

Congenital Positional Anomaly of Descending Colon and Sigmoid Colon: Its Embryological Basis and Clinical Implications

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Abstract : A rare case of intestinal malrotation with midline descending colon and right sided sigmoid colon was observed in an adult male cadaver aged around 55 years during routine dissection. The descending colon began from the splenic flexure and gradually descended downwards to occupy the midline position and turned to the right side to be continued as sigmoid colon at the level of the fifth lumbar vertebra. In the right iliac fossa some part of loop of sigmoid colon displaced into the right lumbar region before entering into the true pelvis to continue as rectum. This anomalous descending and sigmoid colon was supplied by varying branching pattern of inferior mesenteric artery. It is extremely important to consider this embryological anomaly before any interventional diagnostic procedures like colonoscopy and to enhance the safety of colonic surgery.

Keywords : sigmoid colon, descending colon, hindgut, malrotation

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