Supplementary File 3

Table S3. Methodological appraisal of observational studies

Criteria													
	1	2	3	4	5	6	7	8	9	10	11	12	
Studies	Clear aim	Inclusion of consecutive patients	Prospectiv e data collection	Endpoi nts appropr iate to the aim	Unbias ed assessm ent of the endpoin t	Follow-up period appropriat e (minimum 2 years)	Follow- up loss less than 5%	Prosp ective calcul ation of the study size	Adequat e control group	Contem porary groups	Baselin e equival ence of groups	Adequate statistical analysis	Total
John et al 2010 [1]	2	2	1 ^a	2	2	2	0	0	NA	NA	NA	NA	11
Grano et al 2010 [2]	2	2	2	2	2	1	1	0	NA	NA	NA	NA	12
Yang et al 2016 [3]	2	2	2	2	0	2	1	0	NA	NA	NA	NA	11
Yeh et al 2014 [4]	2	2	1ª	2	$0_{\rm p}$	2	1	0	NA	NA	NA	NA	10
Yamataka et al 2009 [5]	2	2	2	2	2	1 ^c	1	0	2	0	1 ^d	2	17
Granstrom et al 2013 [6]	2	1	2	2	2	2	1	0	NA	NA	NA	NA	12

Hukkinen et al 2014 [7]	2	2	2	2	2	2	2	0	NA	NA	NA	NA	14
Roorda et al 2018 [8]	2	2	2	2	0	2	1	0	NA	NA	NA	NA	11
Levitt et al 2013 [9]	2	2	2	2	0	2	1	0	NA	NA	NA	NA	11
Sood et al 2018 [10]	2	1	2	2	2	$0_{\rm e}$	0	0	2	1	0^{f}	2	14
Khalil et al 2015 [11]	2	2	2	2	0	2	2	0	NA	NA	NA	NA	12
Meinds et al 2019 [12]	2	2	2	2	0^{g}	0	1	0	2	1	2	2	16
Mathias et al 2016 [13]	2	1	1	2	0	1	1	0	2	1	2	2	15
Lane et al 2016 [14]	2	2	2	2	0	2	2	0	NA	NA	NA	NA	12
Collins et al 2017 [15]	2	1	2	2	0	2	2	0	NA	NA	NA	NA	11
Aworanti et al 2012 [16]	2	2	2	2	0	2	2	0	NA	NA	NA	NA	12
Allin et al 2020 [17] ^h	2	2	2	2	0	2	2	0	NA	NA	NA	NA	12

Espeso et al 2020 [18]	2	1	2	2	0	1^{i}	0	1 ^j	1	2	1 ^k	2	15
Saysoo et al 2020 [19] ¹	2	2	2	2	0	2	2	0	NA	NA	NA	NA	12
Townley et al 2020[20]	2	1	2	2	2	2	1	1 ^j	2	1	2	2	20
Wong et al 2020[21]	2	2	2	2	0^{m}	2	1	1	2	1	1 ⁿ	2	18
Zhuansun et al 2020 [22]	2	1°	2	2	2	2	1	1 ^j	NA	NA	0	0	13

Note: Items 1 through 7 are for non-comparative, while 8 through 12 are for comparative studies.

^ano REB approval stated or protocol but their procedure is detailed.

^bThe staff who reviewed the charts the same as those who conducted the telephone interviews.

^cOnly 6-month follow up done but not for 2 years.

^dSimilar proportion of male vs. female in control and experimental groups.

^eProspective cohort study, but no follow-up.

^fNo table differentiating demographic variables or other confounders.

^gBlinding not mentioned.

^hNo proper comparison group. They examine affected length of bowel in the same cohort.

¹Mention that children and parents were followed-up but no median or mean follow-up value.

^jNo sample size or power calculated but detailed and appropriate statistical methods.

^kNo stat. difference in age at surgery, sex, resected length, type of surgery between participants versus non-participants but no indication if this comparison was made between children vs teens, teens vs parents, or parents vs children.

¹No comparator group. Just divided children into surgery types.

^mAll procedures were performed by the same team of surgeons but no mention of blinding for QoL questionnaire interview.

ⁿNo stat. difference in gender between cases vs controls but age is very different.

^oPatients excluded to minimize bias but the bias is unexplained.

Table S4. Cochrane Risk of Bias table for Wang et al 2015

Entry	Judgement	Support for judgement
Random sequence generation	Low Risk	"The patients were randomized to either control or
(selection bias)		intervention group (1:1) by using computer-
		generated random numbers."
Allocation concealment	Low Risk	"The results of the randomization were not revealed
(selection bias)		until the beginning of treatment and the group
		assignment was not known by the investigators who
		evaluated the outcome of the treatments and the
Dialisa Caratisia and a 1	T . D'.1	nursing program."
Blinding of participants and	Low Risk	"The results of the randomization were not revealed
personnel (performance bias)		until the beginning of treatment and the group assignment was not known by the investigators who
		evaluated the outcome of the treatments and the
		nursing program."
Blinding of outcome assessment	Unclear Risk	Comment: Investigators did not know the group
(detection bias) (patient-reported		assignment. However, it is unclear if patients did
outcomes)		know their assignment.
Incomplete outcome data	Low Risk	Comment: Intervention (n=43) and control group
(attrition bias)		(n=42) were similar in sample size. All patients
		were followed up for 6-12 months' time. Same list
		of outcomes were assessed for both intervention
		and control groups.
Selective reporting (reporting	High Risk	Comment: Outcomes such as social activities were
bias)		mentioned in discussion column but not pre-
		specified. Parental satisfaction was pre-specified
		however patient emotional satisfaction was not, but it was mentioned in the discussion.
		it was mentioned in the discussion.
		"The results of this study showed that the post-
		operative quality of life in most cases was good, but
		some individuals did exhibit reduced social
		activities and different degrees of inferiority in peer
		interactions."

Threshold for converting the Cochrane Risk of Bias Tool to AHRQ Standards (Good, Fair, and Poor)¹

Fair Quality: Selective reporting (reporting bias) was not met as it yielded "High Risk". With selective reporting domain, various outcomes were not pre-specified, however were mentioned in the discussion. As well, one or more outcomes such as social activities and patient behaviour/emotion were reported briefly thus unable to be incorporated into a meta-analysis.

¹Higgins JPT, Altman DG, Gøtzsche PC, et al. The Cochrane Collaboration's tool for assessing risk of bias in randomised trials. *BMJ*. 2011;343(7829):1-9. doi:10.1136/bmj.d5928