

Adult Reproductive System (TS28, P3+)

Edited version of MLSuplTable5.pdf from Little et al, 2007 (PMID: 17452023).

Edits were made by GUDMAP Editorial Office in May 2008 and are highlighted in yellow.

Adult reproductive system (TS28sm)

- male reproductive system (EMAP:29348)
 - testis (EMAP:29352)
 - surface epithelium of testis
 - interstitium of the testis (syn: interstitial tissue) (EMAP:29359)
 - Leydig cell (EMAP:29656)
 - rest of interstitium of the testis (syn: non-specific mesenchyme) (EMAP:29361)
 - seminiferous tubule (EMAP:31477)**
 - Sertoli Cell (EMAP:31479)
 - peritubular myoid cell (EMAP:31481)
 - spermatogonium (EMAP: 31483)
 - spermatocyte (EMAP: 31485)
 - spermatid (EMAP: 31487)
 - spermatozoan (EMAP: 31489)
 - mediastinum testis (EMAP:29362)
 - rete testis (EMAP:29358)
 - vasculature of testis (EMAP:29604)
 - coelomic vessel (EMAP:29606)
 - interstitial vessel (EMAP:29608)
 - tunica albuginea of testis (EMAP:29363)
 - tunica vaginalis testis (EMAP:29364)
 - cremaster muscle (EMAP:29730)
 - testicular branch of genital nerve (EMAP:29732)
 - scrotum (EMAP:29384)
 - epidermal layer of scrotum (EMAP:29734)
 - basal layer (EMAP:29736)
 - stratified layer (EMAP:29738)
 - dermal layer of scrotum (EMAP:29740)
 - hair follicle (EMAP:29742)
 - sweat gland (EMAP:29744)
 - septum of scrotum (EMAP:29746)
 - vasculature of scrotum (EMAP:30792)
 - gubernaculum (syn: caudal suspensory ligament) (EMAP:29369)
 - cystic vesicular appendage (EMAP:29386)
 - inguinal canal (EMAP:29374)
 - inguinal ring (EMAP:29392)
 - external inguinal ring (EMAP:29393)
 - internal inguinal ring (EMAP:29394)
 - efferent duct (syn: vasa efferentia) (EMAP:29385)
 - epithelial layer of efferent duct (EMAP:29748)
 - rest of efferent duct (EMAP:29750)
 - appendix epididymis (EMAP:29391)
 - appendix testis (EMAP:29395)
 - ductus deferens (syn: vas deferens) (EMAP:29377)
 - epithelium of ductus deferens (EMAP:29378)
 - muscle layer of ductus deferens (EMAP:29379)
 - circular muscle layer of ductus deferens (EMAP:30056)
 - longitudinal muscle layer of ductus deferens (EMAP:30058)
 - adventitia of ductus deferens (EMAP:29768)
 - vasculature of ductus deferens (EMAP:30794)
 - epididymis (EMAP:29370)
 - caput epididymis (EMAP:29373)
 - epithelium of caput (EMAP:29762)
 - muscle layer of caput (EMAP:29764)
 - adventitia of caput (EMAP:29766)
 - cauda epididymis (EMAP:29371)

epithelium of cauda (EMAP:29694)
 muscle layer of cauda (EMAP:29752)
 adventitia of cauda (EMAP:29754)
 corpus epididymis (EMAP:29372)
 epithelium of corpus (EMAP:29756)
 muscle layer of corpus (EMAP:29758)
 adventitia of corpus (EMAP:29760)
 vasculature of epididymis (EMAP:30796)
 seminal vesicle (syn: vesicular seminalis) (EMAP:29349)
 epithelium of seminal vesicle (EMAP:29772)
 muscle layer of seminal vesicle (EMAP:29774)
 adventitia of seminal vesicle (EMAP:29776)
 vasculature of seminal vesicle (EMAP:30798)
 ejaculatory duct (EMAP:29387)
 epithelial layer of ejaculatory duct (EMAP:29787)
 rest of ejaculatory duct (EMAP:29789)
 vasculature of ejaculatory duct (EMAP:30800)
 male accessory gland (EMAP:29779)
 bulbourethral gland (syn: Cowper's gland) (EMAP:29782)
 epithelial component of bulbourethral gland (EMAP:29791)
 interstitium of bulbourethral gland (EMAP:29793)
 vasculature of bulbourethral gland (EMAP:30804)
 prostate gland (EMAP:29785)
 anterior prostate gland (syn: coagulating gland) (EMAP:29795)
 anterior prostatic epithelium (EMAP:29797)
 glandular epithelium of anterior prostate (syn:
 secretory epithelium) (EMAP:29799)
 ductal epithelium of anterior prostate (EMAP:29801)
 anterior prostatic interstitium (EMAP:29803)
 smooth muscle of anterior prostate (EMAP:29805)
 rest of interstitium of anterior prostate (EMAP:29807)
 dorsal prostate gland (EMAP:29809)
 dorsal prostatic epithelium (EMAP:29811)
 glandular epithelium of dorsal prostate (syn: secretory
 epithelium) (EMAP:29813)
 ductal epithelium of dorsal prostate (EMAP:29815)
 dorsal prostatic interstitium (EMAP:29817)
 smooth muscle of dorsal prostate (EMAP:29819)
 rest of interstitium of dorsal prostate (EMAP:29821)
 lateral prostate gland (EMAP:29823)
 lateral prostatic epithelium (EMAP:29825)
 glandular epithelium of lateral prostate (syn: secretory
 epithelium) (EMAP:29827)
 ductal epithelium of lateral prostate (EMAP:29829)
 lateral prostatic interstitium (EMAP:29831)
 smooth muscle of lateral prostate (EMAP:29833)
 rest of interstitium of lateral prostate (EMAP:29835)
 ventral prostate gland (EMAP:29837)
 ventral prostatic epithelium (EMAP:29839)
 glandular epithelium of ventral prostate (syn:
 secretory epithelium) (EMAP:29841)
 ductal epithelium of ventral prostate (EMAP:29843)
 ventral prostatic interstitium (EMAP:29845)
 smooth muscle of ventral prostate (EMAP:29847)
 rest of interstitium of ventral prostate (EMAP:29849)
 vasculature of prostate gland (EMAP:30806)
 penis (EMAP:29380)
 crus penis (EMAP:29381)
 os penis (EMAP:29770)
 corpus spongiosum (EMAP:29851)
 epithelial layer of crus penis (EMAP:29853)
 rest of crus penis (EMAP:29855)
 glans penis (EMAP:29383)
 corpus spongiosum (EMAP:29857)
 epithelial layer of glans penis (EMAP:29859)
 rest of glans penis (EMAP:29861)
 prepuce of penis (EMAP:29382)

vasculature of penis (EMAP:30808)
 mesorchium (EMAP:30063)
 female reproductive system (EMAP:29396)
 ovary (EMAP:29419)

- surface epithelium of ovary (syn: coelomic epithelium) (EMAP: 30527)
- tunica albuginea of ovary (syn: ovarian capsule) (EMAP:30526)
- mesenchymal stroma of ovary (EMAP:29423)
 - cortical component of mesenchymal stroma of ovary (EMAP:29424)
 - medullary component of mesenchymal stroma of ovary (EMAP:29425)
- primary follicle (EMAP:29427)
 - primary oocyte of primary follicle (EMAP:29429)
 - follicle cell of primary follicle (syn: granulosa cell of primary follicle) (EMAP:29428)
- primordial follicle (EMAP:30756)
 - oocyte of primordial follicle (EMAP:30758)
 - follicle (EMAP:31249)**
- secondary follicle (EMAP:29863)
 - oocyte of secondary follicle (EMAP:29865)
 - follicle cell of secondary follicle (syn: granulosa cell of secondary follicle) (EMAP:29867)
 - cumulus of secondary follicle (EMAP:29869)
 - mural of secondary follicle (EMAP:29871)
 - theca of secondary follicle (EMAP:29873)
 - (secondary follicles don't have an antrum)
- tertiary follicle (syn: antral follicle) (EMAP:30764)
 - oocyte of tertiary follicle (EMAP:30766)
 - follicle cell of tertiary follicle (syn: granulosa cell of tertiary follicle) (EMAP:30768)
 - cumulus of tertiary follicle (EMAP:30774)
 - mural of tertiary follicle (EMAP:30776)
 - theca of tertiary follicle (EMAP:30770)
 - antrum of tertiary follicle (EMAP:30772)
- pre-ovulatory follicle (syn: Graafian follicle) (EMAP:30778)
 - oocyte of mature follicle (EMAP:30780)
 - germinal cell of mature follicle (syn: granulosa cell of mature follicle) (EMAP:30782)
 - cumulus of mature follicle (EMAP:30784)
 - mural of mature follicle (EMAP:30786)
 - theca of mature follicle (EMAP:30788)
 - antrum of mature follicle (EMAP:30790)
- atretic follicle (EMAP:29875)
 - oocyte of atretic follicle (EMAP:29877)
 - apoptotic germinal cell (syn: apoptotic granulosa cell) (EMAP:29879)
 - theca of atretic follicle
- ruptured follicle (syn: ovulated follicle) (EMAP:29881)
 - theca of ruptured follicle (EMAP:29883)
 - germinal cell of ruptured follicle (syn: granulosa of ruptured follicle) (EMAP:29885)
- corpus luteum (EMAP:29887)
- corpus albicans (EMAP:29896)
- vasculature of the ovary (EMAP:29632)
- rete ovarii of ovary (EMAP:29422)
- mesovarium (EMAP:29400)
- suspensory ligament of ovary (EMAP:29418)
- cystic vesicular appendage (EMAP:29404)
- Mullerian tubercle (EMAP:29399)
- oviduct (EMAP:29430)
 - infundibulum (EMAP:29898)
 - epithelial layer of infundibulum (EMAP:29900) (EMAP:29902)
 - muscle layer of infundibulum
 - longitudinal muscle layer of infundibulum
 - circular muscle layer of infundibulum

serosa of infundibulum (EMAP:29904)
 rest of oviduct (EMAP:29906)
 epithelial layer of rest of oviduct (EMAP:29908)
 muscle layer of rest of oviduct (EMAP:30050)
 longitudinal muscle layer of rest of oviduct
 (EMAP:30054)
 circular muscle layer of rest of oviduct (EMAP:30052)
 serosa of rest of oviduct (EMAP:29914)
 vasculature of oviduct (EMAP:30810)
 uterus (EMAP:29916)
 endometrium (EMAP:29918)
 uterine gland (EMAP:29920)
 rest of endometrium (EMAP:29922)
 myometrium (EMAP:29924)
 adventitia of uterus (EMAP:29926)
 cervix uteri (EMAP:29928)
 epithelial layer of cervix uteri (EMAP:29930)
 muscle layer of cervix uteri (EMAP:29932)
 adventitia of cervix uteri (EMAP:29934)
 vasculature of uterus (EMAP:30812)
 vagina (EMAP:29408)
 lower part of vagina (EMAP:29409)
 epithelial layer of lower part of vagina (EMAP:29410)
 gland of lower vaginal epithelium (EMAP:29936)
 rest of epithelial layer of lower vaginal epithelium
 (EMAP:29938)
 muscular layer of lower part of vagina (EMAP:29411)
 adventitia of lower part of vagina (EMAP:29940)
 upper part of vagina (EMAP:29412)
 epithelial layer of upper part of vagina (EMAP:29413)
 gland of upper vaginal epithelium (EMAP:29942)
 rest of epithelial layer of upper vaginal epithelium
 (EMAP:29944)
 muscular layer of upper part of vagina (EMAP:29414)
 adventitia of upper part of vagina (EMAP:29946)
 vasculature of vagina (EMAP:30814)
 clitoris (syn:genital tubercle of female) (EMAP:30820)
 crus of clitoris (EMAP:30822)
 os clitoris (EMAP:30824)
 epithelial layer of crus of clitoris (EMAP:30826)
 mesenchymal layer of crus of clitoris (EMAP:30828)
 glans clitoris (EMAP:30830)
 surface epithelium of glans clitoris (EMAP:30832)
 mesenchymal layer of glans clitoris (EMAP:30834)
 vasculature of clitoris (EMAP:30836)
 inguinal canal of female (EMAP:29434)
 inguinal ring of female (EMAP:29415)
 external (syn: superficial) (EMAP:29416)
 internal (syn: deep) (EMAP:29417)
 labia (EMAP:30838)
 epithelial layer of labia (EMAP:30840)
 mesenchymal layer of labia (EMAP:30842)
 gland of labia (EMAP:30844)
 vasculature of labia (EMAP:30846)

GROUP TERMS:

male external genitalia (GROUP) (EMAP: 30983)

penis (EMAP:29380)
 crus penis (EMAP:29381)
 os penis (EMAP:29770)
 corpus spongiosum (EMAP:29851)
 epithelial layer of crus penis (EMAP:29853)
 rest of crus penis (EMAP:29855)

- glans penis (EMAP:29383)
 - corpus spongiosum (EMAP:29857)
 - epithelial layer of glans penis (EMAP:29859)
 - rest of glans penis (EMAP:29861)
- prepuce (EMAP:29382)
 - vasculature of penis (EMAP:30808)
- scrotum (EMAP:29384)
 - epidermal layer of scrotum (EMAP:29734)
 - basal layer (EMAP:29736)
 - stratified layer (EMAP:29738)
 - dermal layer of scrotum (EMAP:29740)
 - hair follicle (EMAP:29742)
 - sweat gland (EMAP:29744)
 - septum of scrotum (EMAP:29746)
 - vasculature of scrotum (EMAP:30792)

female external genitalia (GROUP) (EMAP: 30990)

- clitoris (genital tubercle of female) (EMAP: 30820)
 - crus of clitoris (EMAP: 30822)
 - epithelial layer of crus of clitoris (EMAP: 30826)
 - mesenchymal layer of crus of clitoris (EMAP: 30828)
 - os clitoris (EMAP: 30824)
 - glans clitoris (EMAP: 30830)
 - mesenchymal layer of glans clitoris (EMAP: 30834)
 - surface epithelium of glans clitoris (EMAP: 30832)
 - vasculators of clitoris (EMAP: 30836)
- labia (EMAP: 30838)
 - epithelial layer of labia (EMAP: 30840)
 - gland of labia (EMAP: 30844)
 - mesenchymal layer of labia (EMAP: 30842)
 - vasculature of labia (EMAP: 30846)

epithelium of vagina (GROUP) (EMAP: 30996)

- epithelial layer of lower part of vagina (EMAP: 29410)
 - gland (EMAP: 29936)
 - rest of epithelial layer (EMAP: 29938)
- epithelial layer of upper part of vagina (EMAP: 29413)
 - gland (EMAP: 29942)
 - rest of epithelial layer (EMAP: 29944)

muscular layer of vagina (GROUP) (EMAP: 31002)

- muscular layer of lower part of vagina (EMAP: 29411)
- muscular part of upper part of vagina (EMAP: 29414)

adventitia of vagina (GROUP) (EMAP:31004)

- adventitia of lower part of vagina (EMAP: 29940)
- adventitia of upper part of vagina (EMAP: 29946)

epithelium of epididymis (GROUP) (EMAP: 30446)

- epithelium of caput of epididymis (EMAP: 29762)
- epithelium of cauda of epididymis (EMAP: 29694)
- epithelium of corpus of epididymis (EMAP: 29756)

muscle layer of epididymis (GROUP) (EMAP: 30448)

- muscle layer of caput of epididymis (EMAP:29764)
- muscle layer of cauda of epididymis (EMAP: 29752)
- muscle layer of corpus of epididymis (EMAP: 29758)

adventitia of epididymis (GROUP) (EMAP: 30444)

- adventitia of caput of epididymis (EMAP:29766)

adventitia of cauda of epididymis (EMAP: 29754)

adventitia of corpus of epididymis (EMAP: 29760)