

Supplementary. There was no correlation observed between acetylcarnitine, pyruvate, butyric acid, or ethanolamine and the levels of PTH, vitamin D, phosphorus, or FGF23. Figure with results of this analysis.

FGF-23

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,289 ^a	,083	,032	244,53518	,083	1,635	1	18	,217

a. Predictors: (Constant), Acetylcarnitine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,325 ^a	,106	,056	241,49939	,106	2,132	1	18	,162

a. Predictors: (Constant), Pyruvate

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,154 ^a	,024	-,031	252,36417	,024	,435	1	18	,518

a. Predictors: (Constant), Butyricacid

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,160 ^a	,026	-,029	252,11115	,026	,472	1	18	,501

a. Predictors: (Constant), Ethanolamine

Phosphate

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,559 ^a	,313	,275	,42302	,313	8,198	1	18	,010

a. Predictors: (Constant), Ethanolamine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,276 ^a	,076	,025	,49053	,076	1,483	1	18	,239

a. Predictors: (Constant), Butyricacid

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,232 ^a	,054	,001	,49645	,054	1,021	1	18	,326

a. Predictors: (Constant), Acetylcarnitine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,059 ^a	,003	-,052	,50946	,003	,062	1	18	,806

a. Predictors: (Constant), Pyruvate

Vitamin D

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,149 ^a	,022	-,035	9,61240	,022	,384	1	17	,544

a. Predictors: (Constant), Butyricacid

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,223 ^a	,050	-,006	9,47491	,050	,892	1	17	,358

a. Predictors: (Constant), Ethanolamine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,263 ^a	,069	,015	9,37751	,069	1,266	1	17	,276

a. Predictors: (Constant), Acetylcarnitine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,141 ^a	,020	-,038	9,62288	,020	,346	1	17	,564

a. Predictors: (Constant), Pyruvate

PTH

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,072 ^a	,005	-,050	50,08101	,005	,094	1	18	,763

a. Predictors: (Constant), Butyricacid

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,349 ^a	,122	,073	47,05728	,122	2,494	1	18	,132

a. Predictors: (Constant), Ethanolamine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,231 ^a	,053	,001	48,85593	,053	1,013	1	18	,328

a. Predictors: (Constant), Acetilcarnitine

Model Summary

Model	R	R Square	Adjusted R Square	Std. Error of the Estimate	R Square Change	Change Statistics			
						F Change	df1	df2	Sig. F Change
1	,069 ^a	,005	-,051	50,09255	,005	,086	1	18	,773

a. Predictors: (Constant), Pyruvate