

Abdominal aorta

Superior mesenteric artery

1- Inferior pancreaticoduodenal artery

2- Jejunal branches

3- Ileal branches

4- Ileocolic artery :

- a- Ileal branches
- b- Anterior caecal
- c- Posterior caecal
- d- Appendicular artery
- e- Ascending branch

5- Right colic artery

- a- Ascending branch
- b- Descending branch

6- Middle colic artery

- a- Right branch
- b- Left branch

Inferior mesenteric artery

1- Left colic artery

- a- Ascending branch
- b- descending branch

2- Sigmoid (Inferior colic) arteries (2-3)

3- Superior rectal (Hemorrhoidal) artery

- Inferior pancreaticoduodenal artery anastomose with Superior pancreaticoduodenal artery
- Ascending branch of right colic artery anastomose with Right branch of middle colic artery
- Descending branch of right colic artery anastomose with Ascending branch of ileocolic artery
- Left branch of middle colic artery anastomose with Ascending branch of left colic artery
- Sigmoid (Inferior colic) arteries (2-3) anastomose above with Descending branch of left colic & anastomose below with Superior rectal (Hemorrhoidal) artery
- Superior rectal (Hemorrhoidal) artery anastomose with Middle & Inferior rectal arteries