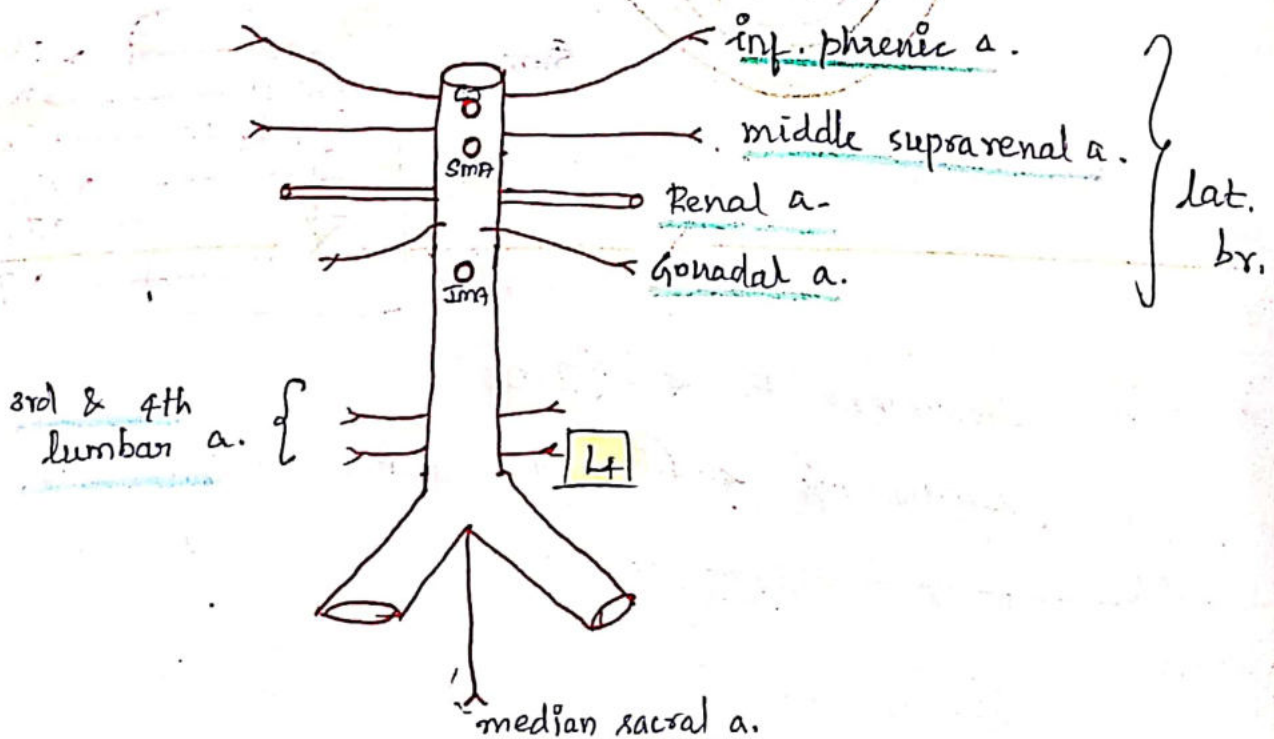


Extension:

T₁₂ - L₄Note: Overall extension of
aorta \Rightarrow T₁₂ to L₄Branches:(i) Ventral br.: CT, SMA, IMA(ii) Lat. br.: inf. phrenic a., middle suprarenal a.,
Renal a. & Gonadal a.(iii) Dorsal br.: Lumbar a. (4).
Median sacral a.

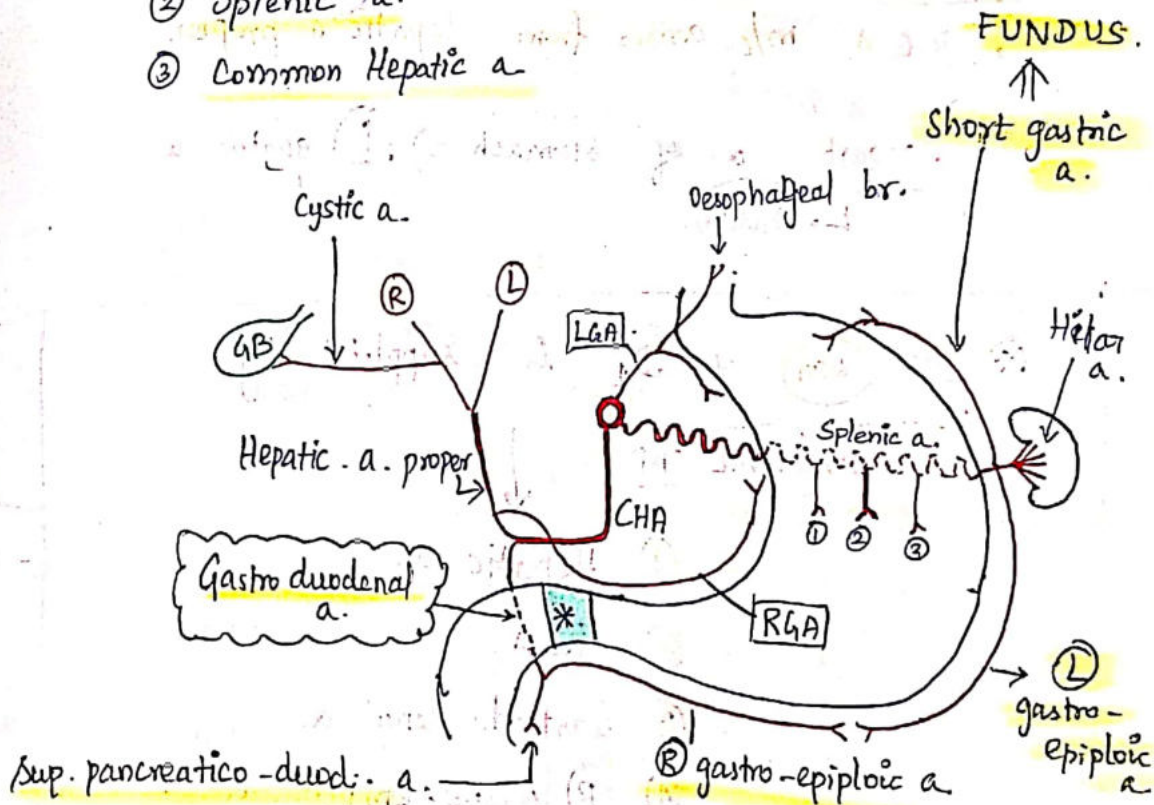
(ie) 2 pairs.

Note: Usually there are 4 lumb. a., but if
5th is present, it arises from median sacral a.(iv) Terminal br.: CIA
common iliac a.

$\boxed{\text{IMA}} \rightarrow \text{Body of } L_3$

COELIAC TRUNK

- ① Left Gastric a. (LGA) → largest branch
- ② Splenic a.
- ③ Common Hepatic a.



- ① Dorsal pancreatic a. \Rightarrow supp. body & tail. of Panc
- ② Arteria pancreatica magna
- ③ Arteria. caudae pancreatis \Rightarrow supp. tail

Note: Head of pancreas is supp. by br. from SMA & Comm. Hep. a.
(sup. panc. duod. a.)

Note: ulceratⁿ & perforⁿ of D₁ ⇒ Bleeding of Gastroduod. a

⊗ Note:

* Since D_1 is intraperitoneal, any blood v/s (or) duct should run behind D_1 (a. & v. duod. a.)

⊗ Note:
* IIIrd Transv. colon is intraperitoneal, that's why SMA is found behind T-Colon, But D_3 is retroperitoneal so SMA is found in front of D_3 .

⊗ Note:

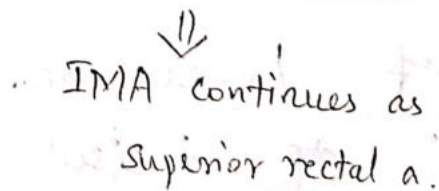
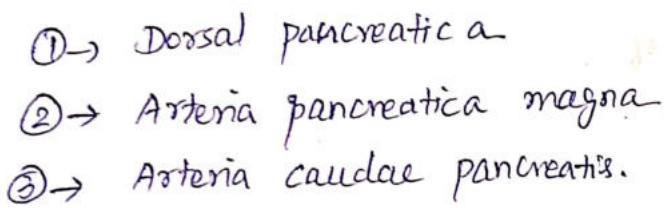
* R.G.A m/c arises from Hepatic a. proper.

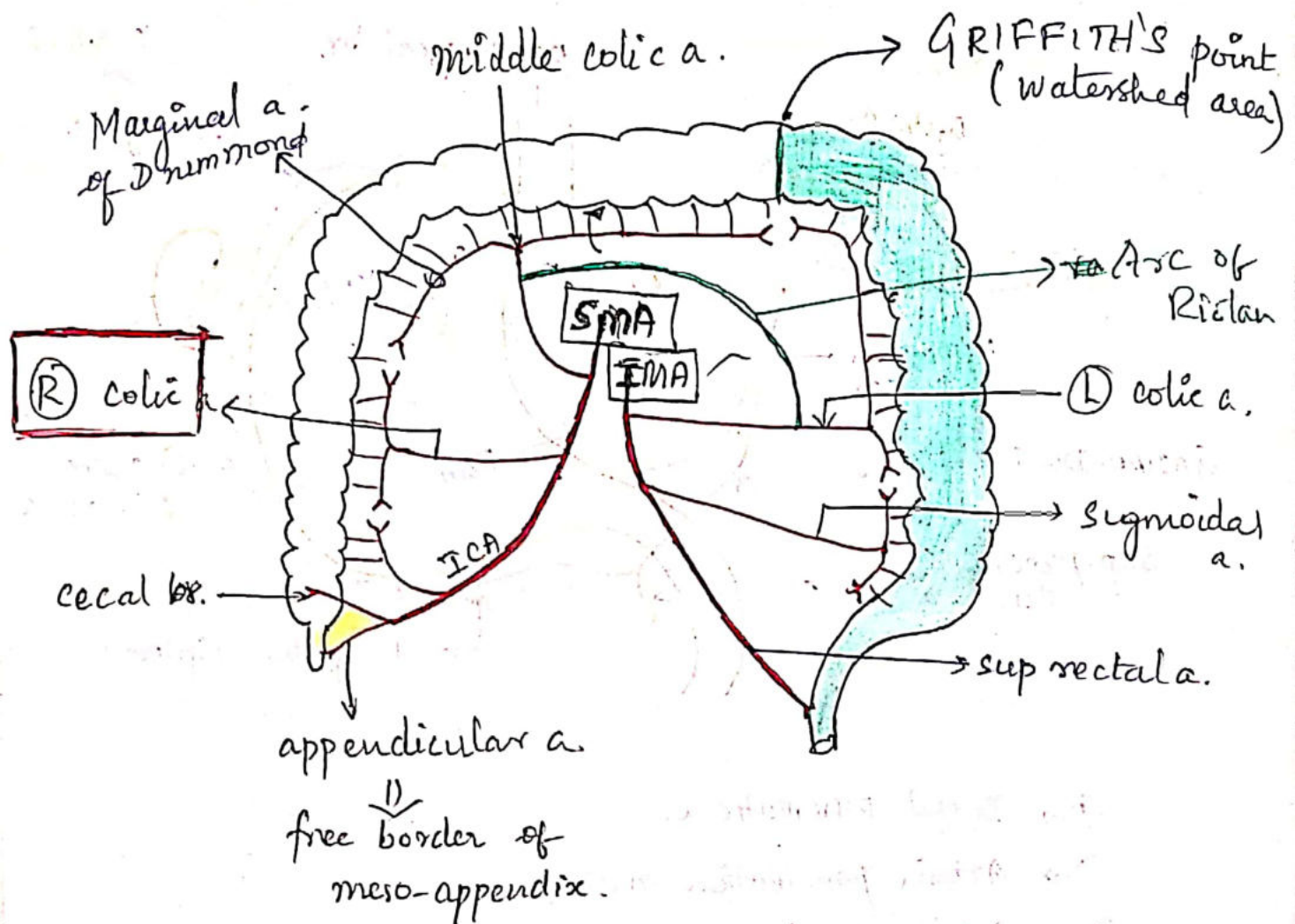
* "Largest" a. of stomach \Rightarrow (L) gastric a.
↳ (width)

⊗ 1st (2cm) of D_1 is supplied by.

DUODENAL CAP

- ↓
- ① Hepatic a.
 - ② RGA.
 - ③ Gastroduodenal a.
 - ④ (R) gastro-epiploic a.





Note:

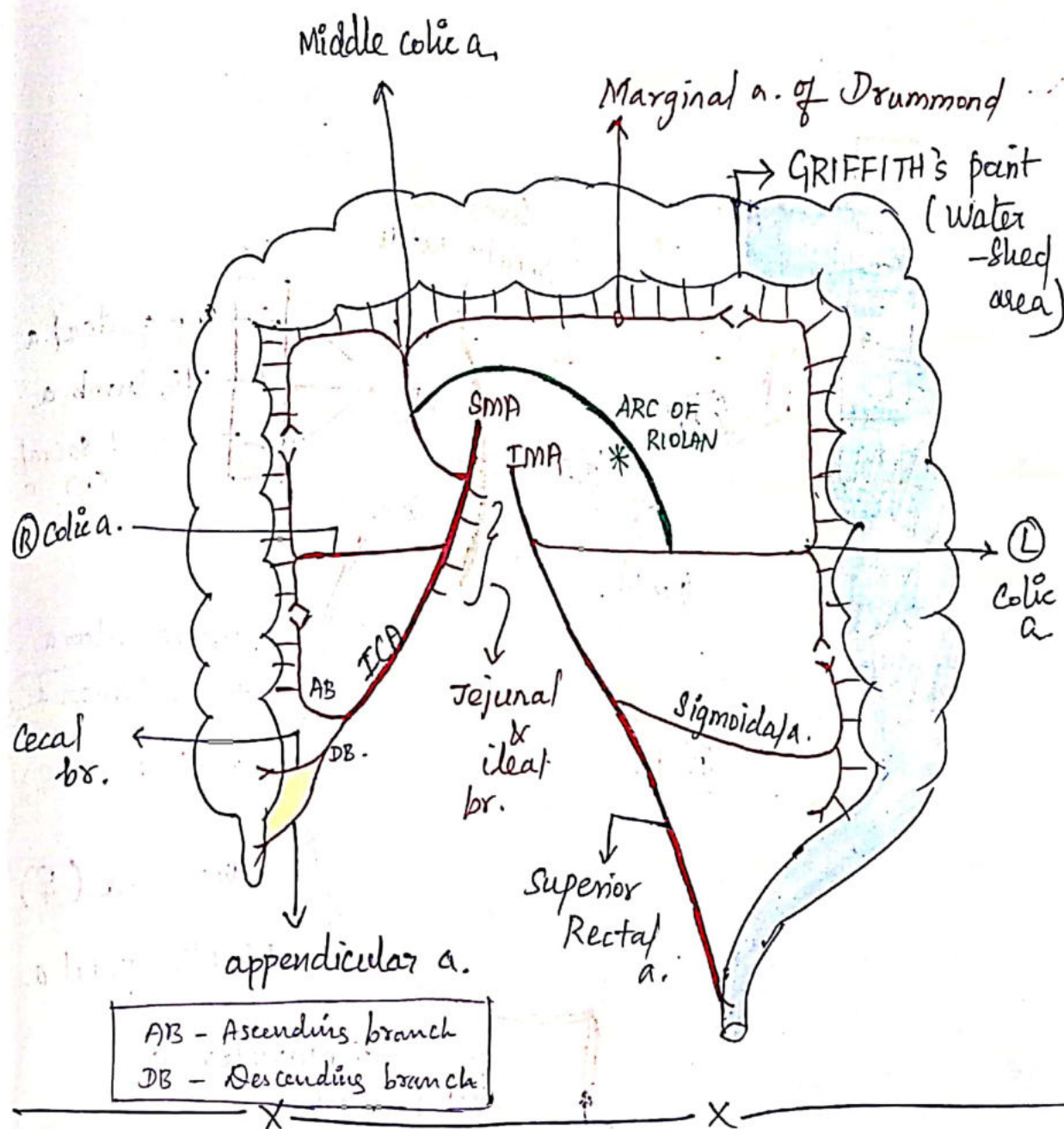
✓ R colic a. is the m/c absent artery



But due to marginal a. of Drummond
blood supply is not affected

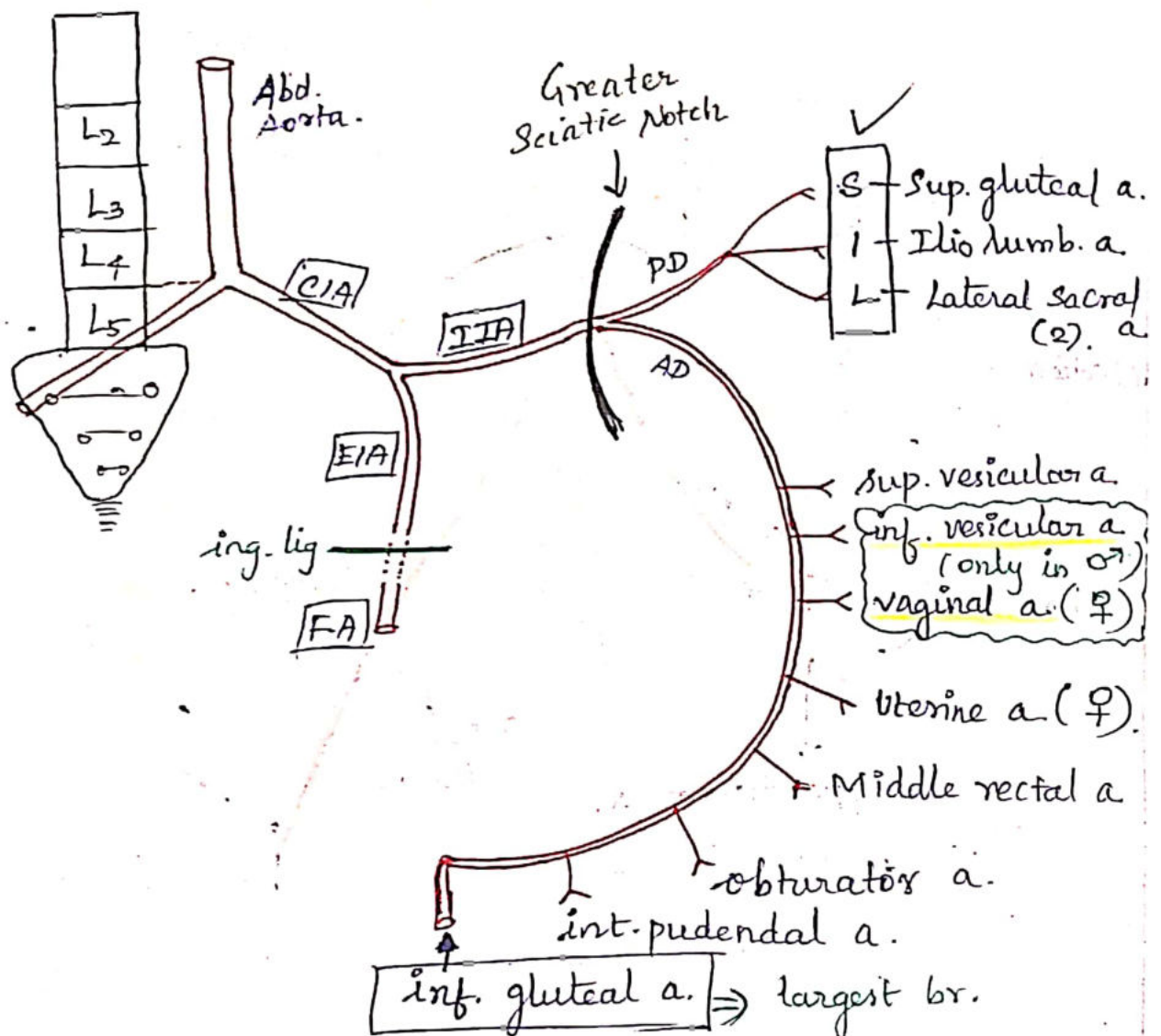


clinical: middle colic a. is present
towards R so during surgical approach
of lesser sac. The Transv. mesocolon
is ~~ap~~ incised towards L side.

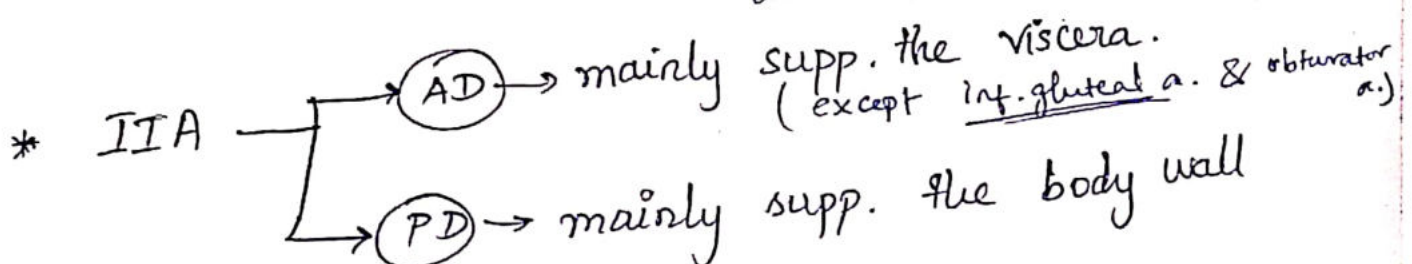
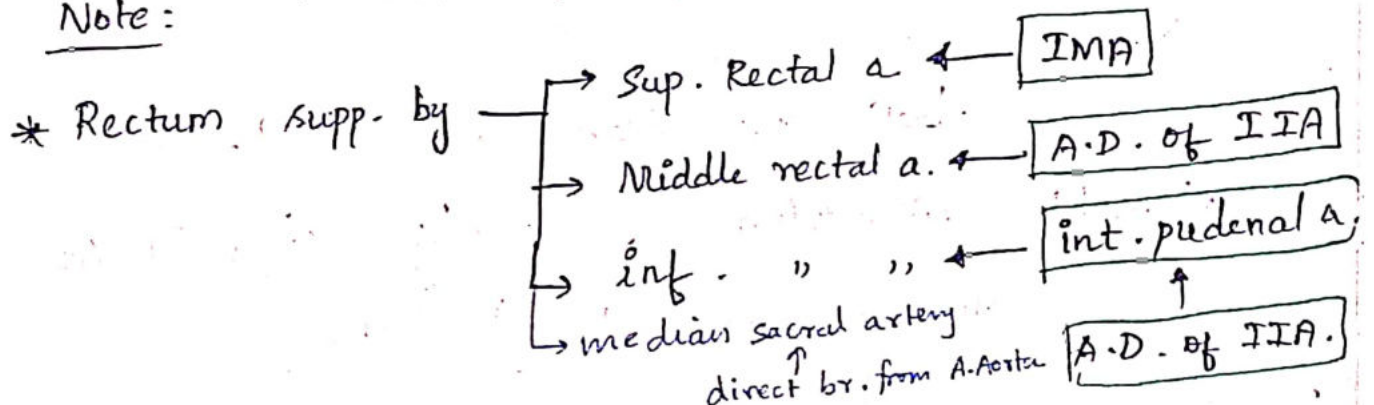


sup. rectal a. & sigmoidal a.

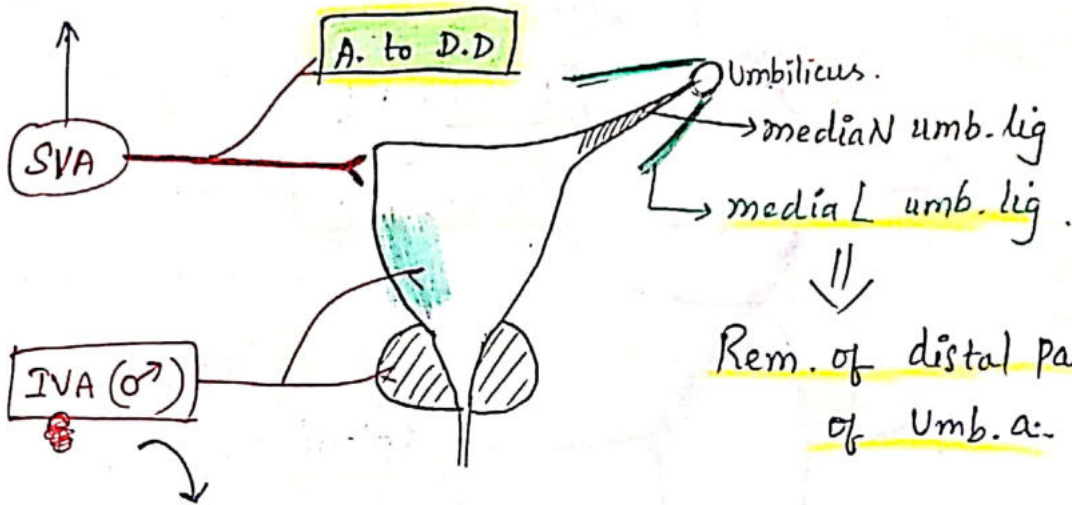
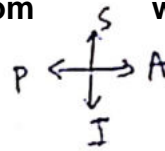
both are seen as contents in
sigmoid mesocolon & supply sigmoid colon
& superior part of Rectum



Note:



Remnant of PROX. part of Umb. a.



Rem. of distal part of Umb. a.

- ① Base of bladder
- ② Prostate gl. ✓
- ③ Seminal vesicle ✓
- ④ may give off → A. to D.D.
- ⑤ Terminal ureter

In ♀ instead of IVA, vaginal a. is there.

vaginal a.

- ① Vaginal wall
- ② Base of bladder
- ③ Terminal Ureter

Note: A. to D.D (Ductus Def.) m/k arises from SVA (sup. vesicular a.), but other male ~~reproductive~~ reproductive struc. are supp. by IVA