DRAWING (AND THINKING)
THROUGH THE PERINEUM

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Start with 2 curved lines.
Add a dotted line below, at an angle.
Then a thick line below that, curved up and around at the end.
Now, these lines don't have to be this fancy.

But you need one cup-shaped line here.

And a more complicated one here, that meets the curved-up end of the thick line here.
Now you can probably visualize where things are.
But let's simplify.

You only have to draw 6 lines to get here.
With these 6 lines, you can define 12 membranes and spaces. Even numbers are membranes, odd numbers are spaces.

Let's take them one at a time.
1: the peritoneal cavity - guts
2: the peritoneum (parietal)
3: subperitoneal space
- bordered above by the peritoneum
  and below by the pelvic diaphragm
- contains bladder, prostate, uterus, superior part of vagina, part of rectum
The Pelvic Diaphragm

(4): superior Fascia of the pelvic diaphragm

(5): muscles of the pelvic diaphragm

\{ Ischiococcygeus \\
Iliococcygeus \\
Pubococcygeus \} most sources group

\{ those 3 as levator ani MM. \}

(6): inferior fascia of the pelvic diaphragm

Gray's 40th includes all in levator ani MM.
⑦: Ischioanal Fossa
- anteriorly, pinches out between pelvic diaphragm above and urogenital diaphragm below
- posteriorly, extends from pelvic diaphragm all the way out to the skin
- contains adipose tissue

- urogenital and digestive tracts pass through
- pudendal artery, vein, nerve bundle in lateral wall, in Alcock's (pudendal) canal
The Uro genital Diaphragm or Urogenital Shelf

Conceptually, another sheet of muscle, sandwiched between two sheets of fascia.

... but this requires some unpacking.
(8): superior fascia of UG diaphragm

- conceptually neat because it forms part of the "sandwich" of fascia around the muscles of the UG diaphragm

- HOWEVER recent anatomical studies have not found that this fascia actually exists, and some recent textbooks omit it

... so you will probably hear about it, but it might not be real
(9) Deep perineal pouch
- deep transverse perineal muscle
- urethral sphincter - external
- accessory glands 0 - bulbourethral

Note: Some sources describe the deep pouch as extending all the way up to the pelvic diaphragm (i.e., including the anterior recesses of the ischiorectal fossa).
10: inferior fascia of the U6 diaphragm or perineal membrane

- thick membrane that wraps around the posterior margin of the deep transverse perineal muscle to cup the deep pouch

- ABOVE this membrane is the deep perineal pouch

- BELOW this membrane is the superficial perineal pouch
Superficial perineal pouch

Contains:
- Superficial transverse perineal muscle
- Erectile tissues (both sexes)
- Muscles of the erectile tissues (both sexes)
- Accessory glands & greater + lesser vestibular glands
- Entire contents of the scrotum!

- Bounded above by the perineal membrane
- Bounded below by Colle's fascia
(12): Colle's Fascia
- continuous with the dartos fascia over the penis and with Scarpa's fascia on the abdomen
- anchored to posterior margin of UG diaphragm

- does not continue onto the penile glans, but anchored around the end of the shaft

This is one continuous sheet of tissue with different names