

Table S1. Clinical characteristics of the control (C) morbid obesity without metabolic syndrome (MS-) and morbid obesity with metabolic syndrome (MS+). Data given as median (lower and upper confidence limit),), * p<0.05, ** p<0.01, *** p<0.001, **** p<0.0001 indicate significant differences from the control, # p<0.05, ## p<0.01, ### p<0.001, #### p<0.0001 indicate significant differences from the morbid obesity without metabolic syndrome (MS- 0) patients before bariatric surgery; ^ p<0.05, ^^ p<0.01, ^^ ^ p<0.001, ^^ ^ ^ p<0.0001 indicate significant differences from the morbid obesity with metabolic syndrome (MS+ 0) patients before bariatric surgery, morbidly obese patients without metabolic syndrome (MS-) and morbidly obese patients with metabolic syndrome (MS+), before (MS- 0; MS+ 0) as well as one month (MS- 1; MS+ 1), three months (MS- 3; MS+ 3), six months (MS- 6; MS+ 6) and twelve months (MS- 12; MS+ 12) after laparoscopic sleeve gastrectomy; alanine transaminase (ALT), aspartate transaminase (AST), body mass index (BMI), C-reactive protein (CRP), creatinine (Crea), diastolic blood pressure (DBP), high-density lipoprotein (HDL), hemoglobin (HGB), homeostatic model assessment of insulin resistance (HOMA-IR), low-density lipoprotein (LDL), red blood cell count (RBC), systolic blood pressure (SBP), triacylglycerol (TG), uric acid (UA), white blood cell count (WBC), waist-hip ratio (WHR).

	C	MS- 0	MS+ 0	MS- 1	MS+ 1	MS- 3	MS+ 3	MS- 6	MS+ 6	MS- 12	MS+ 12	P value
Age	45 (41.45-45.87)	39 (37.8-44.2)	47 (43.46-49.18)									0.0854
Weight (kg)	62 (60.32-63)	120**** (119.7-134.4)	124**** (119-131.9)	112**** (103.6-115.4)	113**** (105-120.3)	98.5****# (93.4-104.9)	102**** (95.86-108.8)	89****### (83.92-94)	92****^^^ (85.64-95.57)	77#### (74.52-83.57)	84.5****^ (78.35-88.81)	<0.0001
BMI (kg/m ²)	22.86 (21.74-40.17)	44.92**** (43.45-47.26)	46.38**** (45.49-49.76)	40.39**** (38.63-42.78)	41.51**** (40.11-45.1)	36.63**** (34.58-38.73)	39.67**** (36.65-40.94)	32.85****### (31.41-34.88)	34.63****^^ (32.63-36.11)	28.99#### (27.88-31.06)	31.23****^ (29.97-33.56)	<0.0001
Weight loss (kg)				13 (9.415-14.01)	12.5 (10.1-13.44)	24 (20.76-25.93)	24 (20.51-26.45)	33.5 (29.47-35.61)	32 (28.49-35.09)	43 (38.49-46.47)	41 (36.6-44.12)	<0.0001
WHR	0.716 (0.674-0.727)	0.96**** (0.934-0.979)	0.978**** (0.956-1.004)	0.96**** (0.912-0.976)	0.993**** (0.970-1.02)	0.944**** (0.906-0.969)	0.984**** (0.945-0.999)	0.935**** (0.909-0.949)	0.963**** (0.939-0.986)	0.913** (0.89-0.93)	0.933**** (0.911-0.94)	<0.0001
SBP (mmHg)	120 (117.7-125.3)	120 (121.9-127.3)	140**** (134.5-142.3)	120 (121.4-127.8)	140**** (132.3-139.9)	120 (121.5-126.9)	140**** (131.5-137.6)	120 (120.6-125.6)	135**** (129.2-136.2)	120 (119.7-123.8)	130**** (129.3-135.1)	<0.0001
DBP (mmHg)	80 (78.25-89.94)	80 (81.45-85.35)	90**** (86.98-93.82)	80 (78.85-83.76)	90**** (86.14-90.38)	80 (79.45-83.88)	87.5* (83.35-87.9)	80 (79.46-83.04)	87.5* (83.71-88.37)	80 (79.5-82.68)	90* (83.46-87.84)	<0.0001
Glucose (mg/dL)	76 (74.45-77.93)	96.5**** (91.44-101)	106**** (101.8-121)	91**** (86.46-97.09)	99**** (97.14-111.5)	91** (82.07-95.15)	97**** (92.78-99.83)	87** (84.16-93.27)	95.5**** (90.81-104.9)	84.5 (82.62-90.29)	90****^ (87.71-92.69)	<0.0001
Insulin (μU/mL)	7.6 (7.539-7.882)	17.1**** (15.53-20.69)	22.5**** (19.71-25.2)	10.4## (8.629-12.63)	15.1**** (12.29-17.83)	6.9#### (6.266-8.786)	10.9*^ (9.182-15.83)	8#### (6.687-9.15)	8.9^^^ (8.165-10.63)	6.8#### (5.61-8.132)	8.4^^^ (7.352-8.6)	<0.0001
HOMA-IR	1.44 (1.401-1.501)	4.089**** (3.627-5.109)	5.903**** (4.961-6.33)	2.371## (1.829-2.942)	3.678**** (3.143-4.739)	1.514#### (1.372-1.912)	2.563**** (2.189-3.754)	1.68#### (1.405-2.021)	2.123****^ (1.95-2.649)	1.493#### (1.197-1.86)	1.837****^ (1.625-1.934)	<0.0001
Cholesterol (mg/dL)	175 (170.3-174.9)	190 (179.5-197.5)	217*** (200-223.2)	175 (157.8-178.9)	193.5** (180.9-204.3)	176 (161.1-182.9)	180.5 (169.6-192.5)	175 (164.2-186.1)	189.5 (182.2-204.7)	176 (160.4-181.5)	175^^^ (166.3-183.5)	<0.0001
TG (mg/dL)	135 (132.9-139.3)	127 (109-143.1)	149 (142.5-187.9)	103* (96.25-129.5)	136 (124.1-175.6)	102*** (87.36-115.1)	136 (123.8-163.4)	90*** (81.24-108.7)	129 (118.5-142.9)	87.5****# (75.24-104.5)	102^^^ (94.76-114.7)	<0.0001
LDL (mg/dL)	119 (118-125.7)	125 (118.8-133.8)	145** (140.5-155.6)	111 (102.2-117.8)	119.5^^ (108.2-130.4)	109 (101.9-122.9)	113^^^ (102.5-126.1)	109 (102.1-125.6)	106^^^ (101.9-121.4)	112 (99.61-114.3)	100****^^^ (94.07-112.5)	<0.0001
HDL (mg/dL)	60 (59.08-75.86)	47.5*** (44.73-53.08)	46**** (42.59-51.76)	41**** (39.79-54.56)	45**** (41.32-49.55)	45**** (37.89-61.06)	47**** (44.35-52.38)	50** (45.32-53.78)	52 (48.64-59.55)	52 (49.38-57.67)	55 (52.62-58.77)	<0.0001
Crea (mg/dL)	0.74 (0.727-0.783)	0.73 (0.708-0.757)	0.73 (0.684-0.754)	0.76 (0.723-0.801)	0.76 (0.737-0.845)	0.72 (0.714-0.797)	0.725 (0.711-0.796)	0.71 (0.699-0.772)	0.72 (0.698-0.762)	0.76 (0.726-0.821)	0.75 (0.721-0.797)	0.6237
UA (mg/dL)	3.925 (3.877-4.428)	6.01**** (5.435-6.912)	7.21**** (6.357-7.628)	5.215** (4.947-6.203)	6.1**** (5.729-6.826)	4.69 (4.442-5.596)	5.58**** (5.156-6.062)	4.44 (4.162-4.956)	5.01^^ (4.789-5.41)	4.12#### (3.853-4.5)	4.595****^ (4.347-4.938)	<0.0001

Urea (mg/dL)	24.5 (23.73-26.95)	27 (25.83-30.89)	29 (27.16-34.2)	24 (19.81-25.49)	26 (24.87-30.87)	22 (19.52-26.38)	25.5 (23.47-28.8)	24 (22.33-29.34)	25 (23.26-29.18)	22.5 (21.64-28.03)	25 (23.14-30.36)	0.0032
RBC (10⁶/μL)	4.7 (4.937-29.76)	4.73 (4.506-4.923)	4.51 (4.419-4.823)	4.76 (4.667-5.075)	4.59 (4.608-4.926)	4.655 (4.513-4.724)	4.755 (4.58-4.889)	4.63 (4.47-4.834)	4.77 (4.504-4.925)	4.62 (4.556-4.824)	4.485 (4.279-4.785)	0.5687
HGB (g/dL)	13.9 (13.94-37.39)	13 (12.62-13.64)	13.15 (12.99-14.06)	13.2 (12.69-13.63)	13.7 (13.23-14.26)	13.1 (12.88-13.53)	13.2 (12.64-13.86)	13.3 (12.75-13.75)	13.4 (12.89-14.03)	13.5 (12.84-13.93)	14.1 (13.04-14.66)	0.0193
WBC (10³/μL)	7.5 (7.531-31.96)	7.87 (7.643-8.836)	9.8* (8.791-10.32)	6.45 (5.992-7.258)	7.16 (6.914-8.437)	5.7*##### (5.516-6.24)	7.43 (7.021-8.64)	5.95 (5.912-7.056)	7.91 (6.745-8.579)	5.82*##### (5.403-6.299)	7.28^^ (6.16-7.838)	<0.0001
PLT (10³/μL)	287 (270.1-290.4)	262 (240.6-307.6)	251** (237.6-290.8)	254 (222.5-280.9)	226 (205.6-254.6)	265.5 (229.8-272.2)	250 (219.4-263.6)	284 (251-310.6)	256 (237.5-295)	199** (192.2-250.5)	224* (208.6-255.5)	0.0002
CRP (mg/L)	5.5 (5.438-5.667)	8.05 (6.635-13.92)	11.55*** (9.259-12.41)	5 (3.765-9.062)	7.8 (6.311-8.82)	6.1 (4.082-7.413)	6.9 (5.989-9.089)	5.1 (3.103-7.09)	5.7^ (4.762-6.919)	4.9## (2.737-4.732)	5.4^^ (4.251-7.092)	<0.0001
ALT (IU/L)	24.5 (23.74-27.01)	25 (22.19-31.99)	27 (25.02-34.32)	25 (22.77-33.58)	28 (25.12-35.84)	20 (16.88-24.64)	24 (21.23-29.77)	16**# (14.87-23.38)	21 (19.3-24.01)	17.5**# (15-21)	19 (17.64-24.36)	<0.0001
AST (IU/L)	23 (22.71-25.83)	19.5 (18.22-26.18)	21 (20.54-29.65)	25 (19.7-35.64)	31 (25.19-39.85)	18 (16.46-22.28)	20 (18.87-25.89)	17* (15.13-22.57)	19.5 (17.75-25.3)	17 (17.17-25.31)	19 (17.9-23.85)	<0.0001

Table S2. Correlations between the analyzed oxidative/nitrosative stress and clinical parameters in patients with morbid obesity (OB) at the beginning of the study. Alanine transaminase (ALT), aspartate transaminase (AST), body mass index (BMI), C-reactive protein (CRP), creatinine (Crea), diastolic blood pressure (DBP), high-density lipoprotein (HDL), hemoglobin (HGB), homeostatic model assessment of insulin resistance (HOMA-IR), ischemia modified albumin (IMA), low-density lipoprotein (LDL), myeloperoxidase (MPO) nitric oxide (NO), red blood cell count (RBC), systolic blood pressure (SBP), triacylglycerol (TG), uric acid (UA), white blood cell count (WBC), waist-hip ratio (WHR).

	Dityrosine	Kynurenine	N-formyl-kynurenine	Tryptophan	Amyloid	Amadori Products	Glycophore	Total thiols	IMA	MPO	Total NO	Peroxynitrite	S-nitrosothiols	Nitrotyrosine
BMI	R=-0.252 p= 0.08	-0.33 p= 0.022	R=0.258 p= 0.073	R=-0.029 p= 0.845	R=-0.056 p= 0.709	R=0.324 p= 0.025	R=0.241 p= 0.092	R=-0.093 p= 0.529	R=0.08 p= 0.587	R=0.019 p= 0.898	R=0.002 p= 0.991	R=0.088 p= 0.557	R=0.066 p= 0.657	R=0.125 p= 0.387
WHR	R=-0.001 p= 0.996	R=-0.064 p= 0.666	R=-0.022 p= 0.879	R=0.053 p= 0.718	R=-0.1 p= 0.505	R=0.356 p= 0.013	R=-0.1 p= 0.49	R=0.249 p= 0.088	R=0.023 p= 0.877	R=-0.122 p= 0.409	R=0.076 p= 0.604	R=0.009 p= 0.952	R=0.074 p= 0.623	R=0.008 p= 0.954
SBP	R=-0.048 p= 0.744	R=-0.155 p= 0.292	R=0.042 p= 0.776	R=-0.022 p= 0.882	R=-0.033 p= 0.828	R=0.133 p= 0.368	R=-0.017 p= 0.904	R=0.024 p= 0.873	R=0.022 p= 0.881	R=-0.052 p= 0.724	R=-0.044 p= 0.766	R=0.164 p= 0.27	R=-0.227 p= 0.125	R=0.016 p= 0.91
DBP	R=0.205 p= 0.158	R=-0.051 p= 0.733	R=0.045 p= 0.761	R=-0.102 p= 0.484	R=-0.017 p= 0.908	R=0.066 p= 0.657	R=0.241 p= 0.092	R=-0.036 p= 0.808	R=0.067 p= 0.652	R=-0.067 p= 0.649	R=0.067 p= 0.648	R=0.198 p= 0.182	R=0.098 p= 0.514	R=0.005 p= 0.972
Glucose	R=0.195 p= 0.199	R=0.051 p= 0.742	R=0.224 p= 0.134	R=-0.107 p= 0.485	R=-0.088 p= 0.571	R=0.166 p= 0.276	R=0.104 p= 0.494	R=-0.185 p= 0.225	R=-0.172 p= 0.259	R=-0.009 p= 0.955	R=0.026 p= 0.864	R=0.247 p= 0.106	R=0.268 p= 0.078	R=-0.248 p= 0.097
Insulin	R=0.263 p= 0.081	R=0.147 p= 0.342	R=0.175 p= 0.244	R=-0.149 p= 0.329	R=0.035 p= 0.825	R=0.363 p= 0.016	R=0.005 p= 0.975	R=-0.299 p= 0.049	R=-0.127 p= 0.404	R=-0.172 p= 0.259	R=0.088 p= 0.566	R=0.326 p= 0.031	R=-0.16 p= 0.294	R=-0.163 p= 0.279
HOMA-IR	R=0.138 p= 0.385	R=0.102 p= 0.527	R=0.39 p= 0.01	R=-0.06 p= 0.706	R=-0.101 p= 0.534	R=0.37 p= 0.017	R=-0.004 p= 0.978	R=-0.306 p= 0.051	R=-0.055 p= 0.728	R=-0.144 p= 0.363	R=-0.169 p= 0.285	R=0.101 p= 0.53	R=-0.083 p= 0.605	R=0.433 p= 0.004
Cholesterol	R=-0.111 p= 0.458	R=-0.161 p= 0.287	R=0.172 p= 0.248	R=-0.035 p= 0.816	R=-0.254 p= 0.093	R=0.05 p= 0.742	R=0.083 p= 0.575	R=-0.155 p= 0.304	R=0.137 p= 0.363	R=0.302 p= 0.041	R=-0.011 p= 0.942	R=0.138 p= 0.366	R=-0.067 p= 0.664	R=0.041 p= 0.784
TG	R=-0.256 p= 0.09	R=-0.271 p= 0.075	R=-0.046 p= 0.763	R=-0.044 p= 0.774	R=-0.119 p= 0.445	R=-0.027 p= 0.864	R=-0.078 p= 0.605	R=-0.042 p= 0.789	R=-0.019 p= 0.902	R=0.208 p= 0.175	R=0.33* p= 0.027	R=0.298 p= 0.052	R=-0.101 p= 0.519	R=0.031 p= 0.837

LDL	R=-0.038 p= 0.805	R=-0.154 p= 0.318	R=0.136 p= 0.368	R=-0.031 p= 0.839	R=0.066 p= 0.675	R=0.17 p= 0.269	R=-0.092 p= 0.545	R=-0.267 p= 0.079	R=0.262 p= 0.082	R=0.163 p= 0.284	R=-0.055 p= 0.718	R=-0.002 p= 0.99	R=-0.246 p= 0.107	R=0.097 p= 0.52
HDL	R=0.083 p= 0.052	R=0.185 p= 0.235	R=0.035 p= 0.82	R=-0.103 p= 0.505	R=-0.114 p= 0.473	R=0.037 p= 0.813	R=-0.1 p= 0.515	R=-0.092 p= 0.557	R=0.282 p= 0.067	R=0.107 p= 0.495	R=-0.1 p= 0.517	R=-0.028 p= 0.862	R=0.081 p= 0.609	R=0.034 p= 0.822
Crea	R=-0.075 p= 0.593	R=-0.139 p= 0.344	R=0.004 p= 0.98	R=-0.065 p= 0.656	R=-0.17 p= 0.254	R=-0.283 p= 0.051	R=-0.075 p= 0.603	R=0.216 p= 0.141	R=-0.026 p= 0.861	R=0.072 p= 0.626	R=0.049 p= 0.739	R=-0.22 p= 0.138	R=-0.108 p= 0.47	R=0.104 p= 0.472
UA	R=-0.214 p= 0.607	R=-0.208 p= 0.157	R=0.187 p= 0.197	R=-0.053 p= 0.72	R=-0.223 p= 0.131	R=0.115 p= 0.437	R=-0.16 p= 0.268	R=-0.136 p= 0.357	R=-0.092 p= 0.535	R=-0.084 p= 0.57	R=0.179 p= 0.22	R=0.306 p= 0.036	R=0.056 p= 0.71	R=-0.011 p= 0.938
Urea	R=0.109 p= 0.454	R=0.181 p= 0.218	R=0.357 p= 0.012	R=-0.16 p= 0.273	R=-0.022 p= 0.883	R=-0.092 p= 0.534	R=-0.269 p= 0.059	R=-0.254 p= 0.081	R=-0.035 p= 0.814	R=0.049 p= 0.743	R=0.134 p= 0.357	R=0.088 p= 0.554	R=-0.2 p= 0.178	R=-0.135 p= 0.349
RBC	R=-0.285 p= 0.052	R=-0.127 p= 0.4	R=0.132 p= 0.376	R=0.089 p= 0.552	R=-0.18 p= 0.238	R=0.143 p= 0.343	R=-0.064 p= 0.664	R=0.063 p= 0.675	R=-0.179 p= 0.233	R=-0.254 p= 0.088	R=-0.132 p= 0.378	R=-0.057 p= 0.711	R=0.03 p= 0.844	R=-0.08 p= 0.587
HGB	R=-0.255 p= 0.091	R=-0.212 p= 0.167	R=0.095 p= 0.535	R=0.09 p= 0.55	R=-0.091 p= 0.564	R=0.078 p= 0.617	R=-0.064 p= 0.672	R=0.218 p= 0.156	R=-0.233 p= 0.128	R=-0.259 p= 0.09	R=-0.415 p= 0.005	R=-0.072 p= 0.644	R=0.102 p= 0.515	R=0.139 p= 0.356
WBC	R=-0.042 p= 0.775	R=-0.173 p= 0.241	R=0.098 p= 0.504	R=0.007 p= 0.96	R=-0.02 p= 0.895	R=0.049 p= 0.739	R=-0.131 p= 0.365	R=-0.354 p= 0.013	R=-0.061 p= 0.682	R=0.065 p= 0.662	R=-0.091 p= 0.536	R=-0.116 p= 0.436	R=0.012 p= 0.934	R=-0.021 p= 0.887
CRP	R=0.01 p= 0.948	R=0.132 p= 0.383	R=0.039 p= 0.792	R=-0.015 p= 0.918	R=-0.062 p= 0.686	R=0.212 p= 0.157	R=0.155 p= 0.292	R=-0.074 p= 0.626	R=-0.049 p= 0.741	R=0.012 p= 0.936	R=0.229 p= 0.122	R=0.311 p= 0.035	R=0.087 p= 0.565	R=0.074 p= 0.616
ALT	R=-0.038 p= 0.804	R=0.041 p= 0.79	R=0.001 p= 0.995	R=-0.133 p= 0.378	R=0.123 p= 0.425	R=-0.195 p= 0.199	R=-0.151 p= 0.31	R=-0.039 p= 0.802	R=-0.234 p= 0.118	R=-0.074 p= 0.626	R=-0.15 p= 0.319	R=-0.136 p= 0.375	R=-0.087 p= 0.57	R=-0.052 p= 0.726
AST	R=0 p= 0.998	R=-0.03 p= 0.85	R=0.03 p= 0.855	R=0.16 p= 0.325	R=0.163 p= 0.315	R=-0.164 p= 0.311	R=0.017 p= 0.915	R=0.271 p= 0.091	R=-0.129 p= 0.428	R=0.042 p= 0.799	R=0.057 p= 0.728	R=-0.07 p= 0.672	R=0.091 p= 0.581	R=0 p= 1

Table S3. Correlations between the analyzed oxidative/nitrosative stress and clinical parameters in patients with morbid obesity (OB) at the end of the study. Alanine transaminase (ALT). aspartate transaminase (AST). body mass index (BMI). C-reactive protein (CRP). creatinine (Crea). diastolic blood pressure (DBP). high-density lipoprotein (HDL). hemoglobin (HGB). homeostatic model assessment of insulin resistance (HOMA-IR). ischemia modified albumin (IMA). low-density lipoprotein (LDL). myeloperoxidase (MPO) nitric oxide (NO). red blood cell count (RBC). systolic blood pressure (SBP). triacylglycerol (TG). uric acid (UA). white blood cell count (WBC). waist-hip ratio (WHR).

	Dityrosine	Kynurenine	N-formyl-kynurenine	Tryptophan	Amyloid	Amadori Products	Glycophore	Total thiols	IMA	MPO	Total NO	Peroxynitrite	S-nitrosothiols	Nitrotyrosine
BMI	R=-0.135 p= 0.376	R=-0.093 p= 0.555	R=0.082 p= 0.597	R=-0.201 p= 0.19	R=-0.033 p= 0.828	R=0.394 p= 0.007	R=0.182 p= 0.227	R=-0.018 p= 0.908	R=0.178 p= 0.249	R=0.386 p= 0.011	R=0.068 p= 0.654	R=-0.007 p= 0.962	R=0.11 p= 0.482	R=-0.018 p= 0.904
Weight loss	R= -0.334 p= 0.025	R= -0.175 p= 0.256	R= -0.293 p= 0.053	R= 0.288 p= 0.058	R= -0.075 p= 0.623	R= 0.104 p= 0.496	R= -0.017 p= 0.909	R= -0.024 p= 0.875	R= -0.123 p= 0.428	R= -0.174 p= 0.265	R= -0.233 p= 0.12	R= -0.028 p= 0.857	R= -0.133 p= 0.397	R= 0.11 p= 0.466
WHR	R=-0.162 p= 0.317	R=-0.121 p= 0.458	R=0.235 p= 0.149	R=-0.25 p= 0.125	R=-0.334 p= 0.033	R=0.168 p= 0.299	R=0.154 p= 0.335	R=0.02 p= 0.901	R=-0.18 p= 0.273	R=0.236 p= 0.154	R=0.0003484 p= 0.998	R=0.147 p= 0.379	R=-0.037 p= 0.824	R=-0.258 p= 0.104
SBP	R=0.005 p= 0.975	R=-0.091 p= 0.563	R=0.227 p= 0.134	R=0.042 p= 0.782	R=0.127 p= 0.408	R=0.146 p= 0.339	R=-0.057 p= 0.708	R=-0.165 p= 0.278	R=-0.159 p= 0.298	R=-0.078 p= 0.611	R=0.215 p= 0.152	R=-0.265 p= 0.079	R=-0.113 p= 0.458	R=0.185 p= 0.217
DBP	R=0.065	R=-0.339	R=0.303	R=-0.136	R=-0.112	R=0.141	R=-0.096	R=0.006	R=-0.136	R=-0.02	R=0.046	R=-0.153	R=-0.208	R=0.123

	p= 0.673	p= 0.026	p= 0.043	p= 0.373	p= 0.465	p= 0.355	p= 0.525	p= 0.969	p= 0.373	p= 0.895	p= 0.759	p= 0.315	p= 0.169	p= 0.414
Glucose	R=-0.171	R=0.283	R=0.109	R=-0.044	R=-0.001	R=0.065	R=0.03	R=-0.355	R=-0.123	R=-0.182	R=-0.059	R=-0.065	R=-0.057	R=0.055
	p= 0.284	p= 0.081	p= 0.49	p= 0.786	p= 0.997	p= 0.688	p= 0.848	p= 0.023	p= 0.438	p= 0.255	p= 0.709	p= 0.687	p= 0.723	p= 0.731
Insulin	R=-0.073	R=0.079	R=-0.147	R=0.072	R=0.04	R=-0.23	R=0.231	R=0.209	R=-0.225	R=-0.276	R=0.106	R=-0.329	R=0.011	R=0.143
	p= 0.638	p= 0.618	p= 0.348	p= 0.644	p= 0.799	p= 0.133	p= 0.127	p= 0.174	p= 0.147	p= 0.077	p= 0.487	p= 0.034	p= 0.945	p= 0.35
HOMA-IR	R=-0.121	R=0.3	R=-0.084	R=0.149	R=0.019	R=-0.176	R=0.193	R=0.003	R=-0.355	R=-0.422	R=0.013	R=-0.339	R=0.011	R=0.174
	p= 0.456	p= 0.067	p= 0.6	p= 0.36	p= 0.909	p= 0.278	p= 0.226	p= 0.983	p= 0.023	p= 0.007	p= 0.936	p= 0.032	p= 0.946	p= 0.277
Cholesterol	R=0.015	R=0.2	R=-0.239	R=0.139	R=0.073	R=-0.075	R=0.242	R=0.091	R=-0.05	R=0.001	R=0.155	R=-0.166	R=0.167	R=0.082
	p= 0.924	p= 0.193	p= 0.113	p= 0.361	p= 0.631	p= 0.618	p= 0.101	p= 0.549	p= 0.744	p= 0.997	p= 0.299	p= 0.28	p= 0.279	p= 0.584
TG	R=-0.007	R=0.21	R=-0.082	R=-0.127	R=0.264	R=-0.007	R=0.085	R=-0.101	R=-0.029	R=0.102	R=0.082	R=-0.02	R=-0.107	R=0.118
	p= 0.963	p= 0.172	p= 0.593	p= 0.406	p= 0.076	p= 0.964	p= 0.568	p= 0.502	p= 0.85	p= 0.51	p= 0.585	p= 0.899	p= 0.49	p= 0.431
LDL	R=-0.244	R=0.294	R=-0.374	R=0.281	R=0.117	R=-0.082	R=0.112	R=0.087	R=0.16	R=-0.055	R=-0.076	R=-0.081	R=0.289	R=0.171
	p= 0.103	p= 0.053	p= 0.011	p= 0.061	p= 0.438	p= 0.587	p= 0.453	p= 0.567	p= 0.293	p= 0.724	p= 0.61	p= 0.601	p= 0.057	p= 0.251
HDL	R=0.236	R=-0.029	R=-0.002	R=0.27	R=0.079	R=-0.086	R=-0.266	R=0.072	R=-0.152	R=-0.234	R=0.069	R=0.001	R=0.042	R=-0.129
	p= 0.118	p= 0.856	p= 0.992	p= 0.076	p= 0.605	p= 0.574	p= 0.074	p= 0.638	p= 0.325	p= 0.132	p= 0.649	p= 0.995	p= 0.79	p= 0.393
Crea	R=0.168	R=-0.073	R=0.133	R=-0.19	R=0.042	R=-0.13	R=0.193	R=-0.16	R=0.272	R=0.053	R=0.112	R=0.248	R=-0.32	R=-0.111
	p= 0.258	p= 0.633	p= 0.374	p= 0.205	p= 0.779	p= 0.384	p= 0.189	p= 0.282	p= 0.064	p= 0.725	p= 0.45	p= 0.096	p= 0.03	p= 0.454
UA	R=0.139	R=-0.069	R=0.149	R=-0.171	R=-0.063	R=0.155	R=-0.034	R=0.169	R=-0.015	R=-0.018	R=-0.163	R=0.016	R=0.303	R=0.143
	p= 0.355	p= 0.655	p= 0.322	p= 0.26	p= 0.68	p= 0.302	p= 0.82	p= 0.261	p= 0.921	p= 0.908	p= 0.274	p= 0.919	p= 0.043	p= 0.339
Urea	R=-0.131	R=-0.133	R=0.172	R=-0.101	R=-0.17	R=0.268	R=-0.031	R=-0.322	R=-0.137	R=0.021	R=-0.115	R=0.073	R=0.157	R=0.14
	p= 0.38	p= 0.379	p= 0.252	p= 0.505	p= 0.253	p= 0.069	p= 0.834	p= 0.027	p= 0.363	p= 0.89	p= 0.437	p= 0.634	p= 0.302	p= 0.342
RBC	R=-0.251	R=0.447	R=-0.175	R=0.364	R=0.101	R=-0.111	R=0.145	R=-0.311	R=0.038	R=-0.162	R=0.005	R=0.097	R=0.241	R=0.104
	p= 0.1	p= 0.003	p= 0.261	p= 0.016	p= 0.515	p= 0.472	p= 0.343	p= 0.04	p= 0.808	p= 0.304	p= 0.975	p= 0.541	p= 0.123	p= 0.497
HGB	R=-0.064	R=0.015	R=-0.07	R=-0.083	R=-0.143	R=0.161	R=0.165	R=0.05	R=0.032	R=0.191	R=-0.007	R=-0.023	R=0.263	R=0.074
	p= 0.679	p= 0.922	p= 0.655	p= 0.598	p= 0.355	p= 0.295	p= 0.28	p= 0.748	p= 0.838	p= 0.226	p= 0.965	p= 0.886	p= 0.092	p= 0.628
WBC	R=-0.008	R=0.056	R=-0.016	R=0.183	R=-0.004	R=0.015	R=0.164	R=-0.143	R=-0.233	R=-0.114	R=0.28	R=-0.075	R=0.213	R=0.122
	p= 0.958	p= 0.723	p= 0.921	p= 0.239	p= 0.979	p= 0.923	p= 0.281	p= 0.355	p= 0.132	p= 0.471	p= 0.063	p= 0.636	p= 0.176	p= 0.424
CRP	R=0.066	R=-0.134	R=0.263	R=-0.134	R=0.074	R=-0.027	R=0.057	R=-0.286	R=-0.136	R=-0.114	R=0.046	R=-0.073	R=-0.209	R=0.11
	p= 0.672	p= 0.405	p= 0.093	p= 0.393	p= 0.639	p= 0.862	p= 0.712	p= 0.063	p= 0.392	p= 0.477	p= 0.766	p= 0.65	p= 0.19	p= 0.476
ALT	R=0.071	R=0.045	R=-0.017	R=0.121	R=0.217	R=-0.051	R=0.132	R=0.132	R=-0.203	R=-0.02	R=-0.179	R=-0.126	R=-0.183	R=0.087
	p= 0.643	p= 0.775	p= 0.912	p= 0.432	p= 0.153	p= 0.74	p= 0.382	p= 0.387	p= 0.187	p= 0.9	p= 0.234	p= 0.42	p= 0.241	p= 0.563
AST	R=-0.014	R=0.327	R=0.035	R=0.01	R=0.026	R=-0.007	R=0.127	R=0.005	R=-0.011	R=-0.169	R=-0.172	R=-0.302	R=0.087	R=0.143
	p= 0.93	p= 0.039	p= 0.823	p= 0.952	p= 0.872	p= 0.965	p= 0.418	p= 0.976	p= 0.945	p= 0.289	p= 0.27	p= 0.055	p= 0.588	p= 0.359