

Table S1 Search strategy

Pubmed	<p>pancreatic fluid collection OR peripancreatic-fluid-collection OR PFC OR Pancreatic-fluid-collection* OR peripancreatic-fluid-collection*</p> <p>OR</p> <p>walled-off-pancreatic-necros* OR WOPN OR walled-off-necros* OR WON OR necrotic-collection* OR cystic-collection*</p> <p>OR</p> <p>pancreatic pseudocyst [Mesh] OR Pancreatic Pseudocysts OR Pseudocyst, Pancreatic OR Pseudocysts, Pancreatic</p> <p>AND</p> <p>Lumen-apposing-metal-stent* OR lumen-apposing metallic-stent* OR lumen-apposing-stent* OR LAMS OR lumen-apposing-self-expandable-metallic-stent* OR lumen-apposing-self-expandable-metal-stent* OR AXIOS OR metal stent* OR Stents [Mesh] OR Stent</p>
Embase	<p>'pancreas pseudocyst'/exp OR 'pancreas abscess'/exp OR Pancreatic-fluid-collection* OR walled-of-pancreatic-necros* OR WOPN OR pancreatic-abscess* OR peripancreatic-fluid-collection*</p> <p>OR</p> <p>((Pancreas OR pancreatic OR intrapancreatic OR peripancreatic) AND (pseudocyst* OR walled-of-necros* OR WON OR necrotic-collection* OR cystic-collection*))</p>

AND

Lumen-apposing-metal-stent* OR lumen-apposing metallic-stent* OR lumen-apposing-stent* OR LAMS OR lumen-apposing-self-expandable-metallic-stent* OR lumen-apposing-self-expandable-metal-stent* OR LASEMS OR self-expandable-metal-stent* OR self-expandable-metallic-stent* OR self-expanding-metal stent* OR self-expanding-metallic-stent* OR AXIOS

Medline

Lumen-apposing-metal-stent* [tiab] OR lumen-apposing metallic-stent* [tiab] OR metal stent* [tiab] OR stent* [tiab] OR LAMS [tiab] OR AXIOS [tiab]

AND

pancreatic fluid collection [tiab] OR peripancreatic-fluid-collection [tiab] OR PFC OR Pancreatic-fluid-collection* [tiab] OR peripancreatic-fluid-collection* [tiab]

Cochrane

pancreatic fluid collection OR peripancreatic-fluid-collection OR PFC OR Pancreatic-fluid-collection* OR peripancreatic-fluid-collection*

OR

walled-off-pancreatic-necros* OR WOPN OR walled-off-necros* OR WON OR necrotic-collection* OR cystic-collection*

OR

pancreatic pseudocyst [Mesh] OR Pancreatic Pseudocysts OR Pseudocyst, Pancreatic OR Pseudocysts, Pancreatic

AND

Lumen-apposing-metal-stent OR lumen-apposing metallic-stent OR LAMS OR AXIOS

Table S2 Adverse events rate of Lumen-Apposing Metal Stents (LAMS)

Complications	N (%)
Infection/Occlusion	66 (7.2%)
Bleeding	47 (5.1%)
Migration	23 (2.5%)
Perforation	10 (1.1%)
Stent dislodgement/displacement/misplacement	10 (1.1%)
Abdominal pain	5 (0.5%)
Unplanned endoscopy	5 (0.5%)
Additional percutaneous drain	4 (0.4%)
Stricture	3 (0.3%)
Buried stent	2 (0.2%)
Partially embedded stent	2 (0.2%)
Pneumoperitoneum	2 (0.2%)
Others	6 (0.7%)
Total	185(20.0%)

Table S3 Major adverse events of the meta-analysis

Author, year, country	Bleeding		Infection/Occlusion		Migration	
	LAMS	Plastic stent	LAMS	Plastic stent	LAMS	Plastic stent
Lang GD et al. ¹⁴ , 2017, USA	4/19	1/84	-	-	-	-
Siddiqui AA et al. ¹⁰ , 2016, USA	6/86	2/106	4/86	28/106	0/86	3/106
Brimhall B et al. ¹³ , 2018, USA	15/97	5/152	2/97	6/152	-	-
Bang JY et al. ²⁶ , 2016, USA	-	-	2/20	5/40	2/20	1/40
Bang JY et al. ¹² , 2018, USA	4/31	0/29	-	-	1/31	2/29
Total	29/233	8/371	8/203	39/298	3/137	6/175

LAMS, Lumen-Apposing Metal Stents