

## Perineum Urogenital triangle Urogenital Diaphragm perinium Urogenital Triangle the two layers of fascia fuse, leaving a small gap Anteriorly The symphysis pubis Anterior pubic arch Anteriorly beneath the symphysis pubis the tip of the coccyx ischial tuberosities Posteriorly laterally the layers of fascia are attached to the pubic Laterally Laterally The ischial tuberosities Superficial Fascia bounded the two layers of fascia fuse with the Posteriorly membranous laver of the superficial fascia and the perineal body Anteriorlyit with Scarpa's fascia Laterally to the margins of the pubic arch Posteriorly to the posterior border of the Posteriorly urogenital diaphragm 1- The perineal body is a median fibromuscular pyramidal mass. Superficial Fascia The structures piercing the perineal membrane 1) In male: between the anal canal and bulb of the penis. 2- Site The membranous layer (Colles' fascia) fatty layer (fascia of Camper male female In female: between the anal canal and lower part of the vagina. fat of the ischiorectal fossa with the membranous laver of superficial fascia 1- Membranous Urethra. 1- Urethra. 1- External anal sphincter. is continued of the anterior abdominal wall (Scarpa's fascia) 1- continuous with - superficial fascia of the thighs 2- Ducts of the bulbo-urethral glands 2- Vagina behind the urethra. 2- Sphincter of the urethra. In penis(or clitoris) —— as a tubular sheath (Buck's fascia) the fat is replaced by smooth muscle the dartos 3- Artery of the urethra. 3- Artery of the urethra. Perineal Body 3- Superficial transversus perinei muscles (of in the scrotum --- Colle's Fascia both sides In the scrotum. 4- Artery of the bulb. 4- Artery of the bulb. The dartos muscle contracts in response to cold 4- Deep transversus perinei muscles (of both 3- Muscles attached to the perineal body: and reduces the surface area of the scrotal skin 5- Deep artery of the penis. 5- Deep artery of the clitoris. 6- Dorsal artery of the penis. 6- Dorsal artery of the clitoris. 5- Anterior parts of the levator ani (of both 7- Dorsal nerve of the penis 7- Dorsal nerve of the clitoris. 6- Bulbospongiosus.

## Pouch Superficial Perineal Pouch deep perineal pouch Superficial Perineal Pouch deep perineal pouch membranous layer of superficial fascia (Colle's perineal membrane (inferior fascia of the pelvic Floor Floor diaphragm) Roof perineal membrane. Roof superior fascia of the pelvic diaphragm. Boundaries On each side pubic arch. On each side: pubic arch. Posteriorly closed by the attachment of the roof and floor. Anteriorly and posteriorly: closed by the fusion of the roof and floor Anteriorly where it is continuous with the space deep to the membranous layer of the superficial fascia of the anterior abdominal wall Superficial Perineal Pouch deep perineal pouch Male Female Male Female 1- Bulb of the penis —— is the posterior part of the corpus spongiosum. 1- Root of the clitoris. 1-Membranous urethra 1-Urethra --- In the median plane closely anterior to the vagina. 1- M/F 2- 2 Crura of the penis --- is the posterior part of the corporus cavernosum 2- Vestibule of the vagina and greater vestibular 1- M/F 2-The bulbourethral glands 2-Vagina — in the median plane glands 3- Penile urethra --- inside the bulb of the penis 3- The sphincter urethrae 3- The sphincter urethrae ---- which is pierced by the urethra and the vagina from the perineal branch of the internal from the perineal branch of the internal 2- BV 1- The internal pudendal vessels and their branches 1-The internal pudendal vessels and their branches 1- Posterior scrotal artery: 1- Posterior labial artery pudendal artery. pudendal artery 1- The dorsal nerves of the penis 1- The dorsal nerves of the clitoris 3- nerve one of the two terminal branch of internal one of the two terminal branch of internal 2- Deep artery of the penis 3- Deep artery of the clitoris 2- Blood Vessels 4- muscle 1- The deep transverse perineal muscles 1- The deep transverse perineal muscles one of the two terminal branch of internal one of the two terminal branch of internal 3- Dorsal artery of the penis 4- Dorsal artery of the clitoris pudendal artery pudendal artery - Surrounds the urethra in the deep perineal pouch. 4- Artery of the bulb of the penis 2. Artery of the vestibule of the vagina - arises from the pubic arch on the two sides arise from the perineal branch of pudendal nerve arise from the perineal branch of pudendal nerve 1- Posterior labial nerve: Sphincter Urethrae Muscle - passes medially to encircle the urethra 1- Posterior scrotal nerve to the scrotum to the labia majora 3-Nerves The muscle compresses the membranous part 2- Dorsal nerve of clitoris: — one of the two terminal branch of pudendal nerv one of the two terminal branch of pudendal 2- Dorsal nerve of the penis of the urethra relaxes during micturition 1- Superficial transversus perinei muscles —— fixation of the perineal body same

contract at the end of micturition or eiaculation

maintain erection of the penis and clitoris

2- Bulbospongiosus muscles ---- Empty the urethra

3- Ischiocavernosus muscles.

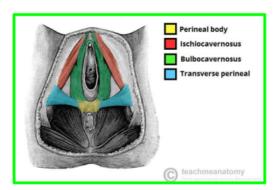
muscles

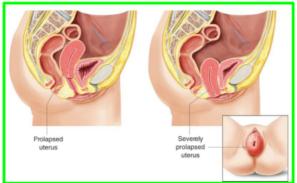
It is the means by which micturition can be

voluntarily stopped

## Perineal Body

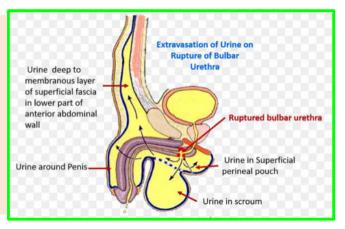
- \*\* Applied anatomy:
- The perineal body is essential to the integrity of the pelvic floor.
- Rupture of the perineal body leads to widening of the gap between the anterior borders of the levator ani muscles. This predisposes to the prolapse of the uterus.





Rupture of the urethra leading to extravasations of urine into the superficial perineal pouch → to the anterior abdominal wall.

The urine also deseeds to the front of the thigh till the fusion of membranous layer of superficial fascia with the deep fascia.





مع ما نعيشه من تدافع شديد وفتن تتوالى، تشبث بقوة بأرجى أعمالك، احفظها بروحك وجوارحك وكل ذرة إخلاص فيك، وتشبت بقوة أخرى، بأرجى أمانيك في سبيل الله تعالى.

فكلاهما، حلم تحقق وحلم لا يزال ينتظر، مجاديف قاربك إلى شاطئ الأمان الأخير.

أما حلمك الذى تكسر فهو الفداء لهما.

هكذا يخطط المسابقون لله جل جلاله، الذين يدركون قيمة الحلم والهدف وموقع الخسارة والاستدراك. فلا يعرفون هزيمة، كل حياتهم تمكين وانتصار وشهادة ت - د ، ليلى حمدان ،