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Page 2 of 6

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	Variables	Before		After		NAlife	95% C.I.		District
All		Mean	SD	Mean	SD	Mean diff.	Lower	Upper	P-value
	Vitamin D	HÍÈFÏ	FGÈÏG	ÎÏÈ€I	GFÈG Î	ĒHFÈ Ì Ï	ËHÌÈFF	ËGÍÈÎG	€È€€€
	Calcium	GÈFÏ	€ĖFÌ	GÈG I	€ĖF€	ǀǀÏ	Ē€ÈFH	Ē€È€F	€È€GÍ
	Phosphorus	FĖH Î	€ÈÎG	FÈGF	€ÈGF	€ÈFÍ	ǀˀI	€ÈHI	€ÈFFJ
	PTH	îÈÍÍ	IÈGJ	ÎĖGÎ	IÈÍ Î	€ÈGJ	ĒFÈG€	FÈÏ Ì	€ÈÎJJ
	ALP	ÏGÈH€	GÍÈHÌ	îîÈìî	GFÈ€G	ÍÈIH	ĒGÈG Í	FHÈFG	€ÈF΀
	C3	JIĖÌÏ	GÎÈIJ	JÎĖÌG	HFÈÏ I	ĒFĖJÍ	ĔFHÈFH	JÈGH	€ÈÏGI
	Ô١	FÌĖJÎ	FFÈÍ Ï	FÌĖ€Ì	FGÈÏH	€ÈÌÏ	ĒFĖJG	HÈÎ Ï	€ÈÍGJ
	å∙ËÖÞŒ	G€ÏÈIF	HJIĖJÌ	IJĖĺÎ	FFFÈÏ I	FÍÏÈÌI	HGÈ Ì J	GÌGĖÏJ	€È€FÍ
	ÔÜÚ	IÈÏ Ì	îĖíì	IÈI I	îÈFÍ	€ÈHH	ĒFĒG Ì	FÈJÍ	€ÈÎÏI
	Uric Acid	HIJĖÌI	F€ÍÈÌÏ	H€FÈÎJ	F€ÎĖJG	l ÌÈF Î	FGÈH€	ÌIÈ€F	€È€F€

Table 1:\(\hat{A}\) [\{ \] \(\pi \) | \(\hat{A}\) \(\pi \) \(\pi \) \(\hat{A}\) \(\pi \) \(\pi \) \(\hat{A}\) \(\pi \) \(\pi \)

	Variables	Before		After			95% C.I.		5.4.1
Female		Mean	SD	Mean	SD	Mean diff.	Lower	Upper	P-Value
	Vitamin D	HÍÈHÏ	FGÈÌJ	îìĖG€	GGÈ€H	ĒHGÈ Ì H	Ë∣€È€Î	ĒGÍÈ΀	€È€€€
	Calcium	GÈF Ì	€ĖFÌ	GÈGH	€ÈF€	Ē€È€Í	Ē€ÈFG	€È€G	€ÈFHJ
	Phosphorus	FÈHÏ	€ĖÎÎ	FÈGH	€ÈGG	€ÈFI	ǀǀÌ	€ĖHÎ	€ÈFJÏ
	PTH	îÈÍ€	IÈ€Í	ſĖÏ Ì	HÈ Î G	€ÌÏF	ĒFÈ€F	GÈTH	€ÈI€H
	ALP	ΪÍÈ€Η	GÎĖI€	îíÈFÏ	FJĖÌ G	JÈÌ Ï	FÈÎÎ	FÌĖ€Ï	€È€G€
	C3	JÎĖÌ€	GIĖJÎ	JJÈH	HFÈH Ì	ĒGĖÎI	ËFHÈ€Í	ïÈÏ Î	€Ì€Î
	Ô١	FÌĖÏ€	FGÈFJ	FÌĖ€€	FHÈH€	€ìÏ€	ĒGĖG Ì	HÈÎJ	€ÈÎHG
	å•ËÖÞŒ	FJÍÈÍ Î	HÏHÈÎF	H€ĖÎÏ	IHÈÌ€	FÎ IÈÌ Ì	FFÈFF	HFÌÈÎÎ	€È€HÏ
	ÔÜÚ	ÍÈÍÏ	ΪĖGΪ	IÈHJ	ÎĖJ€	FÈF Ì	Ē€ÈÏG	HĖ€Ì	€ÈGFF
	Uric Acid	HIÍÈ€Ï	F€ÎĖJH	GÌ ÏĖÏ Ì	JJÈÍ Î	ÍÏÈH€	FÎÈF€	JÌĖIJ	€Ė€€Ì
	Vitamin D	HHÈ€Ï	FHÈLÏ	î€Ė€€	FÏÈHÏ	ĒGÎĖJH	ËHÌÈJH	ĒFIÈJI	€È€€G
Male	Calcium	GÈF€	€ĖFF	GÈG Ï	€ÈFF	Ē€ÈFÏ	Ë€ÈHF	ˀȀG	€È€H€
	Phosphorus	FÈHH	€ĖGI	FÈF€	€ÈFI	€ÈGH	€Ė€Ï	€ĖHÌ	€Ė€FÌ
	PTH	ÎÈÌG	îĖ€J	JĖ€€	ÏÈÏ Ì	ĒGĖFÌ	ĒÍĖÏÎ	FÈHJ	€ÈFÏÏ
	ALP	ÎHÈFÏ	FÏÈHJ	ΪÌĖÎΪ	GÍÈGJ	ĒFÍÈÍ€	ËHÍÈÎÌ	IÈÎ Ì	€ÈF€Í
	C3	ìîĖF€	I€ĖGF	ìïĖí€	HÏÈFG	ĒFÈI€	ĒJĪÈĪĪ	JIĖJÏ	€ÌJÎÎ
	Ô١	GFÈÍ€	JÈG€	FÌĖÏÌ	FFÈJF	GÈÏG	ËF€ÈÌG	FÎĖGÎ	€È΀Ï
	å•ËÖÞŒ	GÌÎĖGÍ	ÍGHÈJI	FGJĖ€Ì	GHHÈFJ	FÍÏÈFÏ	ĔFÍHĖÌH	lî ìÈFî	€ÈGÍF
	ÔÜÚ	FÈÎÎ	FÈLI	IĖÌG	GÈÏ Í	ĒHĖFÎ	ËÍÈF€	ËFÈGG	€È€FF
	Uric Acid	HÏÍÈ΀	F€ÏÈIÏ	HÏÎĖÌ€	FGÍÈÏÍ	ĒFÈG€	ËÎHĖJÏ	ÎFĖĹÏ	€ĖJ΀

 $\textbf{Table 2:} \& \hat{O}[\ \{\] \& \& \hat{\bullet}^{-} | \hat{A} \& \hat{\bullet}^{-} | \hat{A}$

	Variables	Before		After			95% C.I.		
		Mean	SD	Mean	SD	Mean diff.	Lower	Upper	P-value
	Vitamin D	GÌÈIII	F€ĖHÏÎÎ	îíÈÎF	G€ÈF€	ĒHÏÈFÏ	ĒĪÏÈGÍ	ËGÏÈ€J	€È€€€
	Calcium	GÈF Î	€ÈFÎ	GÈG I	€ÈF€	Ē€È€J	Ē€ĖFÌ	€Ė€€	€Ė€Î€
	Phosphorus	FÈÍÎ	€ÌJ	FÈHF	€ÈFÏ	€ÈGÍ	Ē€ÈG€	€ĖÏ€	€ÈGIJ
, i.c	PTH	ÍÈHÌ	GÈÎÎ	IÈI Ì	GÈHG	€ÈJ€	ĒFĒG Ì	HĖ€Ì	€ÈHÌÏ
ŁÁI€	ALP	ÏFÈ΀	GÍÈFH	îîĖI€	GIĖÌG	ÍÈG€	ĒÌÈIÏ	FÌÈÌÏ	€ÈIGÌ
	C3	JHÈG Í	GIÈFJ	ÌÏÈIÍ	GÌÈGI	ĺĖÌ€	ĒFGÈJ Í	GIÈÍÍ	€ÈÍFH
	ÔΙ	FÎĖGJ	FFÈÌF	FÍÈFF	FÍÈG€	FÈFJ	ĒIÈ€G	ÎĖHJ	€ĖÎH€
	å∙ĖÖÞŒ	H€GĖÏÌ	l Ï FÈÎ Í	F€FÈIÌ	FÎÍÈÏH	G€FÈHF	ĒFÎĖII	IFJĖ€Î	€È€ÍÏ
	ÔÜÚ	GÈG€	GÈÎÍ	HÈG Í	HÈ Í Î	ĒFÈ€Í	ĒIÈ€G	FĖJF	€ÈIIÏ
	Uric Acid	HÎJĖJG	F€ÏĖÌÏ	HFGÈÏ Ï	F€ÎÈIG	ÍÏÈFÍ	G€ÈHÌ	-	€È€€Í
	Vitamin D	HJÈH I Í	FGÈH Ï Î G	Î ÏĖJG	GGĖG Î	ĒGÌĖÍÌ	ĒĦÎĖÏÌ	ËG€ÈHÌ	€È€€€
	Calcium	GÈF Ì	€ÈFJ	GÈG I	€ÈF€	ǀǀÎ	Ē€ÈFÍ	€Ė€H	€ÈFÎÍ
	Phosphorus	FÈGH	€ÈH€	FÈF Í	€ÈGG	€Ė€Ì	Ē€È€Î	€ĖGG	€ÈGÎF
	PTH	ÏÈGF	IÈJG	ΪÈGΪ	ÍÈGF	ǀǀÎ	ĒGÈFÍ	GÈ€H	€ÈJÍG
-110	ALP	ΪĠĖΪΪ	GÎÈFH	îïĖFì	FÌĖÎF	ÍÈÍJ	ĒTĒHÏ	FÍÈÍÍ	€ÈGÍÎ
-Ál€	C3	JÎĖ€I	GÌÈÎÏ	F€HÈÍJ	HHÈF Í	ĒÏÈÍI	ĒGGÈH€	ÏÈGF	€ÈGJÎ
	ÔΙ	G€ÈÌG	FFÈHF	G€ÈFÏ	F€ÈÍJ	€ÈÎÎ	ĒGÈÌH	IÈFI	€ÈÎJJ
	å•ËÖÞŒ	FIHĖÌG	HHHÈJ€	FIÈJÎ	FÌÈÌI	FGÌÈÌÏ	ĒHÌĖFI	GJÍÈÌÌ	€ÈFGG
	ÔÜÚ	îÈÍÍ	ΪĖÌJ	Í ÈG Î	ÏÈLI	FÈGJ	Ē€ÈÎÌ	HÈG Î	€ĖFÌI
	Uric Acid	HHÎĖFF	F€ÍÈFI	GJIÈFF	F€JÈÍ€	IGÈ€€	ĒFÍÈJÌ	JJĖJ Ì	€ÈFIÍ

Table 3:hÔ[{]\$\pi_{-\}]\$\pi_{-\}]\$\pi_{-\}]\$\pi_{-\}\$\q\|\pi_{\}\pi_{\}\\pi_{\}

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m Mr M MM rM i 40 M M • i M MA IN in-Ka⊳K m \mathbb{N} \mathbf{X} \mathbf{X} X I n Mr M M Maxin M 40 🕱 🛭 $D \mathbb{N}$ Men. 40 ₩ 🛭 , i n 🏻) nd ,⊠ in m MM MM i Α i

; 🛭 mM XXX M MAN N N N i ni r, 🛭 i⊠ira **⊠**r⊠ i X m D MrM Mar i ni -D A, in r De MX Mr A. H**>** H > C n 🏲 🛛 in,⊠ mM i ni D >m ⊠ni in ni X iŋ m 🛛 i m 🖾n Mon in r de Men in -D A, C4 Mr ĭ in C3 i n ■ 🛛 i Μr r 🛮 r⊠⊠9, ryain ⊠i m⊠ K m 🛛 r 🍽 M m Mn * С M Μn \mathbf{m} MANNE MANNE MANNE C i **⊠**n ⊠ ⊠ M **≥**Mari Mari , i⊠ i **⊠ ≥ M ≥ m** Mon, in Ammanon o monito Sa. In M rΜ i'n M E MM C in in 🕽 Mar M Monin m Mn m X in 🛭 mM r 🍽 n in 🛮 X_f in MAN THE i⊠ E X M D in 🔊 🖾 n C X M i → n M 🖼 **▶** 🛛 Man Man → iMM→n **▶** 🛭 M D Mr. f) in Maman Marks of mMa (C M **№** C $\mathbf{D} \mathbf{M}_{\mathbf{f}}$ M MM im **→ M⊠**n⊠ in m⊠anMainin D m 🛛 i 🕽 🛣 37]. \square \square \square \square \square \square \square \square \square \square i**⊠ ⊠**n**⊠** m ⊠ A neM M ini 🛭 🕅 **D** i n 💆 **⊠ ⊠ ⇒** i**⊠** i⊠ ≥i. C ME in, No namin i nee i 🛛 ir C Mm 22,38].

Mm Μr D in Spi, Ιn **>**m n m nMMM≥n i⊠ X i m 🛮 n $D \mathbf{X}$ XX i**⊠** ➤ 🛭 Manin RI iRI XX m E MM rM, ni**X** i⊠ 39]. i⊠ ⊠ ⊠ ≥ $m \in \mathbb{N} \boxtimes \mathbb{N} \quad \text{if } \quad i$ in 💆 🖾 n r🛮 ir 🕽 D i m n m 22]. n 🛮 D ⊠r, ⊠ Α r⊠⊠ 🛛 📦 i 🖾 🕽 i⊠ ⊠ n 🌬 ٠ in m nM in Ε XX rM M Main BM Maini Ε MAN TE rΜ 35]. **№ № №** mi⊠, ⊠r⊠- >/ ħ Mn MrM. Mar⊠ èr i $\mathbf{X}_{\mathbf{f}}$ **> ⊠**↑**⊠**-D A Min M n M mM nM in 📦 rM i 🛭 m n⊠ H≥ in D n∍⊠in M MX M M M 40-42]. In > rM M (Fi **■** 13/51 Ε MAN TE i⊠ iờ 8 rΜ M). A mM X Mar ne XX X in m nMin D MAN N N N N i ni $\mathbf{M}_{\mathbf{f}}\mathbf{M}$ $\mathbf{M}_{\mathbf{f}}$ $\mathbf{M}_{\mathbf{f}}$ S LONG M>r ini Man⊠ M r D Man Min Α i ni m m n Mm 📾 iΜ X i**≥r** ⊠ i D à A > **≫n** i in BM Maini MM nM iM •m r⊠• E.

Conclusion

 , ⋈ ■ immin i in E ini 🛮 im Min m n🛛 rm m m MK i M MM D X 圀 i⊠ m in m n 🛛 **5**5, i**r**₁ **2**3 X XX ⊠ B⊠a Maini Mana n⊠ i⊠ Е ħ m remain m Mar Mar Mar E⊠ ⊠ i m⊠s D n mm m nMMn rn ⊠ i 🛛 ir 🖾 Eiless. ini 🛭 im 🐞 in

Limitation of Our Study

rM M S X imiMMM≥n; **>**m in Mà M K 🛛 🗫 . I n 🖾 i**⊠>r** ₩, D XI iXI ⊠i **≥**r M_f in 🛮 MM → M M M → M m **≫**in⊠ iΜ m M MM MI M r MMM M minim m 🛭 Ď ٠ i Mm mM in⊠i r i⊠ in⊠ Α ir⊠ n in n i Man Spir Man D raminin XI; m i XXI n, s Am X in x (B I) X n n M im > Man imiman.

References

- FÈ Brown AJ
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- GÉÁ Kruse K
 - Úæc@[]@^•i[[[*^k[-k&æ|&i*{ k{^cæà[|i•{ki}k&@i|ai^}k, ic@kçicæ{i}kÖĒā^,&i^}&^k |i&\^c•Ék RÁÚ^āiæc!ÉkFJJÍÉ!<u>TA6:</u> THÎĒÏIFÉ
- HÈÁ Þæç^@ĒTæ}^ÊÁVÁBÁRÁÙā|ç^¦Á
 - Ü^* |æci[}Å[¼]æ!æc@^;[¡äål@[;{[}^¼*^}^¼^¢];^••ā[}Àà^¼@^][&æ|&^{iæÉk @^]^!&æ|&^{iæÉkæ}ål¢icæ{i}}ÄÖki}ko@^k!æcÉ RÅŌjā}₩}ç^•ċÉkJJ€Ék<u>86:</u>FHFHÉFHFJÉ
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- ÍÈÁ Sæ { ^}ÁÖŠÁBÁRÔÁUæc^•Á
 - A pilot study to determine if be5260606a rep2 -2 eB6C676Troves end.