

## Unit 36: Topographic anatomy: **Pelvis 2**

### Guide for the practical class using Anatomedia online

#### Regional anatomy of pelvis

1. Go to An@tomedica, **pelvis** module-regions-frame: **14 and 15** (Pelvic floor: Pelvic diaphragm and urogenital hiatus)
  - Click on underlined text to visualize openings in the pelvic diaphragm, viscera/vessels and nerves transmitted through the pelvic floor
  - Activate 'can you identify' to visualize components of levator ani and other pelvic floor muscles, tendinous arch, position/contents of urogenital hiatus
2. Go to An@tomedica, **pelvis** module-regions-frame: **26 and 27** (Urogenital & anal triangles, Walls & layers of perineum)
  - Click on underlined text to visualize walls and layers of urogenital and anal triangles
  - Activate 'can you identify' to visualize walls and tissue components in perineum and to list layers of urogenital and anal triangles
3. Go to An@tomedica, **pelvis** module-regions-frame: **28 and 29** (Viscera & sphincters in perineum, Lesser sciatic foramen)
  - Click on underlined text to visualize developmental characteristics of perineum, its junctional zones, sphincters and supply
  - Activate 'can you identify' to visualize the site of perineum and organs/visceral structures (and their supply) in perineum and lesser sciatic foramen
4. Go to An@tomedica, **pelvis** module-regions-frame: **30 and 31** (Pudendal canal & ischioanal fossa, Superficial perineal pouch)
  - Click on underlined text to review structures transmitted through pudendal canal, layers and tissue components of the superficial perineal pouch
  - Activate 'can you identify' to visualize tissue structures of the above perineal regions to list layers of male and female superficial perineal pouch

#### Pelvic viscera

5. Go to An@tomedica, **pelvis** module-systems-frames: **23 and 24** (Male genital system, Testis & Epididymis)

-Click on underlined text to review position, parts, relationships and developmental and clinical relevance of male genital system, particularly of the contents of scrotal sac

-Activate 'can you identify' to visualize principle paired and unpaired male genital organs, particularly testis, epididymis and ductus deferens

6. Go to An@tomedica, **pelvis** module-systems-frames: **25 and 26** (Ductus deferens & seminal vesicles, Prostate & Bulbourethral glands)

-Click on underlined text to review parts and features of ductus deferens, features of the prostatic urethra, lobes/zones/fascia of prostate gland

-Activate 'can you identify' to visualize parts of ductus deferens, seminal vesicles, ejaculatory ducts, prostate and bulbourethral glands

### **Perineal viscera (external genital organs)**

7. Go to An@tomedica, **pelvis** module-systems-frames: **27 and 28** (Penis, Scrotum)

-Click on underlined text to review ligaments/fascial layers/coverings/erectile tissues and supply of penis, layers/contents/supply of scrotum

-Activate 'can you identify' to visualize components and parts of penis and scrotum

8. Go to An@tomedica, **pelvis** module-systems-frames: **21 and 22** (Clitoris, Vulva)

-Click on underlined text to review peculiarities of supply of clitoris, content and supply of vulva

-Activate 'can you identify' to visualize components and parts of clitoris and vulva

### **Neurovascular supply of pelvis**

9. Go to An@tomedica, **pelvis** module-systems-frames: **31 and 32** (Sacral plexus, Obturator & pudendal nerves)

-Click on underlined text to review how is sacral plexus formed, its direct and indirect branches, path and branches of obturator and pudendal nerves

-Activate 'can you identify' to visualize parts and branches of the sacral plexus, course target tissues of obturator and pudendal nerves

10. Go to An@tomedica, **pelvis** module-systems-frame: **33** (Visceral nerves of pelvis)

-Click on underlined text to review components of the autonomic nervous system supplying pelvic viscera

-Activate 'can you identify' to visualize parts of autonomic plexuses in abdomen and pelvis as well as efferent components of micturition, defecation, erection and ejaculation reflexes

11. Go to An@tomedica, **pelvis** module-systems-frames: **34 and 35** (Arteries and veins of pelvis)

-Click on underlined text to review divisions and branches of the internal iliac artery (visceral and parietal), venous tributaries of internal iliac vein and visceral venous plexuses of pelvis

-Activate 'can you identify' to visualize parts branches/tributaries of the internal iliac artery/vein