

Supplementary material

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Supplementary Table 1 Association between endoscopic technique and neoplasia in UC

Factor	Analysis	Dysplasia – n/N (%)		Odds ratio* (95% CI)	P value
		Not used	Used		
UC					
Dye spray	Unadjusted	3/116 (3%)	22/135 (16%)	8.10 (1.72-38.2)	0.008
	Adjusted 1 [†]	-	-	10.7 (1.44-79.4)	0.02
	Adjusted 2 [‡]	-	-	8.86 (1.33-59.2)	0.02
HD scope	Unadjusted	11/142 (8%)	14/92 (15%)	2.14 (0.92-4.94)	0.08
	Adjusted 1 [§]	-	-	1.54 (0.43-5.51)	0.51
	Adjusted 2 [¶]	-	-	1.82 (0.48-6.90)	0.38

*Odds ratio expressed as odds of dysplasia when dye spray/HD scope used relative to odds when it was not used.

[†]Adjusted for year of procedure and age at IBD diagnosis.

[‡]As Adjusted Analysis 1, plus additional adjustment for use of HD scope.

[§]Adjusted for year of procedure, age of IBD diagnosis, age of PSC diagnosis and bowel prep quality.

[¶]As Adjusted Analysis 1, plus additional adjustment for use of dye spray.

HD, high definition; IBD, inflammatory bowel disease; PSC, primary sclerosing cholangitis; UC, ulcerative colitis.

Supplementary Table 2 Association between endoscopic technique and neoplasia in CD.

Factor	Analysis	Dysplasia – n/N (%)		Odds ratio* (95% CI)	P value
		Not used	Used		
Crohn's					
Dye spray	Unadjusted	2/39 (5.1%)	1/23 (4.4%)	0.82 (0.06, 11.2)	0.88
	Adjusted 1 [†]	-	-	0.71 (0.06, 8.74)	0.78
	Adjusted 2 [‡]	-	-	**	
HD scope	Unadjusted	0/32 (0.0%)	3/24 (12.5%)	**††	0.07
	Adjusted 1 [§]	-	-	**	
	Adjusted 2 [¶]	-	-	**	

*Odds ratio expressed as odds of dysplasia when dye spray/HD scope used relative to odds when it wasn't used

[†]Adjusted for year of procedure and age of IBD diagnosis

[‡]Adjusted Analysis 1, plus additional adjustment for use of HD scope

[§]Adjusted for year of procedure, age of IBD diagnosis, age of PSC diagnosis and bowel prep quality.

[¶]As Adjusted Analysis 1, plus additional adjustment for use of dye spray.

**Unable to fit model as no cases of dysplasia in patients with HD scope not used.

††Analysis using Fisher's exact test.

CD, Crohn's disease; HD, high definition; IBD, inflammatory bowel disease; PSC, primary sclerosing cholangitis.