

**Supplemental Table 1A: Change in duodenal polyp burden in those with a genetic diagnosis of FAP**

	No. of Participants	Baseline, Mean (SD)	Month 6, Mean (SD)	Change (Month 6 - Baseline), Mean (SD)			P-Value
				Absolute Change Mean (SD)	% change, Mean (SD)	% Change (95% CI)	
<b>Duodenal Polyp Burden, mm</b>							
<b>All Evaluable Participants</b>	36	143.8 (117.41)	101.4 (84.48)	-42.3 (69.11)	-29.1 (33.61)	-40.5 to -17.8	<.0001 <sup>1</sup>
<b>Severity of Duodenal Polyposis</b>							
Spigelman 3	28	163.2 (125.97)	116.0 (89.45)	-47.3 (76.51)	-27.2 (34.58)	-40.7 to 13.8	0.0003 <sup>1</sup>
Spigelman 2	8	75.8 (30.28)	50.6 (32.02)	-25.1 (29.52)	-35.8 (31.16)	-61.9 to -9.8	0.0141 <sup>1</sup>
<b>Rash Acneiform/Maculo-Papular</b>							
Yes	19	163.5 (145.34)	112.6 (99.45)	-50.8 (90.16)	-29.9 (39.51)	-48.9 to 10.8	0.0040 <sup>1</sup>
No	17	121.8 (73.58)	88.9 (64.58)	-32.8 (33.49)	-28.3 (26.73)	-42.1 to 14.6	0.0005 <sup>1</sup>
<b>Sex</b>							
Female	16	135.6 (92.43)	100.9 (70.81)	-34.7 (36.32)	-27.6 (24.52)	-40.7 to -14.6	0.0004 <sup>1</sup>
Male	20	150.4 (136.18)	101.9 (95.85)	-48.5 (87.58)	-30.4 (40.04)	-49.1 to -11.6	0.0031 <sup>1</sup>
<b>Median Age</b>							
<=42	16	137.6 (104.91)	90.2 (87.38)	-47.4 (44.56)	-40.0 (24.76)	-53.2 to -26.8	<.0001 <sup>1</sup>
>42	20	148.8 (129.02)	110.5 (83.23)	-38.3 (84.82)	-20.5 (37.67)	-38.1 to -2.8	0.0252 <sup>1</sup>

Abbreviations: SD, standard deviation; CI, confidence interval; FAP, familial adenomatous polyposis; APC, aerobic plate count

<sup>1</sup>Paired t-test of observed mean change, %, against 0%; <sup>2</sup>Paired signed rank test of observed median change, %, against 0%

**Supplemental Table 1B: Change in duodenal polyp number in those with a genetic diagnosis of FAP**

	No. of Participants	Baseline, Mean ( $\pm$ SD)	Month 6, Mean ( $\pm$ SD)	Change (Month 6 - Baseline), Mean (SD)			P-Value
				Absolute Change Mean ( $\pm$ SD)	% Change Mean ( $\pm$ SD)	% Change (95% CI)	
<b>Number of Duodenal Polyps</b>							
<b>All Evaluable Participants</b>	36	46.1 (38.36)	32.1 (31.31)	-14.0 (24.25)	-11.9 (15.86)	-17.3 to -6.6	<.0001 <sup>1</sup>
<b>Severity of Duodenal Polyposis</b>							
Spigelman 3	28	50.1 (41.50)	35.8 (34.16)	-14.4 (25.56)	-10.4 (13.20)	-15.5 to -5.2	0.0003 <sup>1</sup>
Spigelman 2	8	32.1 (20.66)	19.3 (12.58)	-12.9 (20.45)	-17.5 (23.25)	-36.9 to 2.0	0.0712 <sup>1</sup>
<b>Rash Acneiform/Maculo-Papular</b>							
Yes	19	50.8 (47.75)	32.5 (35.27)	-18.3 (28.59)	-12.1 (12.61)	-18.2 to -6.1	0.0005 <sup>1</sup>
No	17	40.9 (24.46)	31.6 (27.29)	-9.2 (17.89)	-11.7 (19.27)	-21.6 to -1.8	0.0202 <sup>2</sup>
<b>Sex</b>							
Female	16	38.5 (22.96)	38.5 (22.96)	-9.1 (11.48)	-8.5 (10.76)	-14.2 to -2.7	0.0067 <sup>1</sup>
Male	20	52.2 (46.97)	34.3 (37.18)	-18.0 (30.70)	-14.7 (18.80)	-23.5 to -5.9	0.0024 <sup>1</sup>
<b>Median Age</b>							
$\leq$ 42	16	45.8 (30.41)	33.4 (34.06)	-12.4 (20.79)	-13.9 (17.26)	-23.0 to -4.7	0.0058 <sup>1</sup>
>42	20	46.4 (44.50)	31.1 (29.79)	-15.3 (27.17)	-10.4 (14.91)	-17.4 to -3.4	0.0056 <sup>1</sup>

Abbreviations: SD, standard deviation; CI, confidence interval; FAP, familial adenomatous polyposis; APC, aerobic plate count

<sup>1</sup>Paired t-test of observed mean change, %, against 0%; <sup>2</sup>Paired signed rank test of observed median change, %, against 0%

**Supplemental Table 2: Change in lower GI polyp number and burden from baseline**

	No. of Participants	Baseline, Median (IQR)	Month 6, Median (IQR)	Change (Month 6 - Baseline), Median (IQR)		P-Value
				Median Change	Median Change, %	
<b>No. of Lower GI Polyps</b>						
<b>All Evaluable Participants</b>	18	25.0 (5.0 to 67.0)	20.0 (4.0 to 47.0)	-6.0 (-26.0 to 0.0)	-30.8 (-47.4 to 0.0)	0.0256 <sup>1</sup>
<b>Lower GI Status</b>						
IPAA	6	3.5 (0.0 to 20.0)	5.0 (0.0 to 6.0)	-1.0 (-14.0 to 1.0)	-50.4 (-85.0 to -5.4)	0.2500 <sup>1</sup>
IRA with Rectal Stump	12	44.0 (20.0 to 97.0)	32.5 (20.0 to 82.0)	-14.0 (-29.0 to 0.0)	-30.6 (-36.7 to 0.0)	0.1055 <sup>1</sup>
<b>Lower GI Polyp Burden, mm</b>						
<b>All Evaluable Participants</b>	11	4.0 (2.5 to 6.0)	3.5 (2.1 to 5.0)	0.0 (0.0 to 1.0)	0.0 (0.0 to 25.0)	0.7031 <sup>1</sup>
<b>Lower GI Status</b>						
IPAA	3	4.0 (3.0 to 4.0)	5.0 (4.0 to 5.0)	1.0 (-1.0 to 1.0)	25.0 (-25.0 to 25.0)	1.0000 <sup>1</sup>
IRA with Rectal Stump	8	4.5 (2.5 to 6.0)	2.7 (2.0 to 6.0)	0.0 (0.0 to 0.2)	0.0 (0.0 to 12.0)	0.8750 <sup>1</sup>
Abbreviations: GI, gastrointestinal; IQR, interquartile range; IPAA, ileal pouch-anal anastomosis; IRA, ileorectal anastomosis						
<sup>1</sup> Paired signed rank test of observed median change, %, against 0%						