20. MALE FEMALE GENITAL HOMOLOGUES

Introduction

Urorectal septum divides hindgut into dorsal anorectum and ventral primitive urogenital sinus (UGS) Sinus bulb/Müllerian eminence forms eminence on posterior wall of primitive UGS.

(m) Upper border of sinus bulb, divides primitive UGS into vesicourethral canal above and definitive UGS/vestibule below. Membranous urethra develops from vesicourethral canal. Functionally, membranous urethra, belongs to vestibule/urethra.

(f) Lower border of Müllerian eminence, divides primitive UGS into vesicourethral canal above and definitive UGS/vestibule below. Membranous urethra anatomically and functionally, belongs to vesicourethral canal.

(m) The definitive UGS/vestibule/urethra extends on the ventral aspect of the genital swelling (penis), as the phallic part of the vestibule/urethra.

(f) The definitive UGS/vestibule, extends of the ventral aspect of the genital swelling (clitoris) as the anterior section of the vestibule

| Male | Fem | ale | | Origin |
|---|--|--|------------------------------------|--|
| Allantois/urachus, bladder, prostatic urethra, membrano urethra | | tois/urachus, bladdo Iular urethra, memb Ira | | Vesicourethral canal |
| Membranous urethra joins bulbar urethra, penile urethr and fossa navicularis. Colliculus seminalis (CS) CS develops from upper bord of membranous urethra, pro | ra, ducts urog Colli der CF de | branous urethra, Ga s, vagina, open in de enital sinus/ vestibu culus feminalis (CF evelops distal then p embranous urethra | finitive le. ⁻) | Bulbar urethra, penile urethra, and fossa navicularis, from definitive UGS/vestibule. Sinus bulb/Müllerian tubercle |
| into prostatic urethra Mesonephric (Wolffian) duct deferens, seminal vesicles, u (and collecting system of kid ejaculatory ducts, Distal ends of ejaculatory du run through CS, vagina masculinus develops in CS | reteric buds neys), and cts Dista throu | s Mesonephric (G ducts develop u buds, and collec system of kidney I ends of Gartner's c ugh CF. Vagina begin lopment in CF. | reteric ting ys Jucts run | Gartner's ducts, atretic remnants of mesonephric ducts. |
| Distal to ducts of seminal ves ejaculatory ducts enter uppe end of prostatic urethra | sicle, Lowe er ducts | s segments of Gartr , enter upper end o lular urethra. | | |
| Distal ends of ejaculatory du enter CS anterolateral to vag masculinus | | l ends of Gartner's c ⁻ CF anterior to vagi | | |
| Vagina masculinus develops in cylinder of mesoderm in CS | develops in mesoderm grows upwa | of vagina in CF cylinder of in CF. Vagina ards, behind rethra and fundus | develop: in sinus | of vagina masculinus (m) and vagina (f) s by cavitation of cylinder of mesoderm bulb/ Müllerian eminence. Cavitation induced by distal end of paramesoneph- ?? |
| | | | | ed (unfused) paramesonephric ducts uce duplicate vagina with longitudinal |

| Male | Female | | Origin |
|---|---|---|---|
| CS arises from posterior border | CF develops posterior to | | Glandular urethra and Gartner's ducts |
| of upper end of membranous | membranous urethra. Forms | | grow cephalad from upper end of CF. |
| urethra. Forms prominent | subtle elevations, oriented | | |
| projection, oriented vertically in | horizontally, in posterior section | | |
| lower end of prostatic urethra. | of vesti | | |
| Convex <u>upper border</u> of CS | | border of CF level with | |
| continuous w upper border of | | g of membranous urethra. | |
| membranous urethra. | op 0 | | |
| Ejaculatory ducts enter upper end | | Gartner's ducts leave ante | rolateral wall upper 1/3 rd of vagina, |
| prostatic urethra, descend in paral | el | | lar urethra, descend in parallel, behind |
| behind urethral crest. Posterior to | | | urethra. Posterior to membranous |
| end of prostatic urethra, ejaculator | | | escend through CF, posterior to urethra |
| ducts, run through CS, diverge sligh | - | | hra, diverge slightly from the midline |
| from the midline and open on CS, i | | | to external urethral orifice of the |
| end of the prostatic urethra. | niowei | membranous urethra. | to external dreamar office of the |
| In CS, ejaculatory ducts run antero- | lateral | | anterolateral to lower end of vagina. |
| to vagina masculinus. | ומנכומו | | anterolateral to lower end of vagilla. |
| - | | Carthor's ducts anon as C | E antorior to introitur of varing in |
| Ejaculatory ducts open on CS, | | | F, anterior to introitus of vagina, in |
| anterolateral to introitus of vagina | | posterior section of vestib | ule. |
| masculinus, in lower end of prostat | .1C | | |
| urethra. | | | |
| Hymen of vagina masculinus: | - | of vagina: Membrane | Inner layer: Epithelium (mesoderm), |
| Diaphanous membrane, at | at lowe | er end of vagina. | on thin layer of mesenchyme, from |
| lower end of vagina masculinus. | | | lining of vagina. Outer layer: |
| | | | Epithelium (endoderm), from sinus |
| | | | bulb/Müllerian tubercle. |
| Introitus of vagina masculinus: Per | | Introitus of vagina: Perfor | |
| in hymen of vagina masculinus. Opens on | | hymen of vagina. Opens o | |
| | CS, inferior to openings of ejaculatory | | |
| CS, inferior to openings of ejaculate | ory | posterior to openings of G | fartner's |
| CS, inferior to openings of ejaculate | ory | posterior to openings of G ducts. | iartner's |
| CS, inferior to openings of ejaculate ducts. | | ducts. | iartner's |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal | Membr | ducts. anous, terminal part of | iartner's |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, | Membr | ducts. ranous, terminal part of irethral canal. Opens in | iartner's |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, joins bulbar urethra. Functions as | Membr | ducts. anous, terminal part of | iartner's |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, joins bulbar urethra. Functions as pelvic part of vestibule. | Membr vesicou middle | ducts. anous, terminal part of irethral canal. Opens in section of vestibule. | |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, joins bulbar urethra. Functions as pelvic part of vestibule. Structures that pierce (inferior) per | Membr vesicou middle ineal | ducts. anous, terminal part of arethral canal. Opens in section of vestibule. Structures that pierce (info | erior) perineal membrane: Distal end of |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, joins bulbar urethra. Functions as pelvic part of vestibule. Structures that pierce (inferior) per membrane: Membranous urethra j | Membr vesicou middle ineal | ducts. anous, terminal part of irethral canal. Opens in section of vestibule. Structures that pierce (infi vagina, Gartner's ducts pie | erior) perineal membrane: Distal end of erce perineal membrane, to open in roo |
| CS, inferior to openings of ejaculate ducts. Membranous urethra, terminal segment of vesicourethral canal, joins bulbar urethra. Functions as pelvic part of vestibule. Structures that pierce (inferior) per | Membr vesicou middle ineal | ducts. ranous, terminal part of prethral canal. Opens in section of vestibule. Structures that pierce (info vagina, Gartner's ducts pie of posterior section of ves | erior) perineal membrane: Distal end of erce perineal membrane, to open in roo tibule. Membranous urethra pierces pen in middle section of vestibule |

| Male | | Female | | | Origin | | |
|---|--|--------------------|-----------------------|--|---|------|--|
| Vestibule/urethra | | Vestibule | | Definitive urogenital sinus (UGS) | | | |
| Vestibule is distal to up | oer Vest | ibule is <u>be</u> | elow lower | CS deve | CS develops in posterior wall of UGS at upper | | |
| border colliculus semina | | | | border of membranous urethra (m). CF appears | | | |
| (CS). (CF). | | | | | in posterior wall of UGS below membranous | | |
| | | | | urethra, and tilts posterior to membranous | | | |
| | | | | urethra | | | |
| Segments male vestibule/ | urethra: | | | Sections | of female vestibule: | | |
| Pelvic part: membranous u | | | | | section: below CF with openings of introit | tus | |
| Perineal part: bulbar ureth | ra, (proxim | al to suspe | nsory ligament | - | , openings of Gartner's ducts). | | |
| penis (SLP). | . | - I | | | ection: below distal urethral orifice of | | |
| Phallic part: penile urethra bicavernosal body of penis | | cularis, (ve | ntral to | | nous urethra, (posterior to suspensory of clitoris (SLC). | | |
| bicavernosal body of perils | | | | | (phallic) section: distal to SLC, (ventral to p | nar | |
| | | | | | lia, ventral to dorsal hood of clitoris, ventra | | |
| | | | | | nd cap of glans clitoris). | | |
| Bulbar urethra | | | | | -anterior ventral midline fusion definit | tive | |
| | | | | urogeni | tal sinus/vestibule in perineum (m). | | |
| | Posterior | section of | definitive UGS/v | | Open definitive urogenital | | |
| | below intr | oitus of v | agina, and openir | ngs of | sinus/vestibule (f). | | |
| | Gartner's | ducts, on | colliculus femina | is (CF). | | | |
| Corpus spongiosum of b | ulbar uret | hra: | | Postero | -anterior, dorsal, and ventral fusion of | f | |
| Spongy cylindrical body | , surrounds | s bulbar | | vestibular bulbs surrounds bulbar urethra. Bulbs | | | |
| urethra. Expansion post | erior to bu | lbar | | unite be | unite behind bulbar urethra. Continues as | | |
| urethra, forms bulb of c | urethra, forms bulb of corpus spongiosum | | | | corpus spongiosum of penile urethra in phallus. | | |
| | | | ile: Narrow elongat | | Bulbs of vestibule, develop on sides of | | |
| | | | al walls of posterior | and | definitive UGS/vestibule. Bulbs unite | | |
| | | | of vestibule. | anteriorly to form <i>pars intermedia</i> Bulbocavernosus muscles: Pair of flat muscles cover | | | |
| Bulbocavernosus muscles: raphe; covers ventral and | | | | the lateral, ventral, and posterior aspects of the | | | |
| corpus spongiosum of bull | | | | vestibular bulbs. Origin: perineal membrane and | | | |
| central tendon of perineur | | - | | central tendon of perineum, lateral and posterior to | | | |
| posterior to corpus spongi | | | | vestibular bulbs. Insert with ischiocavernosus muscles | | | |
| muscles in the dorsal aspe | ct of the pro | | | into the dorsal aspect of the proximal end of the | | | |
| albuginea of bicavernosal | | | | | buginea of bicavernosal body clitoris | | |
| Corpora cavernosa of peni | | | | | | | |
| | • | • | • | | tached to everted medial surface of | | |
| | | | | | nse fibrous envelope, called tunica (tunica albuginea) fuse in midline | | |
| under arcuate ligament of | | • | | | | | |
| - | • | | • | • | gament of the penis. Fused medial | | |
| aspects of tunica albugine | a of bicaveri | nosal body | form a perforated | septum of t | he bicavernosal body. Blood can | | |
| | | | | | of the bicavernosal body presents a | | |
| - | | - | | | nile urethra and dorsal plate of fossa | | |
| | | | | | crescentic cap of the glans penis. | | |
| Corpora cavernosa of clito | | | | | tached to everted medial surface of | | |
| | | | | | nse fibrous envelope, called tunica | | |
| | | | • | • | (tunica albuginea) fuse in midline | | |
| under arcuate ligament of the pubis, to form the bicavernosal body of the clitoris. | | | | | | | |
| b) Bicavernosal body of clitoris, enters phallus/clitoris at level of suspensory ligament of the clitoris. Fused medial | | | | | | | |
| | | | | | he bicavernosal body. Blood can | | |
| | | | | | of the bicavernosal body presents a | | |
| groove, to which is attache | ea the (tunio | a aibugine | a or) pars intermed | ia. The con | e-snaped distal end of the | | |
| bicavernosal body, inserts | in the cross | ontic con o | f the glane eliteric | | | | |

| Male | Female | Female | | | | | | |
|--|---|------------------|---|---|----------------|--|--|--|
| Ischiocavernosus muscles: Pair of | f flat muscles over the | crura of the co | Origin pora caver | nosa. (m), (f). | | | | |
| Origin: Ischiopubic rami on the si | | | | | | | | |
| Insert with bulbocavernosus mus | | - | | | | | | |
| of bicavernosal body of the penis | | • | | 0 | | | | |
| Scrotal sacs | | | Scrotal f | Scrotal folds (m). | | | | |
| | Labia majora | | | d) labial folds (f). | | | | |
| Scrotal septum | , | | | spects of scrotal | folds | | | |
| | | | | rm) fuse in the m | | | | |
| Scrotal raphe | Fusion of vestibular/urethral folds ventral to bulb | | | | | | | |
| Scrotarraphe | | • | l septum distances bulbar raphe from | | | | | |
| | | | | phe named scrota | | | | |
| | Labia minora ventr | | - | vestibular/labial | | | | |
| | and middle section | • | omuseu | | 10103 (1). | | | |
| Postariar and of caratal ranks | Posterior commiss | | | | | | | |
| Posterior end of scrotal raphe, | | | | | | | | |
| joins anterior end of perineal | minora (fourchette | | | | | | | |
| (anogenital) raphe | perineal (anogenita | | ho icinc | Doringal (and | nital) ranh - | | | |
| (Median) perineal (anogenital) | (Median) perineal | | - | Perineal (anoge | · · | | | |
| raphe, joins anal verge to posterior end of scrotal raphe | anal verge to poste | | | formed by med | Iall IUSION OF | | | |
| • • | minora (fourchette | | | perineal plates | | | | |
| Anterior end of scrotal raphe, | Anterior ends of ve | - | | | | | | |
| joins posterior end of penile | folds, join vestibula | ar/ labial tolds | | | | | | |
| raphe | (frenulum) clitoris | N 41-111- | | + * h | | | | |
| Penile raphe | N/A Midline fusion of vestibular/urethral folds, vent penile urethra, proximal to coronal sulcus. Oute | | | | | | | |
| | | | | of penile raphe reflect on epithelium (genita | | | | |
| | fold) of the penis | | | | | | | |
| Preputial raphe | N/A | | | nile raphe on outer | and inner | | | |
| | | | f prepuce | · | | | | |
| Frenulum of coronal sulcus | N/A | e fusion of ve | estibular/urethral fo | olds, ventral to | | | | |
| | , | | | urethra, in coronal sulcus. Outer layers of | | | | |
| | | frenulu | m reflect on epithelium (genital fold) of the | | | | | |
| | | | l sulcus. | | | | | |
| Navicular raphe | | | | ethral folds ventral | to fossa | | | |
| | | | aris (m). | | | | | |
| | Frenulum of clitori | • | | ninora ventral to a | interior | | | |
| | section of vestibule (f). | | | | | | | |
| | Anterior section of vestibule is ventral to dorsal hood of clitoris, | | | | | | | |
| | and ventral to pars intermedia | | | | | | | |
| | Tunica albuginea on dorsal surface of pars intermedia, adheres to | | | | | | | |
| | groove of tunica albuginea on ventral aspect of bicavernosal body | | | | | | | |
| | of clitoris | | | | | | | |
| | Bicavernosal body in the clitoris, is enclosed by dorsal hood of | | | | | | | |
| | clitoris, and roof and cap of clitoris (covered by epithelium from | | | | | | | |
| | genital fold). | | | | | | | |
| | Flat mucosal roof ventral to pars intermedia. Tunica albuginea on | | | | | | | |
| | dorsal aspect of pars intermedia adheres to groove of tunica | | | | | | | |
| | albuginea on ventr | al aspect of bic | avernosal b | ody of clitoris. | | | | |
| | Outer borders of la | abia minora/fre | nulum (ecto | oderm), reflects o | n | | | |
| | ventral borders of | | | | | | | |
| | ventral border of epithelium of roof and cap of clitoris. | | | | | | | |
| | | | | | | | | |

| Male | | Female Origin | | | | | | |
|-----------|--|---|--------------------------------|----------------------------------|-----------------------------------|---|--|--|
| | | Inner borders of labia minora/frenulum (ectoderm), meet lateral | | | | | | |
| | | borders of anterior section of vestibule (endoderm), at Hart's line. | | | | | | |
| Suspen | sory ligament penis (SLP) | Firm ligament formed by a) superficial fibers from linea alba of rectus abdominis | | | | | | |
| | | (fundiform ligament), joined by b) deep fibers from the pubic symphysis. Both sets | | | | | | |
| | | of fibers merge with deep (Buck's) fascia, which surrounds the bicavernosal body of | | | | | | |
| | 1 | the penis and corpus spongiosum of the penile urethra. | | | | | | |
| | Suspensory ligament | | | | | ial fibers from the linea alba of rectus | | |
| | clitoris (SLC) | | - | | | m the pubic symphysis. Both sets of fibers | | |
| | | - | termedi | | surrounus | the bicavernosal body of the clitoris, and | | |
| Penile u | rethra in corpus spongiosum, is | | | u. | Postero-a | anterior ventral midline fusion of penile | | |
| | a albuginea, adherent to ventra | | | | | /urethra. Continuation of postero-anterior, | | |
| | Ibuginea of the bicavernosal bo | | | | | nd ventral fusion of corpus spongiosum | | |
| | - | | | | around b | ulbar urethra (m). | | |
| Prepuc | e | | | | | Genital fold. | | |
| Preputi | ial raphe | | | | Fused vestibular/ urethral folds | | | |
| • | borders of preputial raphe | | | | | Lateral borders of fused vestibular/ | | |
| | on ventral borders of outer | and | | | urethral folds reflect on ventral | | | |
| inner la | ayers of prepuce | | | | | borders of genital fold. | | |
| | | Dorsa | hood o | of clitoris | | Genital fold. Ventral borders join outer | | |
| | | | | | | borders of (unfused) vestibular/ | | |
| | | | | | | labial folds | | |
| | | Ventra | al borde | ers of dorsal h | nood | Ventral borders of genital fold reflect | | |
| | | reflect on lateral borders of labia | | | | on lateral borders of (unfused) | | |
| | | minora/frenulum of glans clitoris | | | clitoris | vestibular/labial folds. | | |
| | | Recess between inner layer of dorsal | | | | | | |
| layer of | | | hood and glans clitoris | | | | | |
| Navicul | lar raphe, ventral to fossa | | | | | Fused vestibular/urethral folds, | | |
| navicul | aris. | | - | | | ventral to fossa navicularis. | | |
| Lateral | borders of navicular raphe | eflect | | | | | | |
| - | helium of ventral borders of | : | | | | | | |
| wings c | of the glans penis | | | | | | | |
| | | Labia minora/frenulum of clitoris, | | | oris, | (Unfused) vestibular/labial folds ventral to | | |
| | | ventral to anterior section of vestibule in glans clitoris | | | | anterior section of vestibule. | | |
| | | | _ | | oric | Vestibular/labial folds unite in anterior | | |
| | | Labia minora/frenulum of clitoris, unite in anterior commissure, below | | | | commissure, under ventral point of | | |
| | | ventral point of crescentic cap of | | | | crescentic cap of glans clitoris. | | |
| | | glans clitoris | | | | | | |
| Lateral l | iteral borders of navicular raphe Outer borders of labia minora/ | | | | a/ | Outer borders of vestibular/labial folds and | | |
| | on epithelium of ventral | | nulum and anterior commissure, | | | anterior commissure, reflect on ventral | | |
| borders | of wings of the glans penis | reflect on epithelium of ventral | | | | borders of genital fold over roof and | | |
| | | | | f and ventral p | | ventral point of crescentic cap of glans | | |
| | | | | of glans clitoris | | clitoris | | |
| | | | | of labia minora anterior comm | • | Inner layers of (unfused) vestibular/ labial folds and anterior commissure, | | |
| | | | | at lateral edges | | (ectoderm), join lateral edges and anterior | | |
| | | | | f flat roof of an | | border, of flat mucosal roof of vestibule | | |
| | | | | ibule at Hart's | | (endoderm), at anterior section of Hart's | | |
| | | | | | | line | | |
| | Inner layers of | vestibula | ar/labial | folds and post | erior com | missure/ fourchette (ectoderm), join ventral | | |
| | | | | | | Is (endoderm), to form posterior section of | | |
| | | , and ver | ntral edg | ges of lateral w | alls (endo | derm), to form posterior section of Hart's | | |
| | line. | | | | | | | |

| Male | | | Female | | | Origin | |
|--|----------------------|--------|--------------------------------|---------------------------------------|--|---|--|
| Fossa navicularis (glanular | | | | | Post | ero- | anterior ventral midline fusion of penile |
| urethra) | | | | | vest | ibule | e/urethra. Roof of fossa navicularis, |
| | | | | adh | eren | t to dorsal plate of fossa navicularis. | |
| | | | (Narrow mucosal roof of) | | | rior | Mucosal roof of vestibule, adherent to |
| | | | section of vestibule | | | | pars intermedia. |
| Dorsal plate | of fossa naviculari | s: Do | orsal surface covered b | y | | | Corpus spongiosum of penile urethra, |
| tunica albugi | inea adherent to v | entra | ral groove of cone-shaped | | | | reduced to form dorsal plate over |
| tip of bicaver | rnosal body of per | nis. V | /entral surface of dorsal | | | | fossa navicularis (m). |
| plate is adhe | rent to roof of tub | bular | r fossa navicularis | | | | |
| | | | or section of vestibule: Dorsa | | | | |
| | - | | nica albuginea adheren | | - | | ament of pubic symphysis, form pars |
| | | | aped tip of bicavernosal boo | | | | ermedia, which passes through the |
| | | | ace of pars intermedia | | | | spensory ligament clitoris, to form pars |
| | | sal r | oof of anterior section of | | | | ermedia over anterior section of |
| | ibule | | | | | | stibule (f). |
| Glans penis: | cap, roof, wings. | Gla | ns clitoris: cap, roof. | | | ed by dorsal plate/pars intermedia of | |
| | | | | | | | nis/clitoris, ventral to bicavernosal body |
| | | | | | - | | /clitoris. |
| | | | | | | | late/pars intermedia, ends just distal to |
| | | | | | | of bic | cavernosal body |
| | p of glans penis | | Crescentic cap of glans cli | | | | Cap of glans penis/clitoris generated |
| | cone-shaped tip of | ot | molded over cone-shaped | | | of | by distal end of dorsal plate of fossa |
| bicavernosal body of penis. | | | bicavernosal body of clitoris. | | | | navicularis/distal end pars intermedia. |
| Roof of glans penis, covers dorsal | | | Roof of glans clitoris, covers | | | | Roof of glans penis/clitoris generated by outer borders of dorsal plate of fossa |
| and lateral as | | | dorsal and lateral aspects of | | | | navicularis (m) or pars intermedia in |
| | and lateral aspect | | bicavernosal body and late | | | | anterior section of vestibule, distal to |
| dorsal plate (| of fossa naviculari | S | aspect of pars interm | eala | | | dorsal hood (f). |
| Posterior bord | ler of roof of glans | | Posterior border of root | fofg | lans | | |
| | orsal part of corona | of | clitoris, forms corona of | toris, forms corona of glans clitoris | | | |
| glans penis | | | | | | | |
| | | | lateral, and ventral | N/A | | Wings of glans penis, generated by | |
| aspects of fo | ssa navicularis (ex | cept | in ventral midline) | | | (ventral surfaces of) outer borders of | |
| | | | | | | | dorsal plate of fossa navicularis |
| | | | penis (curved ventrally | ' | N/A | | |
| and distally), | form coronal sulc | cus pa | art of corona of glans | | | | |
| penis | | | | | | | |
| | - | | n band of tissue betwe | en | N/A | | |
| | he and floor of fo | | | | | | |
| Navicular rap | ohe joins ventral e | nds o | of labia of glans penis | | N/A | | Fused vestibular/urethral folds, ventral to |
| | | | | | | | fossa navicularis, join unfused (distal ends |
| Labia of glans penis and dorsal commissure of labia of glans | | | | | | | of) vestibular/urethral folds. Unfused vestibular/urethral folds and |
| penis | | | | | N/A | anterior commissure of | |
| heilia | | | | | | | vestibular/urethral folds. |
| Labia of glans penis and dorsal commissure of labia of N | | | | | | | |
| | form external uret | | | | • | folds pushed distally by distal/anterio | |
| 0.0.10 perilo, 1 | | | | | | | wings of glans penis, so vestibular/urethral |
| | | | | | folds and anterior commissure of the fold | | |
| | | | | | align vertically, with the opening at the end of | | |
| | | | | | fossa navicularis | | |

| Male | Female | | Origin | |
|--|--|--|-----------------------------------|--|
| Dorsal commissure of labia of glans | penis is | Anterior commissure of labia minora/frenulum of the | | |
| attached to ventral point of crescer | ntic cap of | glans clitoris, attached to ventral point of crescentic | | |
| the glans penis, in dorsal angle of e | xternal | cap of glans clitoris, at o | distal end of anterior section | |
| urethral meatus | | of vestibule. | | |
| Outer border of dorsal commissure | of labia of | Outer border of anteric | or commissure of labia minora/ | |
| glans penis, reflects on epithelium | of ventral | frenulum, reflects on epithelium of crescentic cap of | | |
| point of crescentic cap of glans pen | is, in dorsal | glans clitoris, at distal end of anterior section of the | | |
| angle of external urethral meatus | | vestibule. | | |
| Outer borders of labia of glans peni | is reflect on | Outer borders of labia r | minora/frenulum reflect on | |
| epithelium of anterior borders of w | epithelium of anterior borders of wings of | | nelium of roof of glans clitoris. | |
| glans penis. | | | | |
| Inner borders of labia of glans penis and dorsal | | Inner borders, of labia minor/frenulum, and anterior | | |
| commissure of labia of glans penis (ectoderm), | | commissure of labia minora/frenulum, meet mucosa | | |
| meet mucosa (endoderm), at elliptical opening | | (endoderm), at ventral opening of anterior section of | | |
| of fossa navicularis, at Hart's line | | the vestibule, at Hart's line. | | |
| | | | | |

From <u>https://anatomydevelopment.com/#undefined</u> Jeffrey J Pollen MD, MB BCh (Wits), FRCS (Eng), MRCP (UK), FACS. E: <u>jpollen2@optonline.net</u>