

SIGMOID COLON ANATOMY

[Anatomical Illustration Vector Area]

Descending Colon Junction

Sigmoid Volvulus Site

Rectosigmoid Junction

STRUCTURAL CHARACTERISTICS

Feature	Description
Location	Left lower quadrant of the abdomen, extending from the pelvic brim to the third sacral segment.
Shape	S-shaped loop, typically 35-40 cm in length, though highly variable.
Mesentery	Attached to the posterior abdominal wall by the fan-shaped Sigmoid Mesocolon.
Blood Supply	Primarily the Sigmoid Arteries (branches of the Inferior Mesenteric Artery).

HISTOLOGICAL LAYERS

Mucosa	Simple columnar epithelium with high density of goblet cells for lubrication.
Muscularis Propria	Inner circular layer and outer longitudinal layer (forming three bands called Teniae Coli).

Serosa

Outermost visceral peritoneum layer containing small fat-filled pouches (Omental Appendices).

Reference Template: Clinical Anatomy Series | Not for Diagnostic Use