

Correlations of Oxidized Low Density Lipoprotein with Insulin, Leptin and Risk

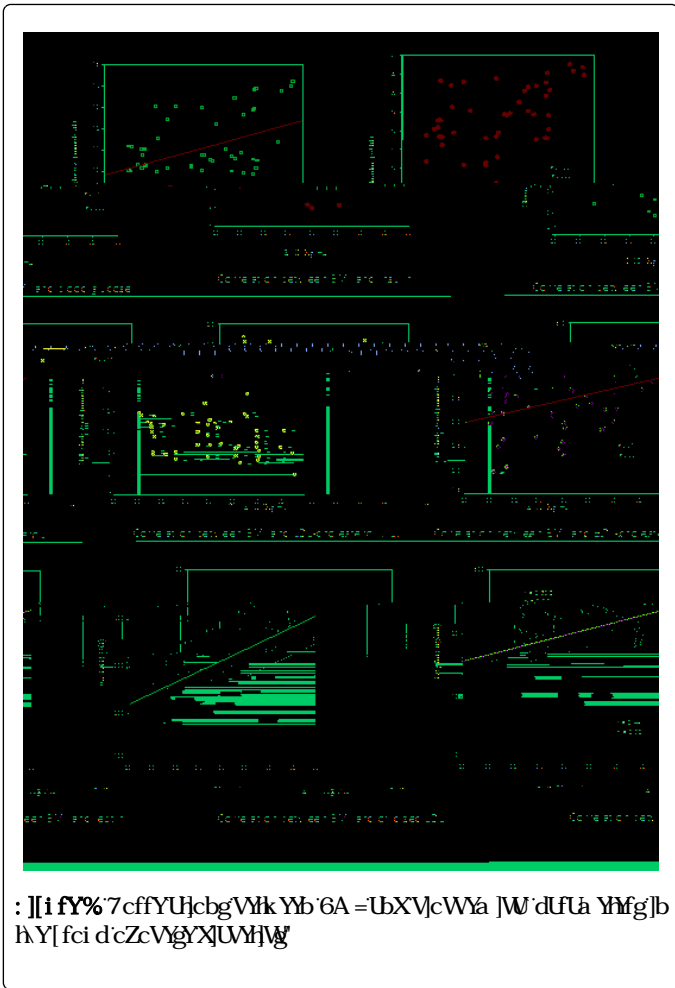
kca Ub`kUg WbgXfYX cVgY XjUWjWk\Yb`Yf`6cXmA Ugg`bXI
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'S_[]#a`fUbxZg]b[VccX[]iWgy]gUcjY+a`a`c`#@`5[YcZjUWjg
]gVYck`)'mUgUbXhYkca Ub`Ugbc`chYf`a`YUvc`JWbXd`ng]W
dUhc`c[mYlWdhXjUWjg UbX`cVghn`K`Y`Y]a]bUHX`kca`Yb`i`gb|
WbhUWdhcb`UbX#f`k]h`U`Za]m\]gcfm`cZ`cVghn`XjUWjg
Xng]d]Xa]JZ\[]\`VccXdfYgg`fYZWfXcj`UgW`Uf`XjgUg`

K ca Yb`gYVWX`Zf`hY`g`fj`Ymk`YfY`dfY`]ci`gm]bZfa`YX`cZ`h`Y
cVYVmj`YgcZ`h`Y`kcf`_"`5g`Zf`kca`Yb`cZ`h`Y`Wbfc``[`fci`dzh`Ymk`YfY
fYVj`]hX`Ua`cb|`UW`a`dU]gicZ`dU]Yb]g`Zca`WfY`i`b]h`7`" `g`fj`]W
XjgUg`g`bi`f]hcb`UbX`XjYUfm`h`YfUdm`U`h`Y`BU]cbU``bg]h`h`Y`cZ
Bi`f]hcbz`k`c`U`fYX`lc`dU]h`VdU]Y`]b`h`Y`g`fj`Ym`VmfYVj`]b|`Ug
a`chj`U]cb`h`Y`fYg`]g`cZ`W]g]W`V]c`c[]W`h]g`VccX[]i`WgZ`<`8@
Wc`Yghfc`z`@`@`Wc`Yghfc`z`f]||`nW]Xg`"K`ca`Yb`]b`Wbfc``[`fci`d
k`YfY`a`UWYX`lc`W]g`Vmi`U`Y`T`e`g`a`Y`Y`W`g]cb`W]h]f]UWb]g]XfYX
Zf`W]g`k`fYi`g`X`Zf`h`Y`Wbfc``[`fci`d`" `h]g`ci`XVY`bc`h`X`h`U`i`h`Y
V[]]bb]b|`cZ`ci`f`]bj`Yg]||`U]cb`k`Y`U`X`h`Y`U`d`f`c]U`cZ`))`kca`Yb`k`c
k`YfY`Wb]g]XfYX`Y`U`h`naf`er`d`ng]W`Y`Ua`]b`U]cb`V`h`Y`V`Ua`Xc`Wefz
V`h`U`ci`h`i`S` `cZ`h`Y`a`k`YfY]a]bUHX`af`er`

Weight (Kg)	Control	21	37.81 ± 8.95	-3
	Obese diabetic	53	93.28 ± 13.72	
	Control	21	72.29 ± 8.30	

CHOL	Pearson Correlation	1	0.452*	-0.208	0.371	-0.311	-0.356	-0.410	-0.226	-0.361	-0.262
	Sig. (bilateral)	.	0.040	0.367	0.098	0.170	0.113	0.065	0.324	0.107	0.250
TG	Pearson Correlation	0.452*	1	-0.097	0.073	-0.061	0.139	0.190	0.188	-0.027	0.093
	Sig. (Bilateral)	0.040	.	0.676	0.755	0.792	0.548	0.409	0.414	0.909	0.690
Blood glucose	Pearson Correlation	-0.208	-0.097	1	-0.315	0.187	0.508*	0.531*	0.481*	0.400	0.698**
	Sig. (bilateral)	0.367	0.676	.	0.164	0.418	0.019	0.013	0.027	0.072	0.000
HDLCHOL	Pearson Correlation	0.371	0.073	-0.315	1	-0.403	-0.346	-0.412	-0.327	-0.399	-0.365
	Sig. (bilateral)	0.098	0.755	0.164	.	0.070	0.124	0.063	0.148	0.074	0.103
LDLCHOL	Pearson Correlation	-0.311	-0.061	0.187	-0.403	1	0.617**	0.569**	0.469*	0.700**	0.428*
	Sig. (bilateral)	0.170	0.792	0.418	0.070	.	0.003	0.007	0.032	0.000	0.053
BMI	Pearson Correlation	-0.356	0.139	0.508*	-0.346	0.617**	1	0.955**	0.959**	0.857**	0.924**
	Sig. (bilateral)	0.113	0.548	0.019	0.124	0.003	0.0	0.0	0.0	0.0	0.0

CHOL	Pearson Correlation	1	0.538**	-0.034	0.096	0.192	-0.118	0.042	0.106	0.000	0.036
	Sig. (bilateral)	.	0.000	0.811	0.496	0.169	0.402	0.767	0.449	0.999	0.793
TG	Pearson Correlation	0.538**	1	0.090	-0.021	0.052	0.207	0.075	0.082	0.166	0.069
	Sig. (bilateral)	0.000	.	0.523	0.880	0.710	0.138	0.593	0.561	0.234	0.621
Blood glucose	Pearson Correlation	-0.034	0.090	1	-0.396**	0.277*	0.408**	0.673**	0.546**	0.327*	0.814**
	Sig. (bilateral)	0.811	0.523	.	0.003	0.045	0.002	0.000	0.000	0.017	0.000
HDLCHOL	Pearson Correlation	0.096	-0.021	-0.396**	1	-0.261	-0.345*	-0.394**	-0.261	-0.334*	-0.361*
	Sig. (bilateral)	0.496	0.880	0.003	.	0.059	0.011	0.004	0.059	0.015	0.008
LDLCHOL	Pearson Correlation	0.192	0.052	0.277*	-0.261	1	0.365**	0.459**	0.624**	0.753**	0.538**
	Sig. (bilateral)	0.169	0.710	0.045	0.059	.	0.007	0.001	0.000	0.000	0.000
BMI	Pearson Correlation	-0.118	0.207	0.408**	-0.345*	0.365**	1	0.436**	0.403**	0.632**	0.483**
	Sig. (bilateral)	0.402	0.138	0.002	0.011	0.007	.	0.001	0.003	0.000	0.000
LEPTIN	Pearson Correlation	0.042	0.075	0.673**	-0.394**	0.459**	0.436**	1	0.839**	0.318*	0.877**
	Sig. (bilateral)	0.767	0.593	0.000	0.004	0.001	0.001				



: [i fY%7cffYUjcbgVlk Yb'6A =UbXVcWYa]W' dUa Ymf'lb
hY[fci d'cZcVgYXUM]W'

K YdYZfa YXUa i 'hj Uf]UY'c[]hWYfYgcb'UbUng'k]h' hcd!
Xkba YhcXlc Xhfa]bYdUfa Yhfa cglXfYminfYUXlc'6A =]b
cVgkca Yb'k]h XUM]g(HLVY) E'

			B	Erreur standard	Bêta	P
1	(Constant)	25.449	4.49		5.667	0.000
	Blood glucose	1.19E+00	0.36	0.000	0.003	0.997
	Hdlchol	-0.300	1.51	-0.023	-0.197	0.844
	Ldlchol	-2.505	1.09	-0.401	-2.292	0.027
	Leptin	0.377	0.18	0.460	2.045	0.047
	Insulin	-0.143	0.22	-0.142	-0.649	0.520
	Ox-LDL	4.57E+01	0.00	0.848	5.192	0.000

d1\$SS Łz jbg `jb` ff1\$-)) ž d0\$SS%Łz `Ydljb` ff1\$-)) ž d0\$SS%Łz UbX
cl jXjnX @8@ ff1\$,)+ž d0\$SS%Łz @dljb` kŁg signif cantly

d1\$SS E" 7<C@ kUg signif cantly WffYUHX k]h' H' ff1S)', ž d0\$SS%&

Ge' UWX]b['hc' ci f' fYg' lğž 6A = 'lg' WffYUHX k]h' U [fci d' cZ VjCWá]W' dUfá Ymf' VccX ['i Wgž 'Ydhbž]bg']bž @8@7<C@ cl]X]nX @8@ ffcg]hj Y WffYU]cbg'. UbX < 8@7<C@ fbY[U]j Y WffYU]cbg'. T ese' dUfá Ymf' UY WffYUHX Vfk Yb 'YUW' ch' YžV' h h' Yf' fYU]cbg']dgk]h' 6A = 'fYbch]Xbh]W' T is 'YUgi' g'lc' g' ddcgY h' Uiga Y cZ h' Yg' dUfá Ymf' UY bch' X]fWim' fYUHX' hc' 6A = 'V' h h' fci ['\ ' ch' Yf' dUfá Ymf' K Y UY]bh' fYg]X' hc' 'cc_ 'Zf' dUfá Ymf' a cgi' g'fcb['m' Ugg' W]UHX k]h' 6A = 'UbX' cVg]h' K Y dY'Zfa YX U a i 'hj' U]U'Y' c[]g]WY[fYg]cb' UbUng]gk]h' 'ed' X'ck' b' U'dfcUW'

K Y]bfc' X' WX 6A = 'Ug' h' Y X'dYb' Xbh' j' U]UVY' UbX' YUW' cZ h' Y VjCWá]W' j' U]UVY' WffYUHX k]h' 6A = 'f' 'i Wgž < 8@Wc' Y]h'fc' ž @8@Wc' Y]h'fc' ž 'Ydhbž]bg']b' UbX' cl]X]nX @8@. Uğ' Y' d' UbU'cfm' j' U]UVY' K Y Zi bX' h' U'cl]X]nX @8@ 'Ydhb' UbX @8@7<C@ UY a cgi' X]fWim' WffYUHX k]h' 6A = 'dUfá Ymf' Gc' cVg]h' m' reflects W]U]b['Y' Yg' cZ 'Ydhbž @8@7<C@ UbX' cl]X]nX @8@' 6A = a Yg' fX' Yg]m' dY'X]W]X' fUhg' cZ h' Yg' VjCWá]W' dUfá Ymf'