

Supplemental file 1-Quality assessment rating for surgery studies

Modified Down and Black Quality Assessment Rating

CRITERIA				STUDY																
	Juárez Muas DM 2018[1]	Kockerling F 2017[2]	Emanuelsson P 2016[3]	Gallus KM 2016[4]	Kockerling F 2016[5]	Privett 2016[6]	BJ	Shirah 2016[7]	BH	Bellido 2015[8]	LJ	Verissimo P 2014[9]	Kanjoor JR 2012[10]	Tadiparthi S 2012[11]	Rosen 2012[12]	A	Pechter EA 2010[13]			
REPORTING																				
1	1	1	1	1	1	1		1		1		1	1		1		1			
2	1	1	1	1	1	1		1		1		1	1		1		1			
3	0	1	1	0	0	0		1		0		1	1		1		1			
4	1	1	0	0	1	1		0		1		1	0		0		1			
5	1	0	1	1	0	0		0		2		1	1		1		0			
6	0	1	1	1	1	1		1		1		1	1		1		1			
7	1	0	1	0	0	0		0		0		1	0		0		0			
8	1	1	1	1	1	0		1		1		0	1		0		1			
9	0	0	1	0	1	0		1		0		0	0		1		0			
10	0	0	1	0	0	0		0		1		1	0		1		0			
Total (11)	6/11	6/11	9/11	5/11	6/11	4/11		6/11		8/11		8/11	6/11		6/11		7/11			
11	0	1	0	0	1	0		0		0		0	0		0		0			
12	0	0	1	0	0	0		1		0		0	0		0		1			
13	0	1	0	1	1	0		1		0		0	0		0		1			
Total (3)	0/3	2/3	1/3	1/3	2/3	0/3		2/3		0/3		0/3	0/3		0/3		2/3			
14	1	0	0	0	0	0		0		0		0	0		0		1			
15	0	0	0	0	0	0		0		1		0	0		0		0			
16	1	0	1	0	0	0		1		1		1	0		1		1			
17	1	1	1	1	0	0		0		1		1	0		1		1			
18	1	0	1	0	1	0		1		1		1	0		1		0			
19	0	1	1	1	1	1		1		1		0	1		1		1			
20	1	0	1	1	1	0		1		1		1	0		1		1			
Total (7)	5/7	2/7	5/7	3/7	3/7	1/7		4/7		5/7		4/7	1/7		5/7		3/7			
21	1	1	1	0	1	0		1		1		1	0		0		1			
22	1	1	1	0	1	0		1		1		0	1		0		0			
23	0	0	1	0	0	0		0		0		0	0		0		1			

24	0	0	0	0	0	0	0	0	0	0	0	0	0
25	0	1	1	1	0	1	0	1	1	1	1	0	1
26	0	0	0	0	1	0	1	0	0	0	0	1	1
Total (6)	2/6	3/6	4/6	1/6	3/6	1/6	3/6	3/6	2/6	2/6	1/6	3/6	2/6
27	0	0	1	0	0	0	0	0	0	0	1	0	0
Total (1)	0/1	0/1	1/1	0/1	0	0/1	0	0/1	0/1	0/1	1/1	0/1	0
Total(28)	13/28	13/28	20/28	10/28	14/28	6/28	15/28	16/28	14/28	9/28	13/28	14/28	14/28

Continue

CRITERIA	STUDY														
	Siddiky AH 2010[14]	Brauman D2009[15]	Palanivelu C2009[16]	Batchvarova Z 2008[17]	Dabb RW 2004[18]	Nahas FX 2004[19]	Cardenas Restrepo JC 2002[20]	Ferreira LM 2001[21]	Nahas FX2001 [22]	Nahas FX2001 [23]	van Uchelen JH 2001[24]	Ramirez OM2000[25]	Zukowski ML 1998[26]	Asaadi M1994 [27]	
REPORTING															
1	1	1	1	1	1	1	1	1	1	1	1	1	1	1	
2	1	1	0	1	1	1	1	1	1	1	1	1	1	1	
3	1	1	1	1	0	0	0	0	1	1	1	0	0	0	
4	1	0	0	0	1	0	0	0	1	0	1	1	1	0	
5	0	0	0	0	0	1	0	1	1	1	1	1	1	1	
6	1	1	1	1	1	0	0	1	1	1	1	1	1	1	
7	0	0	0	0	0	1	1	0	1	0	1	0	0	0	
8	1	1	1	1	1	0	0	1	1	1	1	1	1	1	
9	0	0	0	0	0	1	0	0	0	0	0	1	1	0	
10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
Total (11)	6/11	5/11	4/11	5/11	4/11	5/11	3/11	5/11	8/11	5/11	8/11	7/11	7/11	5/11	
11	0	0	0	0	0	0	0	0	0	1	0	0	0	0	
12	1	0	0	0	0	1	0	0	0	0	0	1	0	0	
13	1	0	0	0	0	1	0	1	1	1	1	1	1	0	
Total (3)	2/3	0/3	0/3	0/3	0/3	2/3	0/3	1/3	1/3	2/3	1/3	2/3	1/3	0/3	
14	0	0	0	0	0	1	0	0	0	1	1	0	0	0	
15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	

16	1	1	0	0	0	0	1	0	1	0	0	1	1	0
17	1	1	1	1	0	1	0	1	1	1	1	1	1	0
18	0	0	0	0	0	0	0	0	0	0	1	0	0	0
19	1	1	0	1	1	1	1	1	1	0	0	1	1	1
20	0	1	0	1	0	1	0	0	1	0	1	1	1	0
Total (7)	3/7	4/7	1/7	3/7	1/7	4/7	2/7	2/7	4/7	2/7	4/7	4/7	4/7	1/7
21	1	0	0	0	0	1	1	0	1	1	0	0	0	0
22	1	0	1	0	0	0	0	0	1	0	0	0	0	0
23	0	0	0	0	0	0	0	0	1	0	0	0	0	1
24	0	0	0	0	0	1	1	0	0	0	1	0	0	0
25	1	1	0	1	1	0	0	0	1	1	0	0	0	0
26	0	0	0	0	0	0	0	1	0	0	0	1	1	1
Total (6)	3/6	1/6	1/6	1/6	1/6	2/6	2/6	1/6	3/6	2/6	1/6	1/6	1/6	2/6
27	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Total (1)	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1	0/1
Total(28)	14/28	10/28	6/28	9/28	6/28	9/28	7/28	8/28	16/28	11/28	14/28	14/28	13/28	8/28