

Supplemental Table for:

A Prospective Observational Study on Effect of Short-term Periodic Steroid Premedication on Bone Metabolism to Prevent Chemotherapy-induced Nausea and Vomiting in Gastrointestinal Cancer (ESPRESSO-01)

Michio Nakamura et al.

Table S1. Variations in BMDs and BTM levels between baseline and 16 weeks (excluding additive oral steroid or rescue steroid usage)

	Baseline	16 weeks	Percent change (%)	<i>P</i> *
BMD (g/cm²)				
Lumbar spine	1.057 ± 0.194 (58, 1.006 to 1.108)	1.037 ± 0.192 (58, 0.986 to 1.087)	-1.884 ± 3.358 (58, -2.767 to -1.001)	<0.0001
Total hip	0.886 ± 0.164 (57, 0.843 to 0.930)	0.863 ± 0.171 (57, 0.817 to 0.908)	-2.772 ± 5.360 (57, -4.194 to -1.350)	0.001
Femoral neck	0.734 ± 0.152 (57, 0.694 to 0.775)	0.719 ± 0.148 (57, 0.680 to 0.758)	-2.021 ± 4.673 (57, -3.261 to -0.782)	0.002
BMD T-score				
Lumbar spine	0.047 ± 1.483 (58, -0.343 to 0.437)	-0.105 ± 1.475 (58, -0.493 to 0.283)	-0.152 ± 0.249 (58, -0.217 to -0.086)	<0.0001
Total hip	-0.377 ± 1.230 (57, -0.704 to -0.051)	-0.567 ± 1.299 (57, -0.911 to -0.222)	-0.190 ± 0.381 (57, -0.290 to -0.089)	<0.0001
Femoral neck	-0.916 ± 1.168 (57, -1.226 to -0.606)	-1.035 ± 1.157 (57, -1.342 to -0.728)	-0.119 ± 0.295 (57, -0.198 to -0.041)	0.003
BMD Z-score				
Lumbar spine	0.941 ± 1.015 (58, 0.674 to 1.208)	0.828 ± 0.995 (58, 0.566 to 1.089)	-0.114 ± 0.201 (58, -0.167 to -0.061)	<0.0001
Total hip	0.944 ± 1.047 (57, 0.666 to 1.222)	0.775 ± 1.110 (57, 0.481 to 1.070)	-0.168 ± 0.388 (57, -0.271 to -0.065)	0.002
Femoral neck	0.491 ± 1.129 (57, 0.192 to 0.791)	0.363 ± 1.129 (57, 0.064 to 0.663)	-0.128 ± 0.318 (57, -0.212 to -0.044)	0.004
sBAP (µg/L)	15.154 ± 8.500 (56, 12.877 to 17.430)	17.373 ± 8.344 (56, 15.139 to 19.608)	22.880 ± 41.331 (56, 11.811 to 33.948)	0.045
sNTX (nmolBCE/L)	19.155 ± 5.138 (56, 17.779 to 20.531)	20.205 ± 6.851 (56, 18.371 to 22.040)	6.140 ± 26.670 (56, -1.003 to 13.282)	0.119
Serum calcium (mg/dL)	9.360 ± 0.544	9.271 ± 0.455	-0.791 ± 4.865	0.136

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		(58, 9.217 to 9.503)	(58, 9.151 to 9.390)	(58, -2.070 to 0.488)	
Corrected calcium (mg/dL)	9.715 ± 0.440 (58, 9.599 to 9.831)	9.528 ± 0.437 (58, 9.413 to 9.642)	-1.873 ± 3.051 (58, -2.675 to -1.070)	<0.0001	
Serum albumin (g/dL)	3.598 ± 0.561 (58, 3.451 to 3.746)	3.726 ± 0.420 (58, 3.615 to 3.836)	5.353 ± 16.056 (58, 1.131 to 9.575)	0.031	

Abbreviations: BCE, bone collagen equivalent; BMD, bone mineral density; BTM bone turnover marker; sBAP, serum bone-specific alkaline phosphatase; sNTX, serum N-terminal telopeptide of type I collagen

Data represent the mean ± standard deviation (number, 95% confidence interval).

* Paired Student's t-test between baseline and 16weeks

Corrected calcium level = Serum calcium level + 0.8 (4 – serum albumin level)