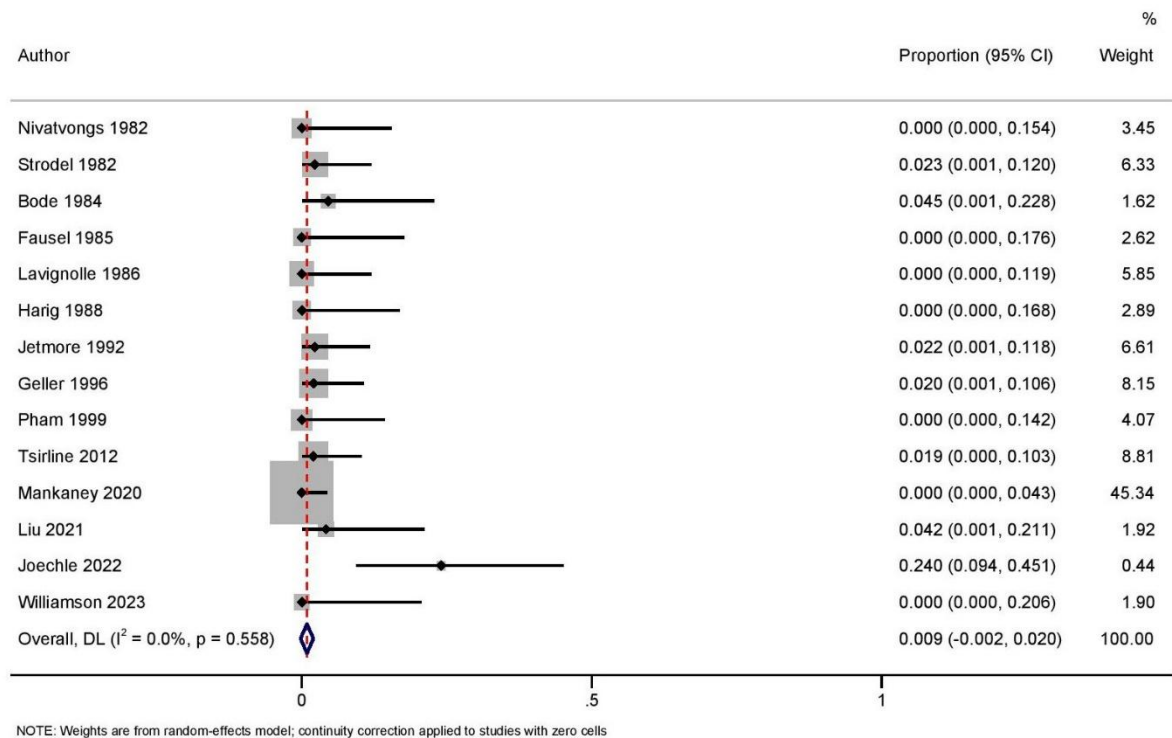


Supplementary Table 1 Study quality analysis using a modified Newcastle-Ottawa scale for cohort studies

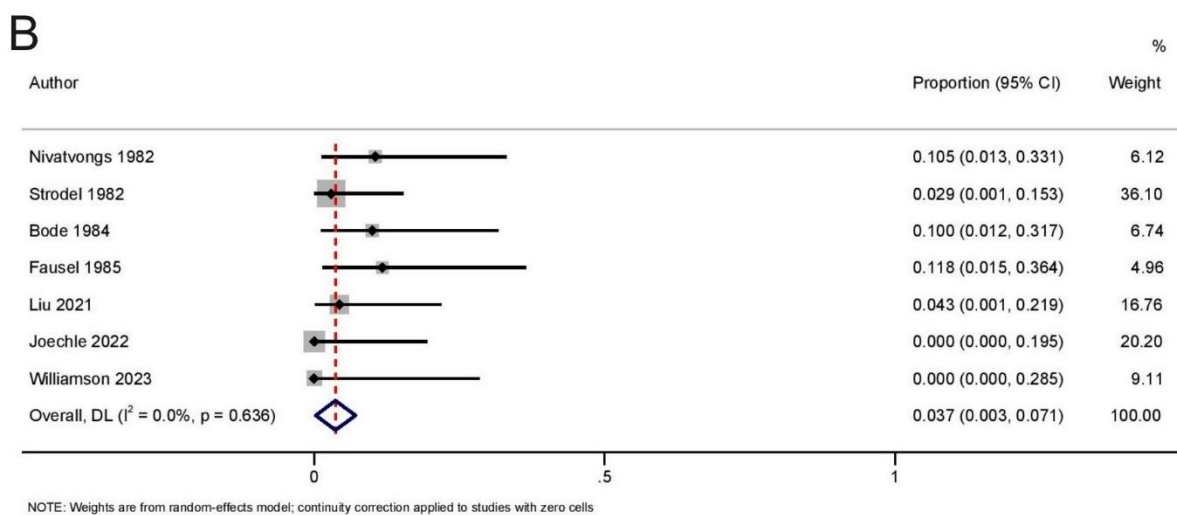
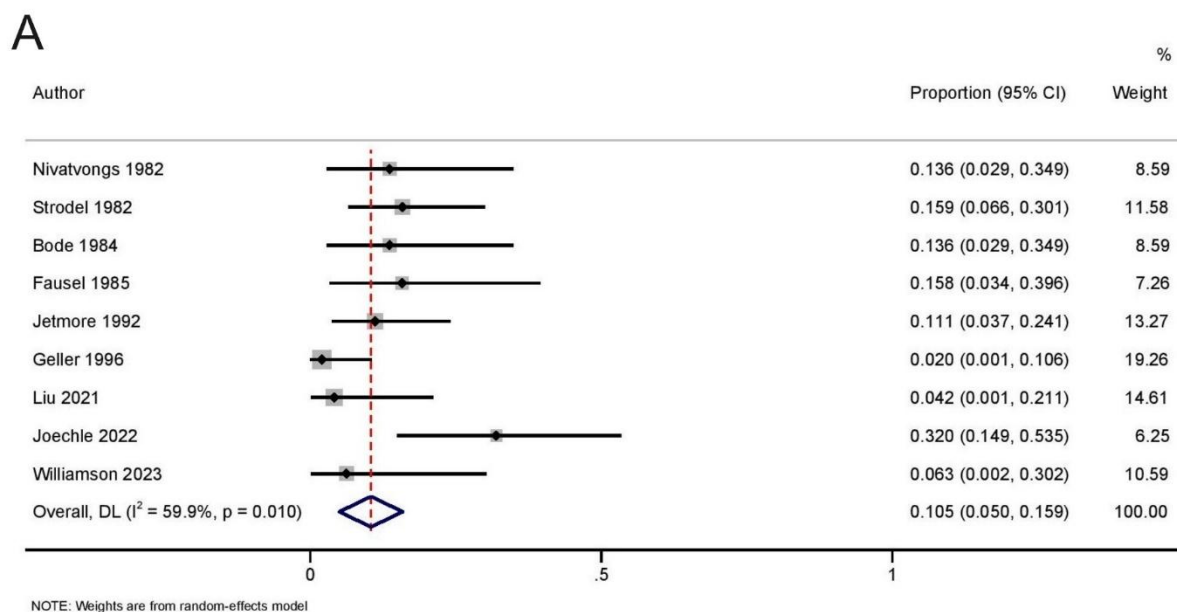
Study	Representative of the average adult in the community	Cohort size	Type of study	Definite information on technical and clinical success	Information reported on adverse events	Reporting of additional outcomes	Adequacy of follow-up	Total
	1-point, population-based studies; 0.5-point, multi-center studies; 0-point, single-center hospital-based study	1-point, > 50 patients; 0.5-point, 50-20 patients; 0-point, < 20 patients	1-point, Prospective; 0-point, Retrospective	1-point, reported with clarity; 0.5-point if value had to be derived; 0-point, not reported	1-point, adequate information reported; 0.5-point, partial 0-point, not reported	1-point, adequate information; 0.5-point, partial information; 0-point, not reported	1-point, all patients accounted for; 0.5-point, <50% not accounted for; 0-point, >50% not accounted for	Maximum, 7; high, > 5; medium 4-5; low, < 4
Nivatvongs 1982 ^[9]	0	0.5	0	1	1	1	1	4.5: medium
Strodel 1982 ^[10]	0	0.5	0	1	1	1	1	4.5: medium
Bode 1984 ^[11]	0	0.5	0	1	1	1	1	4.5: medium
Fausel 1985 ^[12]	0	0	0	1	1	1	1	4: medium
Lavignolle 1986 ^[13]	0	0.5	0	1	1	0.5	1	4: medium
Harig 1988 ^[14]	0	0.5	0	1	1	1	1	4.5: medium
Jetmore 1992 ^[15]	0	0.5	0	1	1	1	1	4.5: medium
Geller 1996 ^[16]	0	1	0	1	1	1	1	5: medium
Pham 1999 ^[17]	0	0.5	0	1	1	0	0	2.5: low
Tsirline 2012 ^[18]	0	1	0	1	1	0	0	3: low
Peker 2017 ^[19]	0.5	1	0	0.5	0	0	0	2: low
Zhao 2017 ^[20]	0.5	1	1	0.5	0	0	0	3: low
Mankaney 2020 ^[21]	0.5	1	0	0.5	1	1	1	5: medium
Liu 2021 ^[22]	0.5	0.5	0	1	1	0.5	1	4.5: medium
Joechle 2022 ^[23]	0	0.5	0	0.5	1	0.5	1	3.5: low
Williamson 2023 ^[24]	0	0	0	0.5	1	1	1	3.5: low

Supplementary Table 2 Egger's test for assessment of publication bias

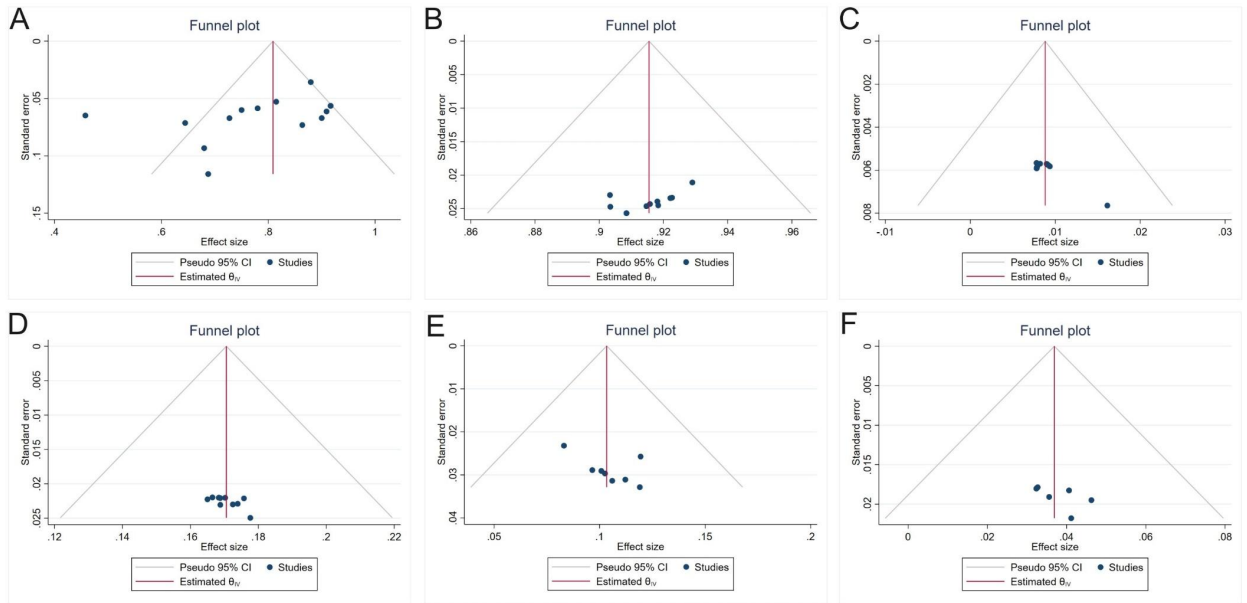
Outcome	$\beta 1$	SE of $\beta 1$	Z	Prob > z
Initial success	-3.14	2.042	-1.54	0.1243
Overall success	-3.92	5.530	-0.71	0.4783
Perforation	3.82	4.093	0.93	0.3501
Recurrence	2.85	8.724	0.33	0.7437
Surgery after colonoscopic decompression	2.20	3.161	0.69	0.4872
Surgery after successful procedure	2.57	5.999	0.43	0.6687



Supplementary Figure 1 Forest plot showing the pooled event rate for perforation after colonoscopic decompression in acute colonic pseudo-obstruction



Supplementary Figure 2: Forest plot showing the pooled event rate for surgery after (A) colonoscopic decompression (B) successful colonoscopic decompression in acute colonic pseudo-obstruction



Supplementary Figure 3 Funnel plot for assessment of publication bias for the outcomes of (A) initial success, (B) overall success, (C) perforation, (D) recurrence, (E) need for surgery, and (F) need for surgery after successful decompression.