

Supplementary Table 1 Sensitivity analysis

Outcomes of interest	Sensitivity analysis				
	Excluded study	OR	95%CI	I ² (%)	P value
Induction of response	Zorzi 2012	1.16	(0.83, 1.63)	0	0.38
	Tursi 2014	1.26	(0.92, 1.73)	0	0.16
	Narula 2016	1.39	(0.94, 2.04)	0	0.10
	Benmassaoud 2018	1.26	(0.90, 1.75)	0	0.17
	Macaluso 2019	1.36	(0.89, 2.08)	0	0.16
Induction of remission	Zorzi 2012	1.43	(0.62, 3.31)	0	0.81
	Varma 2016	1.08	(0.76, 1.55)	0	0.66
	Narula 2016	1.19	(0.72, 1.98)	0	0.50
	Doecke 2017	1.15	(0.77, 1.73)	0	0.49
Maintenance of response	Zorzi 2012	1.08	(0.73, 1.61)	64	0.68
	Kestens 2013	1.13	(0.75, 1.72)	63	0.56
	Cosnes 2016	1.26	(0.97, 1.64)	3	0.08
	Narula 2012	1.37	(0.79, 1.55)	60	0.87
	Benmassaoud 2018	0.99	(0.71, 1.38)	50	0.96
	Kaniewska 2019	1.12	(0.77, 1.63)	62	0.57
	Macaluso 2019	1.00	(0.68, 1.48)	51	0.98
Maintenance of remission	Zorzi 2012	0.99	(0.60, 1.62)	63	0.96
	Varma 2016	1.32	(0.88, 1.98)	29	0.19
	Narula 2016	1.25	(0.75, 2.08)	34	0.40
	Otake 2017	1.17	(0.84, 1.63)	0	0.34
	Benmassaoud 2018	1.16	(0.76, 1.75)	20	0.50
	Kaniewska 2019	1.44	(1.00, 2.07)	0	0.05

Secondary loss of response	Zorzi 2012	0.99	(0.61,1.63)	63	0.98
	Ma 2014	0.87	(0.53,1.45)	53	0.60
	Narula 2016	1.30	(0.98,1.73)	0	0.07
	Cosnes 2016	0.88	(0.51,1.54)	57	0.66
	Otake 2017	1.09	(0.70,1.69)	55	0.71
	Benmassaoud 2018	0.96	(0.56,1.66)	63	0.89
Overall adverse events	Kestens 2013	0.57	(0.37,0.87)	51	0.009
	Narula 2016	0.58	(0.37,0.93)	54	0.02
	Varma 2016	0.61	(0.40,0.93)	60	0.02
	Bau 2017	0.56	(0.37,0.85)	50	0.006
	Otake 2017	0.63	(0.42,0.94)	59	0.002
	Benmassaoud 2018	0.66	(0.42,1.02)	57	0.06
	Macaluso 2019	0.76	(0.57,1.01)	0	0.06
Severe adverse events	Kaniewska 2019	0.62	(0.40,0.97)	60	0.03
	Zorzi 2012	1.00	(0.49,2.05)	62	0.99
	Tursi 2014	0.78	(0.32,1.92)	77	0.59
	Varma 2016	0.72	(0.29,1.81)	77	0.49
	Narula 2016	0.57	(0.18,1.78)	61	0.33
	Cosnes 2016	0.74	(0.21,2.68)	68	0.65
	Bau 2017	0.59	(0.25,1.39)	72	0.23
Opportunistic infection	Kaniewska 2019	0.75	(0.32,1.72)	72	0.49
	Kestens 2013	0.88	(0.32,2.38)	28	0.94
	Tursi 2014	0.95	(0.62,1.44)	23	0.80
	Narula 2016	1.05	(0.60,1.85)	20	0.86
	Bau 2017	0.80	(0.55,1.16)	0	0.24
	Benmassaoud 2018	0.97	(0.62,1.52)	29	0.89
	DiDomenicantonio 2018	1.04	(0.73,1.47)	0	0.85

OR: Odds ratio; CI: Confidence interval.

Supplementary Table 2 Subgroup analysis for perianal involvement

Outcomes of interest	Categories	No of studies(n)	No of Patients(n)	OR	95%CI	I² (%)	P value
Induction response	of More	2	406	1.13	(0.69,1.84)	0	0.63
	Equal	3	634	11.4	(0.93,2.10)	12	0.11
Induction remission	of More	2	392	1.08	(0.68,1.72)	0	0.73
	Equal	2	420	1.11	(0.78,1.57)	0	0.62
Maintenance response	of More	3	953	0.91	(0.69,1.21)	79	0.53
	Equal	4	875	1.02	(0.83,1.25)	0	0.37
Maintenance remission	of More	3	442	1.39	(0.92,2.10)	0	0.11
	Equal	3	328	1.11	(0.68,1.79)	53	0.69
Secondary loss response	of More	3	953	1.12	(0.86,1.45)	72	0.81
	Equal	3	354	1.27	(0.81,1.99)	41	0.29
Overall adverse events	More	3	663	0.66	(0.45,0.96)	0	0.03
	Equal	5	990	0.55	(0.41,0.74)	68	< 0.0001
Severe adverse events	More	3	1021	0.80	(0.58,1.10)	73	0.17
	Equal	4	526	0.44	(0.19,1.02)	81	0.06
Opportunistic infections	More	2	582	0.84	(0.54,1.32)	0	0.45
	Equal	4	1328	1.11	(0.68,1.80)	40	0.68

OR: Odds ratio; CI: Confidence interval.

Supplementary Table 3 Subgroup analysis for bowel resection before and after treatment

Outcomes of interest	Categories	No of studies (n)	No of Patients (n)	OR	95%CI	I² (%)	P value
Induction response	Before	3	852	1.14	(0.80, 1.63)	0	0.46
	After	2	188	1.92	(0.96, 3.84)	0	0.07
Induction remission	Before	2	419	1.08	(0.68, 1.72)	0	0.75
	After	2	420	1.15	(0.67, 1.96)	0	0.62
Maintenance response	Before	4	1028	1.21	(0.92, 1.60)	0	0.17
	After	3	800	1.10	(0.50, 2.41)	72	0.81
Maintenance remission	Before	4	548	1.19	(0.68, 2.06)	40	0.55
	After	2	222	1.48	(0.83, 2.64)	0	0.18
Secondary loss of response	Before	3	507	0.74	(0.27, 2.04)	78	0.56
	After	3	800	1.27	(0.90, 1.81)	0	0.17
Overall adverse events	Before	7	1433	0.66	(0.42, 1.02)	57	0.06
	After	1	220	0.41	(0.18, 0.90)	NA	0.03
Severe adverse events	Before	5	876	1.44	(0.89, 2.33)	0	0.14
	After	2	671	0.21	(0.02, 2.24)	81	0.19
Opportunistic infections	Before	5	1690	0.97	(0.62, 1.52)	29	0.89
	After	1	220	0.93	(0.17, 5.18)	NA	0.93

OR: Odds ratio; CI: Confidence interval; NA: Not applicable.