

**Surgical Treatment of Splenic Artery Pseudoaneurysm with Digestive Tract Communication
– Presentation of Two Cases**

Mihai Adrian Eftimie, Oana Maria Stanciulea, Leonard David, Vasile Lungu, Simona Dima,
Iulian Mosteanu, Luiza Tirca, Irinel Popescu
Center for General Surgery and Liver Transplantation “Dan Setlacec”, Fundeni Clinical Institute,
Bucharest, Romania

Abstract

Splenopancreatectomy performed for pancreatic pseudo-cyst with splenic artery pseudo-aneurysm and communication with the digestive tract (stomach or colon) is a very rare indication and a small number of these procedures are described in literature. Managing peri-pancreatic pseudo-aneurysm is complex and can be challenging. Surgical treatment is of curative intent and can involve multiple visceral resections. Surgery can be performed in an emergency setting, if the patient presents cataclysmic bleeding, or in a planned manner if the pseudo-aneurysm is discovered incidentally or if the patient manages to overcome the initial bleeding. In this paper we present two cases of pancreatic pseudo-cysts with splenic artery pseudo-aneurysms and communication with the digestive tract (one with pseudo-cystic-colonic communication and the other one with gastric communication). Both patients were males, suffered from chronic pancreatitis and were known to have pancreatic pseudo-cysts. For the treatment of the first patient, surgery was performed in an elective setting, after intensive investigations. The other patient presented with cataclysmic bleeding and emergency surgery was performed in order to control the bleeding. We conclude that surgery remains the main option of treatment for these patients. It can be used as a first line of treatment or secondary to endovascular procedures.

Key words: spleno-pancreatectomy, pseudo-aneurysm, splenic artery, pancreatic resection