

# TRANSVERSE COLON ANATOMY

[ Anatomical Illustration Placement ]

## STRUCTURAL LANDMARKS

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- **Hepatic Flexure** Right-sided 90-degree turn near the liver.
  - **Splenic Flexure** Left-sided sharp turn near the spleen.
  - **Transverse Mesocolon** Peritoneal fold attaching it to the posterior wall.
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## HISTOLOGY LAYERS

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- **Mucosa** Simple columnar epithelium with goblet cells.
  - **Submucosa** Vascular and nervous supply (Meissner plexus).
  - **Muscularis Externa** Contains the three Taeniae Coli bands.
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## NEUROVASCULAR SUPPLY

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- **Arterial Supply** Middle colic artery & Left colic artery.
  - **Venous Drainage** Superior and Inferior mesenteric veins.
  - **Innervation** Vagus nerve (proximal) & Pelvic splanchnic (distal).
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## CLINICAL NOTES

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- **Length** Approximately 45-50 cm.
  - **Position** Intraperitoneal (highly mobile).
  - **Function** Water absorption and electrolyte exchange.
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