PERINEUM: That part of the trunk distal to the pelvic diaphragm
2 triangles lying at nearly a right angle to each other:
  Urogenital - covered in below with urogenital diaphragm
  Anal - covered only with skin & fascia (+/- gluteus maximus)
**ISCHIOANAL (ISCHIORECTAL) FOSSA**

- Wedge shaped & filled with fat
- Crossed by inferior rectal nerve & artery
- Alcock's canal in its lateral wall
- Anterior: Perineal body, urogenital diaphragm, anterior recess
- Posterior: Posterior recess, gluteus maximus, sacrotuberous ligament, anococcygeal body, horseshoe connection
- Contains: Fat, Alcock's (pudendal) canal, internal pudendal artery, pudendal nerve, inferior rectal artery/nerve, perineal branch of S4, perforating cutaneous nerve

**MALE PERINEUM - DEEP PERINEAL POUCH**

- Obturator internus
- Urethra
- Anterior recess of ischio-anal fossa
- Thin superficial fascia of urogenital diaphragm
- Perineal membrane (thick fascia)
- Crus surrounded by ischiocavernosus
- Urethra corpus spongiosum, bulbospongiosus

**Deep perineal pouch** (between perineal membrane & superior fascia of urogenital diaphragm).
Contains: membranous urethra, deep transverse perinei, external urethral sphincter, bulbourethral (Cowper's) glands which drain into urethra below the perineal membrane, internal pudendal vessels, dorsal nerve of penis

Note that external sphincter has striated muscle extensions around lower prostatic urethra, above the urogenital diaphragm that mix with smooth bladder wall muscle & are called the **intrinsic urethral mechanism**
MALE SUPERFICIAL PERINEAL POUCH

Scarpa's fascia is fused to pubis then extends into scrotum as Colles' fascia & around penis as Buck's fascia

Deep perineal pouch

Colles' fascia: attached posteriorly to ischiopubic ramus & posterior part of perineal membrane

All perineal structures below the perineal membrane are in the superficial perineal pouch: 2 crura with ischiocavernosus muscles around them. Whole urethra with corpus spongiosum around it. Bulbospongiosus muscle around bulb. Superficial transverse perinei muscles, perineal body, perineal branches of internal pudendal artery, pudendal nerve & branches, Colles' fascia, ducts of Cowper's glands, deep & superficial external pudendal arteries, spermatic cords, testes, penis, dartos muscle (panniculus carnosus), branches of ilio-inguinal and genitofemoral nerves.

**Scrotal blood supply:** deep/superficial external pudendal, branches of internal pudendal. Veins to external pudendal

**Nerves to scrotum:** Anterior 1/3 - ilio-inguinal, posterior 2/3 - posterior scrotal brs of perineal & perineal brs of posterior femoral cutaneous nerve

**Lymph:** superficial inguinal glands