

Table 1. Sensitivity analysis of treatment effect on APC, β -catenin, and E-cadherin in the normal-appearing colorectal mucosa following multiple imputation for missing observations

Treatment Group	Baseline		6-mo follow-up		Absolute Rx effect		
	<i>n</i>	Mean	<i>n</i>	Mean	Rx effect ^a	Std Err	<i>P</i> ^b
A. APC							
Whole crypts							
Placebo	23	1.09	23	0.96	0.00	.	.
Calcium	23	1.07	23	0.94	0.00	0.14	0.88
Vitamin D	23	0.90	23	1.00	0.24	0.14	0.09
Ca + Vit. D	23	0.97	23	0.89	0.06	0.14	0.63
Upper 40% of crypts							
Placebo	23	0.39	23	0.41	0.00	.	.
Calcium	23	0.40	23	0.45	0.04	0.06	0.54
Vitamin D	23	0.30	23	0.46	0.15	0.06	0.02
Ca + Vit. D	23	0.36	23	0.41	0.03	0.07	0.55
Lower 60% of crypts							
Placebo	23	0.69	23	0.57	0.00	.	.
Calcium	23	0.70	23	0.53	-0.06	0.09	0.48
Vitamin D	23	0.60	23	0.55	0.06	0.09	0.40
Ca + Vit. D	23	0.60	23	0.52	0.04	0.09	0.66
Φ^c							
Placebo	23	0.35	23	0.42	0.00	.	.
Calcium	23	0.34	23	0.45	0.04	0.03	0.11
Vitamin D	23	0.31	23	0.46	0.07	0.03	0.01
Ca + Vit. D	23	0.36	23	0.44	0.01	0.03	0.56
B. β-catenin							
Whole crypts							
Placebo	23	0.98	23	1.00	0.00	.	.
Calcium	23	1.00	23	0.80	-0.22	0.09	0.12
Vitamin D	23	0.94	23	0.82	-0.14	0.09	0.30
Ca + Vit. D	23	1.05	23	0.93	-0.15	0.09	0.26
Upper 40% of crypts							
Placebo	23	0.38	23	0.37	0.00	.	.
Calcium	23	0.37	23	0.32	-0.05	0.03	0.09
Vitamin D	23	0.36	23	0.33	-0.03	0.03	0.62
Ca + Vit. D	23	0.39	23	0.36	-0.03	0.03	0.47
Lower 60% of crypts							
Placebo	23	0.61	23	0.62	0.00	.	.
Calcium	23	0.63	23	0.57	-0.06	0.05	0.16
Vitamin D	23	0.58	23	0.54	-0.05	0.05	0.44
Ca + Vit. D	23	0.63	23	0.59	-0.04	0.05	0.39
Φ^c							
Placebo	23	0.39	23	0.38	0.00	.	.
Calcium	23	0.38	23	0.37	-0.02	0.01	0.30
Vitamin D	23	0.39	23	0.38	0.00	0.01	0.72
Ca + Vit. D	23	0.39	23	0.38	-0.01	0.01	0.75

C. E-cadherin**Whole crypts**

Placebo	23	1.13	23	1.02	0.00	.	.
Calcium	23	1.24	23	1.11	-0.03	0.25	0.90
Vitamin D	23	0.83	23	1.30	0.57	0.26	0.02
Ca + Vit. D	23	0.90	23	1.29	0.49	0.26	0.07

Upper 40% of crypts

Placebo	23	0.45	23	0.45	0.00	.	.
Calcium	23	0.47	23	0.46	0.00	0.10	0.99
Vitamin D	23	0.33	23	0.58	0.25	0.10	0.03
Ca + Vit. D	23	0.37	23	0.56	0.19	0.10	0.04

Lower 60% of crypts

Placebo	23	0.64	23	0.61	0.00	.	.
Calcium	23	0.60	23	0.63	0.06	0.16	0.98
Vitamin D	23	0.49	23	0.78	0.32	0.16	0.05
Ca + Vit. D	23	0.56	23	0.70	0.17	0.17	0.38

Φh^c

Placebo	23	0.42	23	0.40	0.00	.	.
Calcium	23	0.41	23	0.41	0.02	0.03	0.56
Vitamin D	23	0.40	23	0.44	0.06	0.03	0.04
Ca + Vit. D	23	0.40	23	0.46	0.08	0.03	0.04

^a Rx effect (treatment effect) = [(treatment group follow-up) – (treatment group baseline)] – [(placebo group follow-up) – (placebo group baseline)].

^b P value for difference between each active treatment group and placebo group from repeated-measures MIXED model.

^c Φh = proportion of expression in the distribution zone (i.e., ratio of expression in upper 40% to expression in whole crypt)