Perforation

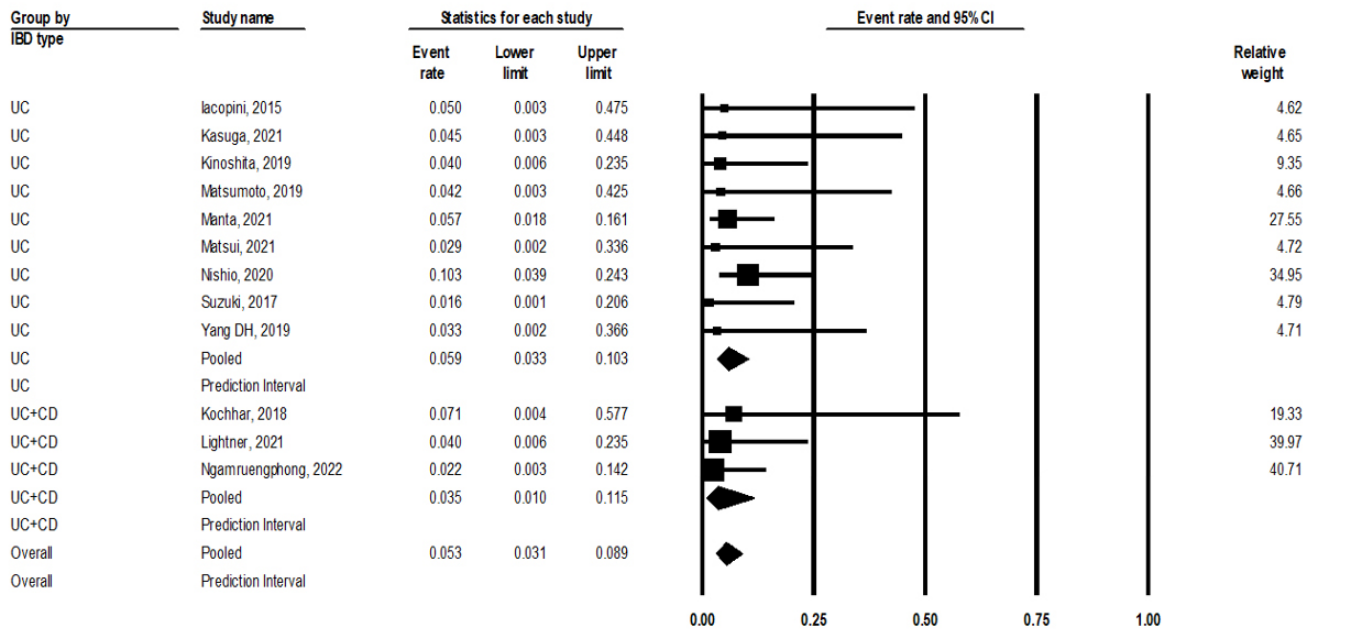| Group by IBD type	Study name	Event rate	Lower limit	Upper limit	Event rate and 95% CI	Relative weight
UC	Iacopini, 2015	0.050	0.003	0.475		4.62
UC	Kasuga, 2021	0.045	0.003	0.448		4.65
UC	Kinoshita, 2019	0.040	0.006	0.235		9.35
UC	Matsumoto, 2019	0.042	0.003	0.425		4.66
UC	Manta, 2021	0.057	0.018	0.161		27.55
UC	Matsui, 2021	0.029	0.002	0.336		4.72
UC	Nishio, 2020	0.103	0.039	0.243		34.95
UC	Suzuki, 2017	0.016	0.001	0.206		4.79
UC	Yang DH, 2019	0.033	0.002	0.366		4.71
UC	Pooled	0.059	0.033	0.103		
UC	Prediction Interval					
UC+CD	Kochhar, 2018	0.071	0.004	0.577		19.33
UC+CD	Lightner, 2021	0.040	0.006	0.235		39.97
UC+CD	Ngamruengphong, 2022	0.022	0.003	0.142		40.71
UC+CD	Pooled	0.035	0.010	0.115		
UC+CD	Prediction Interval					
Overall	Pooled	0.053	0.031	0.089		
Overall	Prediction Interval					

overall I2 = 0%
UC = 0%
UC+CD = 0%

Supplementary Fig. 4. Forest plot for perforation. CI, confidence interval; UC, ulcerative colitis; CD, Crohn's disease.