

Physician - Aortic (Abdominal) Pathologies and Surgery/Endovascular Interventions

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Clinical Outcomes and Applications of Bypass Procedures on Intra-Abdominal Visceral Arteries

Muhammet Fethi Sağlam, Emrah Uğuz

Department of Cardiovascular Surgery, Ankara Yıldırım Beyazıt University, Ankara, Türkiye

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E-mail: dr.m.fethisaglam@gmail.com

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Objective: This study aimed to evaluate the clinical effectiveness, indications, and patient profiles of bypass procedures performed on intra-abdominal visceral arteries.

Methods: Ten patients who underwent between 2019 and 2024 were included in the study.

Results: In five patients (4 females, 1 male; range, 38 to 64 years), the procedure was part of a hybrid treatment due to aortic pathology. The procedure was performed due to mesenteric ischemia in three patients (2 males, 1 female; range, 50 to 65 years), following left renal artery injury in one female patient (aged 67 years), and due to a pancreatic tumor in another female patient (aged 57 years), which required a bypass to the hepatic artery. During follow-up, no early mortality was observed.

Conclusion: Bypass procedures on intra-abdominal visceral arteries yield successful outcomes in treating arterial stenosis causing mesenteric ischemia, as part of hybrid treatments for aortic pathologies, and in abdominal surgeries requiring revascularization.

Keywords: Abdominal aortic aneurysm, endovascular aneurysm repair, occlusive mesenteric ischemia.

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