

BIS Covered Biliary Stent Clinical Evidence Update

Endoscopic treatment of anastomotic biliary complications after liver transplantation using removable, covered, self-expandable metallic

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- The aim of this study was to analyse therapy outcome of post-LT anastomotic complications using cSEMS
- Seventeen post-LT patients had 29 cSEMS (Allium stent, n = 23; Wallstent[®], n = 4; Micro-Tech, n = 2) placed during endoscopic retrograde cholangiopancreatography (ERCP)
- The fully covered stents (Allium, Micro-Tech) were placed entirely inside the common bile duct. Data were collected and analysed in a retrospective manner
- These 17 patients had 19 stent treatment periods. Resolution was eventually established in all patients. There were four (14%) stent migrations. Migration occurred in 1/23 Allium BIS cSEMS, 3/4 Wallstent and 0/2 Micro-Tech stents
- Pancreatitis was seen after one ERCP procedure, whereas five cases of cholangitis were seen
- Treatment of post-LT anastomotic complications with cSEMS seems to be both safe and efficient. Further assessment regarding indications, stent types and stenting time is needed