | | | | └ pelvic urethra of male |
| EMAP: 28699 | | | | | └ epithelial layer of pelvic urethra of male |
| EMAP: 28705 | | | | | └ mesenchymal layer of pelvic urethra of male |
| EMAP: 31742 | | | | | └ mesenchymal layer of dorsal pelvic urethra of male |
| EMAP: 31733 | | | | | └ mesenchymal layer of ventral pelvic urethra of male |
| EMAP: 28711 | | | | | └ muscle layer of pelvic urethra of male |
| EMAP: 31754 | | | | | └ muscle layer of dorsal pelvic urethra of male |
| EMAP: 31751 | | | | | └ muscle layer of ventral pelvic urethra of male |
| EMAP: 31785 | | | | | └ nerve of pelvic urethra of male |
| EMAP: 28717 | | | | | └ phallic urethra of male (syn: external urethra of male) |
| EMAP: 8275 | | | | | └ urethral fold of male |
| EMAP: 28723 | | | | | └ urethral plate of male |
| EMAP: 31801 | | | | | └ nerve of phallic urethra of male |
| EMAP: 8243 | | | | | └ urorectal septum |
| EMAP: 31644 | | | | | └ pelvic ganglion |
| EMAP: 8244 | | | | | └ reproductive system |
| EMAP: 8257 | | | | | └ male reproductive system |
| EMAP: 29142 | | | | | └ mesonephros of male |
| EMAP: 29157 | | | | | └ nephric duct of male, mesonephric portion (syn: mesonephric duct of male; |
| mesonephric portion; Wolffian duct of male, mesonephric portion) | | | | | |
| EMAP: 29147 | | | | | └ mesonephric mesenchyme of male |
| EMAP: 30557 | | | | | └ cranial mesonephric tubule of male |
| EMAP: 30561 | | | | | └ mesonephric glomerulus of male |
| EMAP: 30559 | | | | | └ rest of cranial mesonephric tubule |
| EMAP: 29164 | | | | | └ degenerating mesonephric portion of male paramesonephric duct (syn: Müllerian |
| duct; Müllerian duct) | | | | | |
| EMAP: 30464 | | | | | └ coelomic epithelium of male mesonephros |
| EMAP: 31687 | | | | | └ developing vasculature of male mesonephros |
| EMAP: 29198 | | | | | └ degenerating rest of paramesonephric duct of male (syn: degenerating Müllerian duct; |
| degenerating Müllerian duct) | | | | | |
| EMAP: 29201 | | | | | └ epithelium of degenerating rest of paramesonephric duct of male |

Anatomy Database Version 6, 2009-08-09

| | | | | | |
|-------------|--|--|--|--|---|
| EMAP: 29204 | | | | | └ mesenchyme of degenerating rest of paramesonephric duct of male |
| EMAP: 29176 | | | | | └ nephric duct of male, rest of (syn: mesonephric duct; rest of) |
| EMAP: 29184 | | | | | └ epithelium of rest of nephric duct of male |
| EMAP: 29180 | | | | | └ mesenchyme of rest of nephric duct of male |
| EMAP: 8262 | | | | | └ testis |
| EMAP: 30520 | | | | | └ coelomic epithelium of testis |
| EMAP: 29192 | | | | | └ rete testis |
| EMAP: 8267 | | | | | └ interstitium of the testis (syn: interstitial tissue) |
| EMAP: 29086 | | | | | └ fetal Leydig cell |
| EMAP: 29094 | | | | | └ rest of interstitium of the testis (syn: non-specific mesenchyme) |
| EMAP: 8265 | | | | | └ seminiferous cord (syn: seminiferous tubule) |
| EMAP: 29240 | | | | | └ Sertoli cell |
| EMAP: 8266 | | | | | └ germ cell of testis |
| EMAP: 29245 | | | | | └ peritubular myoid cell |
| EMAP: 8271 | | | | | └ mediastinum testis |
| EMAP: 29118 | | | | | └ developing vasculature of the testis |
| EMAP: 29126 | | | | | └ coelomic vessel |
| EMAP: 29134 | | | | | └ interstitial vessel |
| EMAP: 30069 | | | | | └ cranial suspensory ligament |
| EMAP: 30744 | | | | | └ epididymis |
| EMAP: 30748 | | | | | └ muscle layer of epididymis |
| EMAP: 30750 | | | | | └ outer layer of epididymis |
| EMAP: 31183 | | | | | └ developing vasculature of epididymis |
| EMAP: 30746 | | | | | └ surface epithelium of epididymis |
| EMAP: 8258 | | | | | └ ductus deferens (syn: vas deferens) |
| EMAP: 31189 | | | | | └ developing vasculature of ductus deferens |
| EMAP: 12731 | | | | | └ gubernaculum (syn: caudal suspensory ligament) |
| EMAP: 8260 | | | | | └ mesorchium |
| EMAP: 8259 | | | | | └ genital tubercle of male (syn: penis anlage) |
| EMAP: 31845 | | | | | └ urethral epithelium of male (syn: urethral plate; urethral seam) |
| EMAP: 31601 | | | | | └ distal urethral epithelium of male |
| EMAP: 31604 | | | | | └ proximal urethral epithelium of male |
| EMAP: 31596 | | | | | └ urethral opening of male |
| EMAP: 8261 | | | | | └ glans of male genital tubercle (syn: distal genital tubercle of male; penis; penis anlage) |
| EMAP: 29257 | | | | | └ surface epithelium of glans of male genital tubercle |
| EMAP: 29255 | | | | | └ mesenchyme of glans of male genital tubercle |
| EMAP: 29222 | | | | | └ preputial swelling of male (syn: prepuce of male) |
| EMAP: 29225 | | | | | └ surface epithelium of male preputial swelling |
| EMAP: 30504 | | | | | └ preputial gland of male |
| EMAP: 29228 | | | | | └ mesenchyme of male preputial swelling |
| EMAP: 31609 | | | | | └ developing vasculature of male genital tubercle |
| EMAP: 30511 | | | | | └ labioscrotal swelling of male |
| EMAP: 30517 | | | | | └ surface epithelium of labioscrotal swelling of male |
| EMAP: 30514 | | | | | └ mesenchyme of labioscrotal swelling of male |
| EMAP: 8245 | | | | | └ female reproductive system |
| EMAP: 28913 | | | | | └ mesonephros of female |
| EMAP: 28918 | | | | | └ mesonephric mesenchyme of female mesonephros |
| EMAP: 28980 | | | | | └ degenerating mesonephric tubule of female |
| EMAP: 28983 | | | | | └ degenerating mesonephric portion of nephric duct of female |
| EMAP: 28977 | | | | | └ paramesonephric duct of female, mesonephric portion (syn: Müllerian duct of female; Müllerian duct of female) |
| EMAP: 30071 | | | | | └ epithelium of paramesonephric duct, mesonephric portion |
| EMAP: 30073 | | | | | └ mesenchyme of paramesonephric duct, mesonephric portion |
| EMAP: 28933 | | | | | └ rete ovarii of mesonephros |
| EMAP: 30519 | | | | | └ coelomic epithelium of female mesonephros |
| EMAP: 31691 | | | | | └ developing vasculature of female mesonephros |
| EMAP: 28944 | | | | | └ paramesonephric duct of female, rest of (syn: Müllerian duct of female; Müllerian duct of female; rest of) |
| EMAP: 28960 | | | | | └ epithelium of rest of paramesonephric duct of female |
| EMAP: 28964 | | | | | └ mesenchyme of rest of paramesonephric duct of female |
| EMAP: 28948 | | | | | └ nephric duct of female, rest of (syn: mesonephric duct of female; rest of) |
| EMAP: 28952 | | | | | └ epithelium of rest of nephric duct of female |
| EMAP: 28956 | | | | | └ mesenchyme of rest of nephric duct of female |
| EMAP: 8251 | | | | | └ ovary |

Anatomy Database Version 6, 2009-08-09

| | | | | | | | | | | | | |
|-------------|---|--|--|--|--|--|--|--|--|--|---|--|
| EMAP: 27879 | | | | | | | | | | | └ | medial segment of s-shaped body (syn: mid-portion of s-shaped body) |
| EMAP: 27885 | | | | | | | | | | | L | proximal segment of s-shaped body (syn: lower limb of s-shaped body) |
| EMAP: 27897 | | | | | | | | | | | | visceral epithelium |
| EMAP: 27903 | | | | | | | | | | | L | parietal epithelium |
| EMAP: 28508 | G | | | | | | | | | | | developing capillary loop stage nephron GROUP (syn: stage III nephron) |
| EMAP: 27909 | | | | | | | | | | | | capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron) |
| EMAP: 27927 | | | | | | | | | | | | associated interstitium of renal corpuscle |
| EMAP: 27921 | | | | | | | | | | | | parietal epithelium |
| EMAP: 27939 | | | | | | | | | | | | presumptive endothelium of renal corpuscle |
| EMAP: 27933 | | | | | | | | | | | | presumptive mesangium |
| EMAP: 27915 | | | | | | | | | | | L | visceral epithelium (syn: podocyte layer) |
| EMAP: 27999 | | | | | | | | | | | L | cortical renal tubule |
| EMAP: 28005 | | | | | | | | | | | | early proximal tubule |
| EMAP: 31709 | | | | | | | | | | | | early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31703 | | | | | | | | | | | L | early proximal tubule of maturing nephron |
| EMAP: 31283 | | | | | | | | | | | | anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 28009 | | | | | | | | | | | | early distal tubule |
| EMAP: 31611 | | | | | | | | | | | | early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31617 | | | | | | | | | | | L | early distal tubule of maturing nephron |
| EMAP: 28013 | | | | | | | | | | | | renal connecting tubule |
| EMAP: 31623 | | | | | | | | | | | | renal connecting tubule of capillary loop nephron |
| EMAP: 31629 | | | | | | | | | | | L | renal connecting tubule of maturing nephron |
| EMAP: 31820 | | | | | | | | | | | | cortical renal tubule of capillary loop nephron GROUP |
| EMAP: 31283 | | | | | | | | | | | | anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 31611 | | | | | | | | | | | | early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31709 | | | | | | | | | | | | early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31623 | | | | | | | | | | | L | renal connecting tubule of capillary loop nephron |
| EMAP: 31814 | | | | | | | | | | | L | cortical renal tubule of maturing nephron GROUP |
| EMAP: 31617 | | | | | | | | | | | | early distal tubule of maturing nephron |
| EMAP: 31703 | | | | | | | | | | | | early proximal tubule of maturing nephron |
| EMAP: 31629 | | | | | | | | | | | L | renal connecting tubule of maturing nephron |
| EMAP: 28487 | G | | | | | | | | | | | maturing nephron (syn: stage IV nephron) |
| EMAP: 27945 | | | | | | | | | | | | maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron) |
| EMAP: 27951 | | | | | | | | | | | | maturing glomerular tuft (syn: maturing glomerulus) |
| EMAP: 27957 | | | | | | | | | | | | glomerular capillary system of maturing glomerular tuft |
| EMAP: 27963 | | | | | | | | | | | | glomerular mesangium |
| EMAP: 27969 | | | | | | | | | | | | visceral epithelium (syn: podocyte layer) |
| EMAP: 30967 | | | | | | | | | | | L | glomerular basement membrane |
| EMAP: 27975 | | | | | | | | | | | | Bowman's capsule (syn: glomerular capsule) |
| EMAP: 27981 | | | | | | | | | | | | parietal epithelium |
| EMAP: 27987 | | | | | | | | | | | | urinary space of renal corpuscle (syn: Bowman's space) |
| EMAP: 30033 | | | | | | | | | | | L | glomerular mesangium of Bowman's capsule |
| EMAP: 27993 | | | | | | | | | | | L | juxtaglomerular arteriole |
| EMAP: 27999 | | | | | | | | | | | L | cortical renal tubule |
| EMAP: 28005 | | | | | | | | | | | | early proximal tubule |
| EMAP: 31709 | | | | | | | | | | | | early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31703 | | | | | | | | | | | L | early proximal tubule of maturing nephron |
| EMAP: 31283 | | | | | | | | | | | | anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 28009 | | | | | | | | | | | | early distal tubule |
| EMAP: 31611 | | | | | | | | | | | | early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31617 | | | | | | | | | | | L | early distal tubule of maturing nephron |
| EMAP: 28013 | | | | | | | | | | | | renal connecting tubule |
| EMAP: 31623 | | | | | | | | | | | | renal connecting tubule of capillary loop nephron |
| EMAP: 31629 | | | | | | | | | | | L | renal connecting tubule of maturing nephron |
| EMAP: 31820 | | | | | | | | | | | | cortical renal tubule of capillary loop nephron GROUP |
| EMAP: 31283 | | | | | | | | | | | | anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 31611 | | | | | | | | | | | | early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31709 | | | | | | | | | | | | early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31623 | | | | | | | | | | | L | renal connecting tubule of capillary loop nephron |
| EMAP: 31814 | | | | | | | | | | | L | cortical renal tubule of maturing nephron GROUP |
| EMAP: 31617 | | | | | | | | | | | | early distal tubule of maturing nephron |

Anatomy Database Version 6, 2009-08-09

| | | | | | |
|----------------|--|--|--|--|--|
| EMAP: 31703 | | | | | └ early proximal tubule of maturing nephron |
| EMAP: 31629 | | | | | └ renal connecting tubule of maturing nephron |
| EMAP: 28529 G | | | | | └ late tubule |
| EMAP: 27909 | | | | | └ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron) |
| EMAP: 27927 | | | | | └ associated interstitium of renal corpuscle |
| EMAP: 27921 | | | | | └ parietal epithelium |
| EMAP: 27939 | | | | | └ presumptive endothelium of renal corpuscle |
| EMAP: 27933 | | | | | └ presumptive mesangium |
| EMAP: 27915 | | | | | └ visceral epithelium (syn: podocyte layer) |
| EMAP: 27945 | | | | | └ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron) |
| EMAP: 27951 | | | | | └ maturing glomerular tuft (syn: maturing glomerulus) |
| EMAP: 27957 | | | | | └ glomerular capillary system of maturing glomerular tuft |
| EMAP: 27963 | | | | | └ glomerular mesangium |
| EMAP: 27969 | | | | | └ visceral epithelium (syn: podocyte layer) |
| EMAP: 30967 | | | | | └ glomerular basement membrane |
| EMAP: 27975 | | | | | └ Bowman's capsule (syn: glomerular capsule) |
| EMAP: 27981 | | | | | └ parietal epithelium |
| EMAP: 27987 | | | | | └ urinary space of renal corpuscle (syn: Bowman's space) |
| EMAP: 30033 | | | | | └ glomerular mesangium of Bowman's capsule |
| EMAP: 27993 | | | | | └ juxtaglomerular arteriole |
| EMAP: 27999 | | | | | └ cortical renal tubule |
| EMAP: 28005 | | | | | └ early proximal tubule |
| EMAP: 31709 | | | | | └ early proximal tubule of capillary loop nephron (syn: anlage of proximal |
| tubule) | | | | | |
| EMAP: 31703 | | | | | └ early proximal tubule of maturing nephron |
| EMAP: 31283 | | | | | └ anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 28009 | | | | | └ early distal tubule |
| EMAP: 31611 | | | | | └ early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31617 | | | | | └ early distal tubule of maturing nephron |
| EMAP: 28013 | | | | | └ renal connecting tubule |
| EMAP: 31623 | | | | | └ renal connecting tubule of capillary loop nephron |
| EMAP: 31629 | | | | | └ renal connecting tubule of maturing nephron |
| EMAP: 31820 | | | | | └ cortical renal tubule of capillary loop nephron GROUP |
| EMAP: 31283 | | | | | └ anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 31611 | | | | | └ early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31709 | | | | | └ early proximal tubule of capillary loop nephron (syn: anlage of proximal |
| tubule) | | | | | |
| EMAP: 31623 | | | | | └ renal connecting tubule of capillary loop nephron |
| EMAP: 31814 | | | | | └ cortical renal tubule of maturing nephron GROUP |
| EMAP: 31617 | | | | | └ early distal tubule of maturing nephron |
| EMAP: 31703 | | | | | └ early proximal tubule of maturing nephron |
| EMAP: 31629 | | | | | └ renal connecting tubule of maturing nephron |
| EMAP: 28043 | | | | | └ renal medulla |
| EMAP: 30864 | | | | | └ immature loop of Henle (syn: anlagen of loop of Henle) |
| EMAP: 31416 G | | | | | └ medullary renal tubule |
| EMAP: 31019 | | | | | └ straight limb |
| EMAP: 31023 | | | | | └ bend (syn: U-turn) |
| EMAP: 8239 G | | | | | └ early nephron GROUP (syn: early tubule) |
| EMAP: 27999 | | | | | └ cortical renal tubule |
| EMAP: 28005 | | | | | └ early proximal tubule |
| EMAP: 31709 | | | | | └ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31703 | | | | | └ early proximal tubule of maturing nephron |
| EMAP: 31283 | | | | | └ anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 28009 | | | | | └ early distal tubule |
| EMAP: 31611 | | | | | └ early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31617 | | | | | └ early distal tubule of maturing nephron |
| EMAP: 28013 | | | | | └ renal connecting tubule |
| EMAP: 31623 | | | | | └ renal connecting tubule of capillary loop nephron |
| EMAP: 31629 | | | | | └ renal connecting tubule of maturing nephron |
| EMAP: 31820 | | | | | └ cortical renal tubule of capillary loop nephron GROUP |
| EMAP: 31283 | | | | | └ anlage of loop of Henle (syn: primitive loop of Henle) |
| EMAP: 31611 | | | | | └ early distal tubule of capillary loop nephron (syn: anlage of distal tubule) |
| EMAP: 31709 | | | | | └ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule) |
| EMAP: 31623 | | | | | └ renal connecting tubule of capillary loop nephron |

Anatomy Database Version 6, 2009-08-09

| | | | | | | |
|---------------|--|--|--|--|---|--|
| EMAP: 31814 | | | | | └ | cortical renal tubule of maturing nephron GROUP |
| EMAP: 31617 | | | | | └ | early distal tubule of maturing nephron |
| EMAP: 31703 | | | | | └ | early proximal tubule of maturing nephron |
| EMAP: 31629 | | | | | └ | renal connecting tubule of maturing nephron |
| EMAP: 27831 | | | | | └ | renal vesicle (syn: epithelial vesicle; stage I nephron) |
| EMAP: 31695 | | | | | └ | renal connecting segment of renal vesicle |
| EMAP: 31726 | | | | | └ | distal renal vesicle |
| EMAP: 31720 | | | | | └ | proximal renal vesicle |
| EMAP: 27837 | | | | | └ | comma-shaped body |
| EMAP: 27843 | | | | | └ | upper limb of comma-shaped body (syn: distal limb of comma-shaped body) |
| EMAP: 27849 | | | | | └ | lower limb of comma-shaped body (syn: proximal limb of comma-shaped body) |
| EMAP: 31712 | | | | | └ | renal connecting segment of comma-shaped body |
| EMAP: 27855 | | | | | └ | s-shaped body (syn: stage II nephron) |
| EMAP: 27867 | | | | | └ | renal connecting tubule of s-shaped body |
| EMAP: 27873 | | | | | └ | distal segment of s-shaped body (syn: upper limb of s-shaped body) |
| EMAP: 27879 | | | | | └ | medial segment of s-shaped body (syn: mid-portion of s-shaped body) |
| EMAP: 27885 | | | | | └ | proximal segment of s-shaped body (syn: lower limb of s-shaped body) |
| EMAP: 27897 | | | | | └ | visceral epithelium |
| EMAP: 27903 | | | | | └ | parietal epithelium |
| EMAP: 27909 | | | | | └ | capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron) |
| EMAP: 27927 | | | | | └ | associated interstitium of renal corpuscle |
| EMAP: 27921 | | | | | └ | parietal epithelium |
| EMAP: 27939 | | | | | └ | presumptive endothelium of renal corpuscle |
| EMAP: 27933 | | | | | └ | presumptive mesangium |
| EMAP: 27915 | | | | | └ | visceral epithelium (syn: podocyte layer) |
| EMAP: 27945 | | | | | └ | maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron) |
| EMAP: 27951 | | | | | └ | maturing glomerular tuft (syn: maturing glomerulus) |
| EMAP: 27957 | | | | | └ | glomerular capillary system of maturing glomerular tuft |
| EMAP: 27963 | | | | | └ | glomerular mesangium |
| EMAP: 27969 | | | | | └ | visceral epithelium (syn: podocyte layer) |
| EMAP: 30967 | | | | | └ | glomerular basement membrane |
| EMAP: 27975 | | | | | └ | Bowman's capsule (syn: glomerular capsule) |
| EMAP: 27981 | | | | | └ | parietal epithelium |
| EMAP: 27987 | | | | | └ | urinary space of renal corpuscle (syn: Bowman's space) |
| EMAP: 30033 | | | | | └ | glomerular mesangium of Bowman's capsule |
| EMAP: 27993 | | | | | └ | juxtaglomerular arteriole |
| EMAP: 8233 G | | | | | └ | collecting duct (syn: ureteric tree) |
| EMAP: 27752 | | | | | └ | ureteric tip (syn: ureteric ampulla) |
| EMAP: 31048 | | | | | └ | ureteric tree terminal branch excluding tip itself |
| EMAP: 28496 | | | | | └ | ureteric trunk |
| EMAP: 28132 | | | | | └ | cortical collecting duct |
| EMAP: 28063 | | | | | └ | medullary collecting duct |
| EMAP: 28496 G | | | | | └ | ureteric trunk |
| EMAP: 28132 | | | | | └ | cortical collecting duct |
| EMAP: 28063 | | | | | └ | medullary collecting duct |
| EMAP: 28520 G | | | | | └ | renal interstitium group |
| EMAP: 27731 | | | | | └ | nephrogenic interstitium (syn: peripheral blastema) |
| EMAP: 27927 | | | | | └ | associated interstitium of renal corpuscle |
| EMAP: 27933 | | | | | └ | presumptive mesangium |
| EMAP: 27963 | | | | | └ | glomerular mesangium |
| EMAP: 28138 | | | | | └ | renal cortical interstitium (syn: cortical stroma) |
| EMAP: 31290 | | | | | └ | renal cortical fibroblasts |
| EMAP: 31298 | | | | | └ | resident macrophages of the cortex (syn: renal monocytes of the cortex) |
| EMAP: 31306 | | | | | └ | rest of renal cortical interstitium |
| EMAP: 8241 | | | | | └ | renal medullary interstitium (syn: medullary stroma) |
| EMAP: 31327 | | | | | └ | renal medullary fibroblasts |
| EMAP: 31334 | | | | | └ | resident macrophages of the medulla (syn: renal monocytes of the medulla) |
| EMAP: 31341 | | | | | └ | rest of renal medullary interstitium |
| EMAP: 28085 | | | | | └ | perihilar interstitium |
| EMAP: 31470 G | | | | | └ | small blood vessels |
| EMAP: 30038 | | | | | └ | renal cortical capillary |
| EMAP: 28163 | | | | | └ | renal medullary arterial system |
| EMAP: 27957 | | | | | └ | glomerular capillary system of maturing glomerular tuft |
| EMAP: 30044 | | | | | └ | renal medullary capillary (syn: vasa recta) |

Anatomy Database Version 6, 2009-08-09

| | | | | | |
|------------|---|--|--|--|---------------------------------|
| EMAP:28168 | | | | | └ renal medullary venous system |
| EMAP:31444 | G | | | └ renal capillaries | |
| EMAP:30038 | | | | └ renal cortical capillary | |
| EMAP:30044 | | | | └ renal medullary capillary (syn: vasa recta) | |
| EMAP:31771 | G | | | └ developing vasculature of urinary system GROUP | |
| EMAP:28460 | | | | └ renal vasculature | |
| EMAP:27957 | | | | └ glomerular capillary system of maturing glomerular tuft | |
| EMAP:27993 | | | | └ juxtaglomerular arteriole | |
| EMAP:27939 | | | | └ presumptive endothelium of renal corpuscle | |
| EMAP:28381 | | | | └ renal artery | |
| EMAP:29977 | | | | └ endothelial layer of renal artery | |
| EMAP:29998 | | | | └ endothelium of renal artery | |
| EMAP:30006 | | | | └ smooth muscle layer of renal artery | |
| EMAP:28385 | | | | └ renal vein | |
| EMAP:29965 | | | | └ endothelial layer of renal vein | |
| EMAP:30014 | | | | └ endothelium of renal vein | |
| EMAP:30022 | | | | └ smooth muscle layer of renal vein | |
| EMAP:30044 | | | | └ renal medullary capillary (syn: vasa recta) | |
| EMAP:30854 | | | | └ ureteral vasculature | |
| EMAP:28460 | G | | | └ renal vasculature | |
| EMAP:27957 | | | | └ glomerular capillary system of maturing glomerular tuft | |
| EMAP:27993 | | | | └ juxtaglomerular arteriole | |
| EMAP:27939 | | | | └ presumptive endothelium of renal corpuscle | |
| EMAP:28381 | | | | └ renal artery | |
| EMAP:29977 | | | | └ endothelial layer of renal artery | |
| EMAP:29998 | | | | └ endothelium of renal artery | |
| EMAP:30006 | | | | └ smooth muscle layer of renal artery | |
| EMAP:28385 | | | | └ renal vein | |
| EMAP:29965 | | | | └ endothelial layer of renal vein | |
| EMAP:30014 | | | | └ endothelium of renal vein | |
| EMAP:30022 | | | | └ smooth muscle layer of renal vein | |
| EMAP:30044 | | | | └ renal medullary capillary (syn: vasa recta) | |
| EMAP:31437 | G | | | └ renal arterial system | |
| EMAP:28381 | | | | └ renal artery | |
| EMAP:29977 | | | | └ endothelial layer of renal artery | |
| EMAP:29998 | | | | └ endothelium of renal artery | |
| EMAP:30006 | | | | └ smooth muscle layer of renal artery | |
| EMAP:28163 | | | | └ renal medullary arterial system | |
| EMAP:31451 | G | | | └ renal venous system | |
| EMAP:28385 | | | | └ renal vein | |
| EMAP:29965 | | | | └ endothelial layer of renal vein | |
| EMAP:30014 | | | | └ endothelium of renal vein | |
| EMAP:30022 | | | | └ smooth muscle layer of renal vein | |
| EMAP:28168 | | | | └ renal medullary venous system | |
| EMAP:31807 | G | | | └ nerves of urethra GROUP | |
| EMAP:31795 | | | | └ nerve of pelvic urethra of female | |
| EMAP:31785 | | | | └ nerve of pelvic urethra of male | |
| EMAP:31736 | | | | └ nerve of phallic urethra of female | |
| EMAP:31801 | | | | └ nerve of phallic urethra of male | |
| EMAP:8244 | | | | └ reproductive system | |
| EMAP:8257 | | | | └ male reproductive system | |
| EMAP:30744 | | | | └ epididymis | |
| EMAP:30978 | G | | | └ male external genitalia | |
| EMAP:8259 | | | | └ genital tubercle of male (syn: penis anlage) | |
| EMAP:31845 | | | | └ urethral epithelium of male (syn: urethral plate; urethral seam) | |
| EMAP:31601 | | | | └ distal urethral epithelium of male | |
| EMAP:31604 | | | | └ proximal urethral epithelium of male | |
| EMAP:31596 | | | | └ urethral opening of male | |
| EMAP:8261 | | | | └ glans of male genital tubercle (syn: distal genital tubercle of male; penis; penis anlage) | |
| EMAP:29257 | | | | └ surface epithelium of glans of male genital tubercle | |
| EMAP:29255 | | | | └ mesenchyme of glans of male genital tubercle | |
| EMAP:29222 | | | | └ preputial swelling of male (syn: prepuce of male) | |
| EMAP:29225 | | | | └ surface epithelium of male preputial swelling | |

Anatomy Database Version 6, 2009-08-09

| | | | |
|------------|--|--|--|
| EMAP:31687 | | | developing vasculature of male mesonephros |
| EMAP:28892 | | | developing vasculature of ovary |
| EMAP:29118 | | | developing vasculature of the testis |
| EMAP:29126 | | | └ coelomic vessel |
| EMAP:29134 | | | └ interstitial vessel |