

Citation matrices for meta-analyses with overlapping associations

1. Pancreatoduodenectomy -- pancreatic duct occlusion vs. pancreatic anastomosis

Meta-analysis	Andrea Chierici, 2022	Mariano C. Giglio, 2020
Overlapping associations	Pancreatoduodenectomy -- pancreatic duct occlusion vs. pancreatic anastomosis	
Individual study		
Papachristou (1980)	√	√
Rovati (1984)	√	×
Ahren (1990)	×	√
Marczell (1992)	√	√
Marcus (1995)	√	√
Di Carlo (1998)	×	√
La Guardia (1999)	×	√
Tran (2002)	√	√
Theodosoupoulos (2003)	√	×
Felekouras (2004)	√	√
Farsi (2007)	√	√
Benzoni (2008)	√	√
Tersigni (2014)	√	√
Mezza (2015)	√	√
Alfieri (2016)	×	√
Mauriello (2016)	×	√
Gonzalez-Heredia (2018)	√	√
Mazzaferro (2019)	√	√
Total No. of publications/meta-analysis	13	16
Grand Total (N)	29	
Rows (r)	18	
Columns (c)	2	
Corrected covered area (CCA)%	61.11%	
AMSTAR-2 overall quality	Low	Critically Low
Decision to retain (Yes or No)	Yes	No
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

2. Pancreatoduodenectomy -- Pancreatogastrostomy vs. pancreatojejunostomy

Meta-analysis	Yun Jin , 2019	Xin Xin Wang, 2021
Overlapping associations	Pancreatoduodenectomy -- Pancreatogastrostomy vs pancreatojejunostomy	
Individual study		
Yeo (1995)	√	√
Duffas (2005)	√	√
Bassi (2005)	√	√
Fernandez-Cruz (2008)	×	√
Bassi (2008)	√	×
Wellner UF (2012)	√	√
Wang (2012)	√	×
Topal (2013)	√	√
Figueras (2013)	√	√
Grendar (2014)	√	√
El Nakeeb (2014)	√	√
Keck (2016)	√	√
Total No. of publications/meta-analysis	11	10
Grand Total (N)	21	
Rows (r)	12	
Columns (c)	2	
Corrected covered area (CCA)%	75.00%	
AMSTAR-2 overall quality	Low	Low
Decision to retain (Yes or No)	Yes	No
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

3. Pancreatoduodenectomy -- robot-assisted vs. open

Meta-analysis	Mauro Podda, 2020	Wei Zhang, 2021
Overlapping associations	Pancreatoduodenectomy -- robot-assisted vs. open	
Individual study		
Hammill (2010)	√	×
Buchs (2011)	√	√
Zhou (2011)	√	√
Chalikonda (2012)	√	√
Lai (2012)	√	√
Bao (2014)	√	√
Baker (2015)	√	×
Chen (2015)	√	×
Girgis (2016)	√	×
McMillan (2016)	√	√
Zureikat (2016)	√	×
Boggi (2016)	×	√
Napoli (2017)	√	×
Zimmerman (2017)	√	×
Kauffmann (2018)	√	×
Kim (2018)	√	√
Klompaker (2018)	√	×
Varley (2018)	√	×
Wang (2018)	√	×
Kauffmann (2019)	×	√
Cai (2019)	×	√
Marino (2019)	×	√
Ielpo (2019)	×	√
Jin J (2019)	×	√
Tan (2019)	×	√
Baimas-George (2020)	×	√
Gall (2020)	×	√
Mejia (2020)	×	√
Shi (2020)	×	√
Total No. of publications/meta-analysis	18	18
Grand Total (N)	36	
Rows (r)	29	
Columns (c)	2	
Corrected covered area (CCA)%	24.13%	
AMSTAR-2 overall quality	Critically Low	Low
Decision to retain (Yes or No)	No	Yes
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

4. Pancreatoduodenectomy -- laparoscopic vs. open

Meta-analysis	Yong Yan, 2023	Claudio Ricci, 2023	Shahab Aldin Sattari, 2022	Frederique L. Vissers, 2022
Overlapping associations	Pancreatoduodenectomy -- laparoscopic vs. open			
Individual study				
Palanivelu (2017)	√	√	√	√
Poves (2018)	√	√	√	√
van Hilst (2019)	√	√	√	√
Wang (2021)	√	√	√	×
Ammori (2020)	√	×	×	×
Asbun (2012)	√	×	×	×
Chen (2021)	√	×	×	×
Chen (2018)	√	×	×	×
Choi (2020)	√	×	×	×
Chopinet (2018)	√	×	×	×
Conrad (2017)	√	×	×	×
Croome (2014)	√	×	×	×
Dang (2021)	√	×	×	×
Delitto (2016)	√	×	×	×
Ding (2021)	√	×	×	×
Dokmak (2014)	√	×	×	×
El Nakeeb (2020)	√	×	×	×
Han (2020)	√	×	×	×
Kantor (2017)	√	×	×	×
Katsuki (2021)	√	×	×	×
Khaled (2018)	√	×	×	×
Kuesters (2018)	√	×	×	×
Lee (2018)	√	×	×	×
Mazzola (2021)	√	×	×	×
Mendoza (2015)	√	×	×	×
Meng (2018)	√	×	×	×
Mesleh (2013)	√	×	×	×
Senthilnathan (2015)	√	×	×	×
Shin (2019)	√	×	×	×
Song (2015)	√	×	×	×
Stauffer (2016)	√	×	×	×
Tan (2015)	√	×	×	×
Tan (2019)	√	×	×	×
Tee (2015)	√	×	×	×
Tran (2016)	√	×	×	×
Xourafas (2018)	√	×	×	×
Yoo (2020)	√	×	×	×
Zhang (2022)	√	×	×	×

Zhou (2019)	√	×	×	×
Total No. of publications/meta-analysis	39	4	4	3
Grand Total (N)	50			
Rows (r)	39			
Columns (c)	4			
Corrected covered area (CCA)%	9.40%			
AMSTAR-2 overall quality	Low	Low	Low	Low
Decision to retain (Yes or No)	Yes	No	No	No
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]				

5. Pancreatoduodenectomy-- enteral nutrition versus parenteral nutrition after surgery

Meta-analysis	Alfred Adiamah, 2019	Yi-Kun Kang, 2019
Overlapping associations	Pancreatoduodenectomy-- enteral nutrition versus parenteral nutrition after surgery	
Individual study		
Di Carlo (1999)	×	√
Gianotti (2000)	√	×
Wen (2007)	×	√
Liu (2011)	√	√
Park (2012)	√	√
Zhan (2012)	×	√
Guo (2013)	√	√
Perinel (2016)	√	×
Yao (2016)	×	√
Total No. of publications/meta-analysis	5	7
Grand Total (N)	12	
Rows (r)	9	
Columns (c)	2	
Corrected covered area (CCA)%	33.33%	
AMSTAR-2 overall quality	Low	Critically Low
Decision to retain (Yes or No)	Yes	No
Formula of CAA, CCA (%) = $\frac{N-r}{rc-r}$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

6. Distal pancreatectomy -- reinforcement vs. standard stapler

Meta-analysis	Hani Oweira, 2022	Beshoy Effat Elkomos, 2022
Overlapping associations	Distal pancreatectomy -- reinforcement vs. standard stapler	
Individual study		
Jimenez (2007)	√	×
Johnston (2009)	×	√
Hamilton (2012)	×	√
Wallace (2013)	√	×
Jang (2017)	×	√
Hayashibe and Ogino (2018)	×	√
Kawaida (2019)	√	√
Kondo (2019)	√	√
Miyamoto (2019)	√	×
Goh (2021)	√	×
Wennerblom (2021)	√	√
Total No. of publications/meta-analysis	7	7
Grand Total (N)	14	
Rows (r)	11	
Columns (c)	2	
Corrected covered area (CCA)%	27.27%	
AMSTAR-2 overall quality	Moderate	Low
Decision to retain (Yes or No)	Yes	No
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

7. Distal pancreatectomy (Radical antegrade modular pancreatosplenectomy) -- laparoscopic vs. open

Meta-analysis	Wei Tang, 2022	Eric Jinyi Wu, 2022
Overlapping associations	Distal pancreatectomy (Radical antegrade modular pancreatosplenectomy) -- laparoscopic vs. open	
Individual study		
Lee (2014)	×	√
Kawabata (2020)	√	√
Rosso (2020)	√	×
Zhang (2020)	√	√
Hirashita (2021)	√	√
Huang (2021)	√	√
Total No. of publications/meta-analysis	5	5
Grand Total (N)	10	
Rows (r)	6	
Columns (c)	2	
Corrected covered area (CCA)%	66.67%	
AMSTAR-2 overall quality	Low	Critically Low
Decision to retain (Yes or No)	Yes	No
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

8. Distal Pancreatectomy -- splenic preservation vs. splenectomy

Meta-analysis	Weidong Xiao, 2016	Kohei Nakata, 2018
Overlapping associations	Distal Pancreatectomy -- splenic preservation vs. splenectomy	
Individual study		
Richardson (1989)	√	×
Aldridge (1991)	√	×
Benoist (1999)	√	×
Govil (1999)	√	×
Schoenberg (1999)	√	×
Carrere (2007)	√	×
Pierce (2007)	√	×
Fernandez-Cruz (2008)	√	√
Lee (2008)	√	×
Nau (2009)	√	√
Mekeel (2011)	√	√
Beane (2011)	√	×
Tezuka (2012)	√	×
Choi (2012)	√	√
Zhao (2012)	×	√
Tang (2013)	√	×
Dumitrascu (2014)	√	×
Han (2014)	√	√
Kang (2014)	×	√
Worhunsky (2014)	×	√
Jiang (2015)	×	√
Kawaguchi (2015)	√	√
Malleo (2015)	×	√
Kwon (2016)	×	√
Nakamura (2016)	×	√
Panda (2016)	×	√
Dai (2017)	×	√
Total No. of publications/meta-analysis	18	15
Grand Total (N)	33	
Rows (r)	27	
Columns (c)	2	
Corrected covered area (CCA)%	22.22%	
AMSTAR-2 overall quality	Critically Low	Low
Decision to retain (Yes or No)	No	Yes
Formula of CAA, CCA (%) = $N-r / rc-r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		

9. Central Pancreatectomy -- Central Pancreatectomy vs. distal pancreatectomy

Meta-analysis	Parbatraj Regmi, 2020	Minnea P. Dragomir, 2019	Shiyuan Bi, 2023
Overlapping associations	Central Pancreatectomy -- Central Pancreatectomy vs. distal pancreatectomy		
Individual study			
Yamaguchi (2000)	√	√	√
Falconi (2001)	×	√	√
Balzano (2003)	√	√	√
Su (2004)	√	√	×
Shibata (2004)	√	√	×
Müller (2006)	√	√	√
Pratt (2006)	×	√	×
Crippa (2007)	√	√	√
Ocuin (2008)	√	√	√
Hirono (2009)	√	√	√
Cataldegirmen (2010)	√	√	√
DiNorcia (2010)	√	√	√
Lee (2010)	√	√	√
Shikano (2010)	√	√	√
Kang (2011)	√	√	√
Dumitrascu (2012)	√	√	√
Xiang (2012)	√	√	√
Du (2013)	√	√	√
Zhan (2013)	√	×	√
Zureikat (2013)	√	×	√
Song (2014)	√	√	√
Mise (2014)	√	×	×
Herrera-Cabezón (2015)	√	×	√
Jilesen (2015)	√	×	×
Boggi (2016)	√	×	×
Dokmak (2017)	√	√	√
Lv (2017)	×	√	√
Zhang (2019)	×	×	√
Chen (2019)	×	×	√
Lee (2020)	×	×	√
Shi (2021)	×	×	√
Cai (2021)	×	×	√
Total No. of publications/meta-analysis	24	21	26
Grand Total (N)	71		
Rows (r)	32		
Columns (c)	3		
Corrected covered area (CCA)%	60.94%		

AMSTAR-2 overall quality	Critically Low	Critically Low	Low
Decision to retain (Yes or No)	No	No	Yes
Formula of CAA, CCA (%) = $N - r / rc - r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]			

10. Enucleation vs. Standard Surgical Resection for Pancreatic Neoplasms

Meta-analysis	F J Hüttner, 2015	Xiaoying Shen, 2022
Overlapping associations	Enucleation vs. Standard Surgical Resection for Pancreatic Neoplasms	
Individual study		
Talamini (1998)	√	√
Balzano (2003)	√	√
Kiely (2003)	√	√
Cruz (2007)	√	√
Luo (2009)	√	√
Casadei (2010)	√	√
Hackert (2011)	√	√
Haugvik (2012)	×	√
Cauley (2012)	√	√
Cherif (2012)	√	√
Zhang (2012)	√	√
Jilesen (2015)	×	√
Sahakyan (2017)	×	√
Wang (2018)	×	√
Weilin (2019)	×	√
Najafi (2020)	×	√
Heidsma (2020)	×	√
Altimari (2021)	×	√
Chen (2021)	×	√
Yang (2021)	×	√
Correnti (1996)	√	×
Marubayashi (1998)	√	×
Shimizu (2004)	√	×
Pierce (2007)	√	×
Casanova (2007)	√	×
Goh (2009)	√	×
Jablonska (2011)	√	×
Hwang (2012)	√	×
Haugvik (2013)	√	×
Bassi (2003)	√	×
Turrini (2011)	√	×
Busquets (2010)	√	×
Total No. of publications/meta-analysis	22	20
Grand Total (N)	42	
Rows (r)	32	
Columns (c)	2	
Corrected covered area (CCA)%	31.25%	
AMSTAR-2 overall quality	Critically Low	Low

Decision to retain (Yes or No)	No	Yes
Formula of CAA, CCA (%) = $N - r / rc - r$. [N = number of included publications; r = number of rows (Individual publications); c = number of columns (number of meta-analyses)]		