

## 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)

**TS22 urinary and reproductive systems (14dpc)**

EMAP:25787	mouse
EMAP:5720	organ system
EMAP:5721	visceral organ
EMAP:6667	urinary system
EMAP:6672	mesentery
EMAP:29612	rest of mesentery
EMAP:6673	urogenital mesentery
EMAP:6674	metanephros (syn: kidney)
EMAP:27716	renal capsule
EMAP:27723	nephrogenic zone
EMAP:27730	nephrogenic interstitium (syn: peripheral blastema)
EMAP:27737	cap mesenchyme (syn: condensed mesenchyme)
EMAP:27744	pretubular aggregate (syn: pretubular condensate)
EMAP:27751	ureteric tip (syn: ureteric ampulla)
EMAP:31047	ureteric tree terminal branch excluding tip itself
EMAP:6681	renal cortex
EMAP:27830	renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31694	renal connecting segment of renal vesicle
EMAP:31725	distal renal vesicle
EMAP:31719	proximal renal vesicle
EMAP:27836	comma-shaped body
EMAP:27842	upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27848	lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31711	renal connecting segment of comma-shaped body
EMAP:27854	s-shaped body (syn: stage II nephron)
EMAP:27866	renal connecting tubule of s-shaped body
EMAP:27872	distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27878	medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27884	proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27896	visceral epithelium
EMAP:27902	parietal epithelium
EMAP:27908	capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27926	associated interstitium of renal corpuscle
EMAP:27920	parietal epithelium
EMAP:27938	presumptive endothelium of renal corpuscle
EMAP:27932	presumptive mesangium
EMAP:27914	visceral epithelium (syn: podocyte layer)
EMAP:27944	maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27950	maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27956	glomerular capillary system of maturing glomerular tuft
EMAP:27962	glomerular mesangium
EMAP:27968	visceral epithelium (syn: podocyte layer)
EMAP:30966	glomerular basement membrane
EMAP:27974	Bowman's capsule (syn: glomerular capsule)
EMAP:27980	parietal epithelium
EMAP:27986	urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30032	glomerular mesangium of Bowman's capsule
EMAP:27992	juxtaglomerular arteriole
EMAP:27998	cortical renal tubule
EMAP:28004	early proximal tubule
EMAP:31708	early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31702	early proximal tubule of maturing nephron
EMAP:31282	anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28008	early distal tubule
EMAP:31610	early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31616	early distal tubule of maturing nephron

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EMAP:28012			└ renal connecting tubule
EMAP:31622			└ renal connecting tubule of capillary loop nephron
EMAP:31628			└ renal connecting tubule of maturing nephron
EMAP:28131			└ cortical collecting duct
EMAP:28137			└ renal cortical interstitium (syn: cortical stroma)
EMAP:31289			└ renal cortical fibroblasts
EMAP:31297			└ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31305			└ rest of renal cortical interstitium
EMAP:28030			└ developing vasculature of cortex
EMAP:28036			└ arterial cortical vasculature
EMAP:28038			└ venous cortical vasculature
EMAP:28040			└ cortical capillary
EMAP:28042			└ renal medulla
EMAP:28050			└ immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31018			└ straight limb
EMAP:31022			└ bend (syn: U-turn)
EMAP:28062			└ medullary collecting duct
EMAP:6685			└ renal medullary interstitium (syn: medullary stroma)
EMAP:31461			└ renal medullary fibroblasts
EMAP:31462			└ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31463			└ rest of renal medullary interstitium
EMAP:28070			└ developing vasculature of medulla
EMAP:28072			└ arterial medullary vasculature
EMAP:28074			└ venous medullary vasculature
EMAP:28076			└ medullary capillary
EMAP:6677			└ pelvis
EMAP:28078			└ pelvic urothelial lining (syn: pelvic urothelium)
EMAP:28084			└ perihilar interstitium
EMAP:28380			└ renal artery
EMAP:29997			└ endothelium of renal artery
EMAP:30005			└ smooth muscle layer of renal artery
EMAP:28384			└ renal vein
EMAP:30013			└ endothelium of renal vein
EMAP:30021			└ smooth muscle layer of renal vein
EMAP:6679			└ ureter
EMAP:28090			└ urothelium (syn: transitional epithelium)
EMAP:28590			└ superficial cellular layer (syn: umbrella cell)
EMAP:28102			└ deep cellular layer (syn: basal urothelium)
EMAP:28558			└ ureteral mesenchyme
EMAP:28564			└ subepithelial layer (syn: presumptive lamina propria)
EMAP:28569			└ middle layer (syn: presumptive ureteral smooth muscle layer)
EMAP:28572			└ outer layer (syn: presumptive adventitia)
EMAP:30853			└ ureteral vasculature
EMAP:6668			└ bladder
EMAP:28602			└ epithelium of bladder (syn: urothelium)
EMAP:28608			└ epithelium of fundus
EMAP:28614			└ epithelium of trigone
EMAP:30082			└ epithelium of neck
EMAP:30089			└ lamina propria of the bladder
EMAP:30103			└ lamina propria of fundus
EMAP:30110			└ lamina propria of trigone
EMAP:30117			└ lamina propria of neck
EMAP:28620			└ muscularis mucosa of bladder
EMAP:28626			└ muscularis mucosa of fundus
EMAP:28632			└ muscularis mucosa of trigone
EMAP:30138			└ muscularis mucosa of neck
EMAP:28638			└ detrusor muscle of bladder
EMAP:28644			└ detrusor muscle of fundus
EMAP:28650			└ detrusor muscle of trigone
EMAP:30124			└ detrusor muscle of neck
EMAP:28662			└ serosa of bladder
EMAP:28668			└ serosa of fundus
EMAP:28674			└ serosa of trigone
EMAP:30131			└ serosa of neck

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EMAP:28680			blood vessels of bladder
EMAP:31654			nerve of bladder
EMAP:6670			urachus
EMAP:6689			<b>urogenital sinus</b>
EMAP:30902			urethra
EMAP:30904			pelvic urethra
EMAP:30906			epithelial layer of pelvic urethra
EMAP:30908			mesenchymal layer of pelvic urethra
EMAP:31828			mesenchymal layer of dorsal pelvic urethra
EMAP:31827			mesenchymal layer of ventral pelvic urethra
EMAP:30910			muscle layer of pelvic urethra
EMAP:31830			muscle layer of dorsal pelvic urethra
EMAP:31829			muscle layer of ventral pelvic urethra
EMAP:31650			nerve of pelvic urethra
EMAP:30912			phallic urethra
EMAP:30914			urethral plate of phallic urethra
EMAP:30916			urethral fold of phallic urethra
EMAP:31651			nerve of phallic urethra
EMAP:6692			urorectal septum
EMAP:6688			urogenital membrane
EMAP:31643			pelvic ganglion
EMAP:6693			reproductive system
EMAP:6705			male reproductive system
EMAP:29141			mesonephros of male
EMAP:6707			nephric duct of male, mesonephric portion (syn: mesonephric duct of male; mesonephric portion; Wolffian duct of male, <b>mesonephric portion</b> )
EMAP:29146			mesonephric mesenchyme of male
EMAP:29151			mesonephric tubule of male
EMAP:30531			cranial mesonephric tubule of male
EMAP:30535			mesonephric glomerulus of male
EMAP:30539			rest of cranial mesonephric tubule of male
EMAP:30543			caudal mesonephric tubule of male
EMAP:29163			degenerating mesonephric portion of male paramesonephric duct (syn: Müllerian duct; Müllerian duct)
EMAP:30463			coelomic epithelium of male mesonephros
EMAP:31686			developing vasculature of male mesonephros
EMAP:29197			degenerating rest of paramesonephric duct of male (syn: degenerating Müllerian duct; degenerating Müllerian duct)
EMAP:29200			epithelium of degenerating rest of paramesonephric duct of male
EMAP:29203			mesenchyme of degenerating rest of paramesonephric duct of male
EMAP:29175			nephric duct of male, rest of (syn: mesonephric duct; rest of)
EMAP:29183			epithelium of rest of nephric duct of male
EMAP:29179			mesenchyme of rest of nephric duct of male
EMAP:6710			testis
EMAP:6711			coelomic epithelium of testis
EMAP:6715			rete testis
EMAP:29077			interstitium of the testis (syn: interstitial tissue)
EMAP:29085			fetal Leydig cell
EMAP:29093			rest of interstitium of the testis (syn: non-specific mesenchyme)
EMAP:29117			developing vasculature of the testis
EMAP:29125			coelomic vessel
EMAP:29133			interstitial vessel
EMAP:29101			primary sex cord
EMAP:29109			Sertoli cell
EMAP:6713			germ cell of the testis
EMAP:29113			peritubular myoid cell
EMAP:6708			mesorchium
EMAP:6706			genital tubercle of male (syn: penis anlage)
EMAP:31844			urethral epithelium of male (syn: urethral plate; urethral seam)
EMAP:31600			distal urethral epithelium of male
EMAP:31603			proximal urethral epithelium of male
EMAP:31595			urethral opening of male
EMAP:29206			distal genital tubercle of male (syn: glans of male)
EMAP:29210			surface epithelium of distal genital tubercle of male
EMAP:29208			mesenchyme of distal genital tubercle of male

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EMAP : 31593			proximal genital tubercle of male
EMAP : 31587			surface epithelium of proximal genital tubercle of male
EMAP : 31585			mesenchyme of proximal genital tubercle of male
EMAP : 29221			preputial swelling of male (syn: prepuce of male)
EMAP : 29224			surface epithelium of male preputial swelling
EMAP : 30503			preputial gland of male
EMAP : 29227			mesenchyme of male preputial swelling
EMAP : 31608			developing vasculature of male genital tubercle
EMAP : 30510			labioscrotal swelling of male
EMAP : 30516			surface epithelium of labioscrotal swelling of male
EMAP : 30513			mesenchyme of labioscrotal swelling of male
EMAP : 6694			female reproductive system
EMAP : 28912			mesonephros of female
EMAP : 28917			mesonephric mesenchyme of female mesonephros
EMAP : 28979			degenerating mesonephric tubule of female
EMAP : 28982			degenerating mesonephric portion of nephric duct of female
EMAP : 28976			paramesonephric duct of female, mesonephric portion (syn: Müllerian duct of female; Müllerian duct of female)
EMAP : 28932			rete ovarii of mesonephros
EMAP : 30518			coelomic epithelium of female mesonephros
EMAP : 31690			developing vasculature of female mesonephros
EMAP : 28943			paramesonephric duct of female, rest of (syn: Müllerian duct of female; Müllerian duct of female; rest of)
EMAP : 28959			epithelium of rest of paramesonephric duct of female
EMAP : 28963			mesenchyme of rest of paramesonephric duct of female
EMAP : 28947			nephric duct of female, rest of (syn: mesonephric duct of female; rest of)
EMAP : 28951			epithelium of rest of nephric duct of female
EMAP : 28955			mesenchyme of rest of nephric duct of female
EMAP : 6699			ovary
EMAP : 6700			surface epithelium of ovary (syn: coelomic epithelium)
EMAP : 6701			mesenchymal stroma of ovary
EMAP : 30065			cortical component of mesenchymal stroma
EMAP : 30064			medullary component of mesenchymal stroma
EMAP : 6702			germ cell of ovary (syn: oogonia; premeiotic germ cell)
EMAP : 28973			promeiotic germ cell (syn: oogonia)
EMAP : 28968			meiotic germ cell (syn: oocyte)
EMAP : 28891			developing vasculature of ovary
EMAP : 6703			rete ovarii of ovary
EMAP : 6698			mesovarium
EMAP : 6695			Müllerian tubercle
EMAP : 29620			genital tubercle of female (syn: clitoris anlage)
EMAP : 31846			urethral epithelium of female (syn: urethral plate; urethral seam)
EMAP : 31682			distal urethral epithelium of female
EMAP : 31668			proximal urethral epithelium of female
EMAP : 31671			urethral opening of female
EMAP : 30481			preputial swelling of female (syn: prepuce of female)
EMAP : 30497			surface epithelium of female preputial swelling
EMAP : 30500			preputial gland of female
EMAP : 30494			mesenchyme of female preputial swelling
EMAP : 30485			distal genital tubercle of female (syn: glans of female)
EMAP : 30491			surface epithelium of distal genital tubercle of female
EMAP : 30488			mesenchyme of distal genital tubercle of female
EMAP : 31598			proximal genital tubercle of female
EMAP : 31680			surface epithelium of proximal genital tubercle of female
EMAP : 31678			mesenchyme of proximal genital tubercle of female
EMAP : 31590			developing vasculature of female genital tubercle
EMAP : 30424			labioscrotal swelling of female
EMAP : 30430			surface epithelium of labioscrotal swelling of female
EMAP : 30427			mesenchyme of labioscrotal swelling of female

## TS22 Groups

'G' : Term is a group.

EMAP:25787	mouse
EMAP:5720	organ system
EMAP:5721	└ visceral organ
EMAP:6667	urinary system
EMAP:6674	└ metanephros (syn: kidney)
EMAP:6681	└ renal cortex
EMAP:27998	└ cortical renal tubule
EMAP:31819 G	└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31282	└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31610	└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31708	└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31622	└ renal connecting tubule of capillary loop nephron
EMAP:31813 G	└ cortical renal tubule of maturing nephron GROUP
EMAP:31616	└ early distal tubule of maturing nephron
EMAP:31702	└ early proximal tubule of maturing nephron
EMAP:31628	└ renal connecting tubule of maturing nephron
EMAP:28501 G	└ early tubule
EMAP:27830	└ renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31694	└ renal connecting segment of renal vesicle
EMAP:31725	└ distal renal vesicle
EMAP:31719	└ proximal renal vesicle
EMAP:27836	└ comma-shaped body
EMAP:27842	└ upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27848	└ lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31711	└ renal connecting segment of comma-shaped body
EMAP:27854	└ s-shaped body (syn: stage II nephron)
EMAP:27866	└ renal connecting tubule of s-shaped body
EMAP:27872	└ distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27878	└ medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27884	└ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27896	└ visceral epithelium
EMAP:27902	└ parietal epithelium
EMAP:28507 G	└ developing capillary loop stage nephron GROUP (syn: stage III nephron)
EMAP:27908	└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27926	└ associated interstitium of renal corpuscle
EMAP:27920	└ parietal epithelium
EMAP:27938	└ presumptive endothelium of renal corpuscle
EMAP:27932	└ presumptive mesangium
EMAP:27914	└ visceral epithelium (syn: podocyte layer)
EMAP:27998	└ cortical renal tubule
EMAP:28004	└ early proximal tubule
EMAP:31708 tubule)	└ early proximal tubule of capillary loop nephron (syn: anlage of proximal
EMAP:31702	└ early proximal tubule of maturing nephron
EMAP:31282	└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28008	└ early distal tubule
EMAP:31610	└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31616	└ early distal tubule of maturing nephron
EMAP:28012	└ renal connecting tubule
EMAP:31622	└ renal connecting tubule of capillary loop nephron
EMAP:31628	└ renal connecting tubule of maturing nephron
EMAP:31819	└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31282	└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31610	└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31708 tubule)	└ early proximal tubule of capillary loop nephron (syn: anlage of proximal
EMAP:31622	└ renal connecting tubule of capillary loop nephron
EMAP:31813	└ cortical renal tubule of maturing nephron GROUP

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EMAP:31616			early distal tubule of maturing nephron
EMAP:31702			early proximal tubule of maturing nephron
EMAP:31628			renal connecting tubule of maturing nephron
EMAP:28528 G			late tubule
EMAP:27908			capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27926			associated interstitium of renal corpuscle
EMAP:27920			parietal epithelium
EMAP:27938			presumptive endothelium of renal corpuscle
EMAP:27932			presumptive mesangium
EMAP:27914			visceral epithelium (syn: podocyte layer)
EMAP:27944			maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27950			maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27956			glomerular capillary system of maturing glomerular tuft
EMAP:27962			glomerular mesangium
EMAP:27968			visceral epithelium (syn: podocyte layer)
EMAP:30966			glomerular basement membrane
EMAP:27974			Bowman's capsule (syn: glomerular capsule)
EMAP:27980			parietal epithelium
EMAP:27986			urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30032			glomerular mesangium of Bowman's capsule
EMAP:27992			juxtaglomerular arteriole
EMAP:27998			cortical renal tubule
EMAP:28004			early proximal tubule
EMAP:31708 tubule)			early proximal tubule of capillary loop nephron (syn: anlage of proximal
EMAP:31702			early proximal tubule of maturing nephron
EMAP:31282			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28008			early distal tubule
EMAP:31610			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31616			early distal tubule of maturing nephron
EMAP:28012			renal connecting tubule
EMAP:31622			renal connecting tubule of capillary loop nephron
EMAP:31628			renal connecting tubule of maturing nephron
EMAP:31819			cortical renal tubule of capillary loop nephron GROUP
EMAP:31282			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31610			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31708 tubule)			early proximal tubule of capillary loop nephron (syn: anlage of proximal
EMAP:31622			renal connecting tubule of capillary loop nephron
EMAP:31813			cortical renal tubule of maturing nephron GROUP
EMAP:31616			early distal tubule of maturing nephron
EMAP:31702			early proximal tubule of maturing nephron
EMAP:31628			renal connecting tubule of maturing nephron
EMAP:28042			renal medulla
EMAP:28050			immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31415 G			medullary renal tubule
EMAP:31018			straight limb
EMAP:31022			bend (syn: U-turn)
EMAP:6683 G			early nephron GROUP (syn: early tubule)
EMAP:27998			cortical renal tubule
EMAP:28004			early proximal tubule
EMAP:31708			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31702			early proximal tubule of maturing nephron
EMAP:31282			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28008			early distal tubule
EMAP:31610			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31616			early distal tubule of maturing nephron
EMAP:28012			renal connecting tubule
EMAP:31622			renal connecting tubule of capillary loop nephron
EMAP:31628			renal connecting tubule of maturing nephron
EMAP:31819			cortical renal tubule of capillary loop nephron GROUP
EMAP:31282			anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31610			early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31708			early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)

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EMAP:31622			└ renal connecting tubule of capillary loop nephron
EMAP:31813			└ cortical renal tubule of maturing nephron GROUP
EMAP:31616			└ early distal tubule of maturing nephron
EMAP:31702			└ early proximal tubule of maturing nephron
EMAP:31628			└ renal connecting tubule of maturing nephron
EMAP:27830			└ renal vesicle (syn: epithelial vesicle; stage I nephron)
EMAP:31694			└ renal connecting segment of renal vesicle
EMAP:31725			└ distal renal vesicle
EMAP:31719			└ proximal renal vesicle
EMAP:27836			└ comma-shaped body
EMAP:27842			└ upper limb of comma-shaped body (syn: distal limb of comma-shaped body)
EMAP:27848			└ lower limb of comma-shaped body (syn: proximal limb of comma-shaped body)
EMAP:31711			└ renal connecting segment of comma-shaped body
EMAP:27854			└ s-shaped body (syn: stage II nephron)
EMAP:27866			└ renal connecting tubule of s-shaped body
EMAP:27872			└ distal segment of s-shaped body (syn: upper limb of s-shaped body)
EMAP:27878			└ medial segment of s-shaped body (syn: mid-portion of s-shaped body)
EMAP:27884			└ proximal segment of s-shaped body (syn: lower limb of s-shaped body)
EMAP:27896			└ visceral epithelium
EMAP:27902			└ parietal epithelium
EMAP:27908			└ capillary loop renal corpuscle (syn: renal corpuscle of the stage III nephron)
EMAP:27926			└ associated interstitium of renal corpuscle
EMAP:27920			└ parietal epithelium
EMAP:27938			└ presumptive endothelium of renal corpuscle
EMAP:27932			└ presumptive mesangium
EMAP:27914			└ visceral epithelium (syn: podocyte layer)
EMAP:27944			└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27950			└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27956			└ glomerular capillary system of maturing glomerular tuft
EMAP:27962			└ glomerular mesangium
EMAP:27968			└ visceral epithelium (syn: podocyte layer)
EMAP:30966			└ glomerular basement membrane
EMAP:27974			└ Bowman's capsule (syn: glomerular capsule)
EMAP:27980			└ parietal epithelium
EMAP:27986			└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30032			└ glomerular mesangium of Bowman's capsule
EMAP:27992			└ juxtaglomerular arteriole
EMAP:28446 G			stage IV immature nephron maturing nephron (syn: stage IV nephron)
EMAP:27944			└ maturing renal corpuscle (syn: renal corpuscle of Stage IV nephron)
EMAP:27950			└ maturing glomerular tuft (syn: maturing glomerulus)
EMAP:27956			└ glomerular capillary system of maturing glomerular tuft
EMAP:27962			└ glomerular mesangium
EMAP:27968			└ visceral epithelium (syn: podocyte layer)
EMAP:30966			└ glomerular basement membrane
EMAP:27974			└ Bowman's capsule (syn: glomerular capsule)
EMAP:27980			└ parietal epithelium
EMAP:27986			└ urinary space of renal corpuscle (syn: Bowman's space)
EMAP:30032			└ glomerular mesangium of Bowman's capsule
EMAP:27992			└ juxtaglomerular arteriole
EMAP:27998			cortical renal tubule
EMAP:28004			└ early proximal tubule
EMAP:31708			└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)
EMAP:31702			└ early proximal tubule of maturing nephron
EMAP:31282			└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:28008			└ early distal tubule
EMAP:31610			└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31616			└ early distal tubule of maturing nephron
EMAP:28012			└ renal connecting tubule
EMAP:31622			└ renal connecting tubule of capillary loop nephron
EMAP:31628			└ renal connecting tubule of maturing nephron
EMAP:31819			└ cortical renal tubule of capillary loop nephron GROUP
EMAP:31282			└ anlage of loop of Henle (syn: primitive loop of Henle)
EMAP:31610			└ early distal tubule of capillary loop nephron (syn: anlage of distal tubule)
EMAP:31708			└ early proximal tubule of capillary loop nephron (syn: anlage of proximal tubule)

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EMAP:31622			└ renal connecting tubule of capillary loop nephron
EMAP:31813			└ cortical renal tubule of maturing nephron GROUP
EMAP:31616			└ early distal tubule of maturing nephron
EMAP:31702			└ early proximal tubule of maturing nephron
EMAP:31628			└ renal connecting tubule of maturing nephron
EMAP:28050			└ immature loop of Henle (syn: anlagen of loop of Henle)
EMAP:31018			└ straight limb
EMAP:31022			└ bend (syn: U-turn)
EMAP:31415			└ medullary renal tubule
EMAP:31018			└ straight limb
EMAP:31022			└ bend (syn: U-turn)
EMAP:6678 G			collecting duct (syn: ureteric tree)
EMAP:27751			└ ureteric tip (syn: ureteric ampulla)
EMAP:31047			└ ureteric tree terminal branch excluding tip itself
EMAP:28495			└ ureteric trunk
EMAP:28131			└ cortical collecting duct
EMAP:28062			└ medullary collecting duct
EMAP:28495 G			ureteric trunk
EMAP:28131			└ cortical collecting duct
EMAP:28062			└ medullary collecting duct
EMAP:28519 G			renal interstitium group
EMAP:27730			└ nephrogenic interstitium (syn: peripheral blastema)
EMAP:27926			└ associated interstitium of renal corpuscle
EMAP:27932			└ presumptive mesangium
EMAP:27962			└ glomerular mesangium
EMAP:28137			└ renal cortical interstitium (syn: cortical stroma)
EMAP:31289			└ renal cortical fibroblasts
EMAP:31297			└ resident macrophages of the cortex (syn: renal monocytes of the cortex)
EMAP:31305			└ rest of renal cortical interstitium
EMAP:6685			└ renal medullary interstitium (syn: medullary stroma)
EMAP:31461			└ renal medullary fibroblasts
EMAP:31462			└ resident macrophages of the medulla (syn: renal monocytes of the medulla)
EMAP:31463			└ rest of renal medullary interstitium
EMAP:28084			└ perihilar interstitium
EMAP:31770 G			developing vasculature of urinary system GROUP
EMAP:28459			└ renal vasculature
EMAP:27956			└ glomerular capillary system of maturing glomerular tuft
EMAP:27992			└ juxtaglomerular arteriole
EMAP:27938			└ presumptive endothelium of renal corpuscle
EMAP:28380			└ renal artery
EMAP:29997			└ endothelium of renal artery
EMAP:30005			└ smooth muscle layer of renal artery
EMAP:28384			└ renal vein
EMAP:30013			└ endothelium of renal vein
EMAP:30021			└ smooth muscle layer of renal vein
EMAP:28030			└ developing vasculature of cortex
EMAP:28036			└ arterial
EMAP:28038			└ venous
EMAP:28040			└ capillary
EMAP:28070			└ developing vasculature of medulla
EMAP:28072			└ arterial
EMAP:28074			└ venous
EMAP:28076			└ capillary
EMAP:30853			└ ureteral vasculature
EMAP:28459 G			└ renal vasculature
EMAP:27956			└ glomerular capillary system of maturing glomerular tuft
EMAP:27992			└ juxtaglomerular arteriole
EMAP:27938			└ presumptive endothelium of renal corpuscle
EMAP:28380			└ renal artery
EMAP:29997			└ endothelium of renal artery
EMAP:30005			└ smooth muscle layer of renal artery
EMAP:28384			└ renal vein
EMAP:30013			└ endothelium of renal vein
EMAP:30021			└ smooth muscle layer of renal vein

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EMAP:28030		- developing vasculature of cortex
EMAP:28036		- arterial
EMAP:28038		- venous
EMAP:28040		- capillary
EMAP:28070		- developing vasculature of medulla
EMAP:28072		- arterial
EMAP:28074		- venous
EMAP:28076		- capillary
EMAP:31806 G		- nerves of urethra GROUP
EMAP:31650		- nerve of pelvic urethra
EMAP:31651		- nerve of phallic urethra
EMAP:6693		- reproductive system
EMAP:6705		- male reproductive system
EMAP:6694		- female reproductive system
EMAP:6699		- ovary
EMAP:31779 G		- developing vasculature of reproductive system GROUP
EMAP:31590		- developing vasculature of female genital tubercle
EMAP:31690		- developing vasculature of female mesonephros
EMAP:31608		- developing vasculature of male genital tubercle
EMAP:31686		- developing vasculature of male mesonephros
EMAP:28891		- developing vasculature of ovary
EMAP:29117		- developing vasculature of the testis
EMAP:29125		- coelomic vessel
EMAP:29133		- interstitial vessel