

RESULTS

Table (1) Clinical Data of the Male Reference Group (Group I)

Number	Age (years)	Height (cm)	Weight (kg)	Desired Weight (kg)	Blood Pressure (mmHg)	
					Systolic	Diastolic
1	18	160	65	56	130	80
2	20	170	70	66	130	90
3	21	170	75	66	120	80
4	23	175	75	69	130	80
5	34	180	80	79	140	90
6	17	160	60	56	120	80
7	25	170	75	68.5	140	80
8	15	155	55	46	120	80
9	21	165	70	63	130	90
10	35	180	85	81	140	90
11	19	160	65	56	130	80
12	17	160	60	56	120	80
13	15	155	55	46	120	80
14	35	180	85	81	130	90
15	24	170	75	68.5	140	90
Range	15-35	155-180	55-85	46-81	120-140	80-90
Mean	22.6	166	70	63.9	129.3	84
Number	15	15	15	15	15	15
S.D.	6.9	8.3	9.8	11.3	7.9	5.1
S.E.	1.8	2.1	2.5	2.9	2.0	1.3

S.D. : Standard deviation.

S.E. : Standard error.

Table (2) Clinical Data of the Male Offsprings of Myocardial Infarction Patients (Group III)

Number	Age (years)	Height (cm)	Weight (kg)	Desired Weight (kg)	Blood Pressure (mmHg)	
					Systolic	Diastolic
1	19	150	60	51	140	90
2	25	178	80	74	140	85
3	35	170	74	73	140	90
4	28	175	78	72	140	80
5	34	178	70	78.5	130	80
6	20	160	60	60	110	70
7	22	173	80	68	130	80
8	15	160	60	50.5	120	80
9	19	169	65	62.5	130	80
10	20	170	72	66	140	90
11	23	150	58	54.5	130	80
12	20	170	78	66	140	90
13	21	172	74	67	120	90
14	25	180	85	76	140	90
15	22	178	84	71.5	140	85
Range	15-35	150-180	58-85	50.5-78.5	110-140	70-90
Mean	23.2	168.9	71.9	66	132.7	84
Number	15	15	15	15	15	15
S.D.	5.5	9.7	9.3	8.8	9.6	6.0
S.E.	1.4	2.5	2.4	2.3	2.5	1.6
P-value	>0.40	>0.20	>0.30	>0.30	>0.10	>0.49
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

N.S. : Non-significant.

P-value : Compared to male reference group.

Table (3) Clinical Data of the Female Reference Group (Group II)

Number	Age (years)	Height (cm)	Weight (kg)	Desired Weight (kg)	Blood Pressure (mmHg)	
					Systolic	Diastolic
1	17	160	60	56	110	70
2	15	150	55	46	120	70
3	27	155	56	56	120	80
4	20	140	46	46	110	60
5	23	160	65	56	120	80
6	25	155	55	46	120	80
7	17	160	65	56	130	80
8	17	150	60	51	110	70
9	15	160	60	50.5	120	70
10	18	150	58	54.5	110	70
11	22	160	60	60	110	70
12	35	170	73	73	130	90
13	19	160	65	56	110	60
14	20	155	55	55	110	70
15	18	140	46	46	120	80
Range	15-35	140-170	46-73	46-73	110-130	60-90
Mean	20.5	155	58.6	54.5	116.7	73.3
Number	15	15	15	15	15	15
S.D.	5.3	8.0	7.1	7.6	7.2	8.2
S.E.	1.4	2.1	1.8	2.0	1.9	2.1
P-value	>0.20	<0.002	<0.002	<0.01	<0.002	<0.002
Significance	N.S.	S.	S.	S.	S.	S.

S. : Significant.

N.S. : Non-significant.

P-value : Compared to male reference group.

Table (4) Clinical Data of the Female Offsprings of Myocardial Infarction Patients (Group IV)

Number	Age (years)	Height (cm)	Weight (kg)	Desired Weight (kg)	Blood Pressure (mmHg)	
					Systolic	Diastolic
1	15	160	60	50.5	110	70
2	23	155	58	54	120	80
3	35	170	74	74	130	90
4	23	150	58	54.5	120	80
5	15	155	55	46	110	70
6	17	160	60	56	120	80
7	20	165	70	63	130	80
8	22	160	60	60	120	80
9	17	160	65	56	120	70
10	15	160	60	50.5	110	60
11	35	170	73	73	130	90
12	22	160	65	56	120	80
13	18	150	58	54.5	120	80
14	20	140	45	45	110	70
15	20	150	58	55	120	70
Range	15-35	140-170	45-74	45-74	110-130	60-90
Mean	21.1	157.7	61.3	56.6	119.3	76.7
Number	15	15	15	15	15	15
S.D.	6.3	8.0	7.2	8.2	7.0	8.2
S.E.	1.6	2.1	1.9	2.1	1.8	2.1
P-value	>0.40	>0.20	>0.10	>0.20	>0.20	>0.10
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.
P-value	>0.20	<0.002	<0.005	<0.005	<0.002	<0.005
Significance	N.S.	S.	S.	S.	S.	S.

S. : Significant.

N.S. : Non-significant.

P-value : Compared to female reference group.

P-value: Compared to male offsprings of myocardial infarction patients.

Table (5) Blood Sugar and Serum Uric Acid Levels in the Male Reference Group (Group I)

Number	Fasting Blood Glucose Level (mg/dl)	Postprandial Blood Glucose Level (mg/dl)	Serum Uric Acid Level (mg/dl)
1	77	95	5
2	83	85	3
3	82	79	4.2
4	88	70	3
5	80	79	3.5
6	89	91	3.6
7	83	85	4
8	99	100	2.2
9	94	99	3
10	82	71	4
11	77	95	2.3
12	89	91	2.5
13	99	100	3
14	82	71	3.2
15	83	85	3.5
Range	77-99	70-100	2.2-5
Mean	85.8	86.4	3.3
Number	15	15	15
S.D.	7.1	10.6	0.8
S.E.	1.8	2.7	0.2

Table (6) Blood Sugar and Serum Uric Acid Levels in the Male Offsprings of Myocardial Infarction patients (Group III)

Number	Fasting Blood Glucose Level (mg/dl)	Postprandial Blood Glucose Level (mg/dl)	Serum Uric Acid Level (mg/dl)
1	80	77	2.8
2	97	83	3
3	84	117	3
4	73	71	4
5	78	130	5
6	82	84	3.5
7	99	91	2.5
8	86	86	2.8
9	81	88	2.7
10	75	130	4
11	96	88	3
12	72	103	4.2
13	74	81	3
14	73	93	3
15	76	86	2.5
Range	72-99	71-130	2.5-5
Mean	81.7	93.9	3.3
Number	15	15	15
S.D.	9.1	18.2	0.7
S.E.	2.4	4.7	0.2
P-value	>0.10	>0.10	>0.49
Significance!	N.S.	N.S.	N.S.

N.S. : Non-significant.

P-Value : Compared to male reference group.

Table (7) Blood Sugar and Serum Uric Acid Levels in the Female Reference Group (Group II)

Number	Fasting Blood Glucose Level (mg/dl)	Postprandial Blood Glucose Level (mg/dl)	Serum Uric Acid Level (mg/dl)
1	70	90	3
2	90	100	2.5
3	99	99	2.8
4	83	87	3
5	80	70	3.5
6	77	97	3.5
7	88	71	2.5
8	100	110	3
9	95	94	4
10	80	84	4.2
11	70	73	4.5
12	70	75	2.8
13	99	100	2.6
14	99	90	3
15	70	75	3.5
Range	70-100	71-110	2.5-4.5
Mean	84.7	87.7	3.2
Number	15	15	15
S.D.	11.8	12.6	0.6
S.E.	3.0	3.3	0.2
P-value	>0.35	>0.35	>0.35
Significance	N.S.	N.S.	N.S.

N.S. : Non-significant.

P-Value : Compared to male reference group.

Table (8) Blood Sugar and Serum Uric Acid Levels in the Female Offsprings of Myocardial Infarction patients (Group IV)

Number	Fasting Blood Glucose Level (mg/dl)	Postprandial Blood Glucose Level (mg/dl)	Serum Uric Acid Level (mg/dl)
1	70	120	4
2	76	86	2.2
3	82	86	3
4	99	90	3
5	72	102	3.4
6	89	109	4
7	86	86	3
8	80	75	2.5
9	95	83	2.8
10	78	130	2.5
11	77	70	3
12	76	86	4
13	100	107	3
14	100	102	3
15	70	73	3.4
Range	70-100	70-130	2.2-4
Mean	83.3	93.7	3.1
Number	15	15	15
S.D.	10.9	17.5	0.6
S.E.	2.8	4.5	0.2
P'-value	>0.35	>0.10	>0.30
Significance!	N.S.	N.S.	N.S.
P''-value	>0.35	>0.50	>0.20
Significance!	N.S.	N.S.	N.S.

N.S. : Non-significant.

P'-value : Compared to female reference group.

P''-value: Compared to male offsprings of myocardial infarction patients.

Table (9) Serum Lipid Profile and Apolipoprotein Levels in the Male Reference Group (Group I)

Number	T.G (mg/dl)	T.C. (mg/dl)	HDL-c (mg/dl)	LDL-c (mg/dl)	Apo-A (mg/dl)	Apo-B (mg/dl)	Ratios		
							T.C./HDL-c	LDL-c/HDL-c	Apo-A/Apo-B
1	78	118	32	81	160	85	3.69	2.53	1.88
2	66	121	36	80	280	70	3.36	2.22	4.00
3	54	159	41	88	290	95	3.88	2.15	3.05
4	68	163	52	90	338	105	3.13	1.73	3.22
5	110	160	49	85	300	85	3.27	1.73	3.53
6	72	118	38	70	285	75	3.11	1.84	3.80
7	61	150	45	91	310	90	3.33	2.02	3.44
8	54	123	48	65	300	85	2.56	1.35	3.53
9	66	159	40	70	280	65	3.98	1.75	4.31
10	108	165	52	100	338	100	3.17	1.92	3.38
11	78	118	32	81	160	85	3.69	2.53	1.88
12	72	118	38	70	285	75	3.11	1.84	3.80
13	61	150	45	91	310	90	3.33	2.02	3.44
14	108	165	52	100	338	100	3.17	1.92	3.38
15	61	150	45	91	310	90	3.33	2.02	3.44
Range	54-110	118-165	32-52	65-100	160-338	70-105	3.11-3.98	1.35-2.53	1.88-4.31
Mean	74.5	142.5	43.0	83.5	285.6	86.3	3.3	2.0	3.3
Number	15	15	15	15	15	15	15	15	15
S.D.	19.1	20.2	6.9	11.0	54.8	11.4	0.4	0.3	0.7
S.E.	4.9	5.2	1.8	2.8	14.2	2.9	0.1	0.1	0.2

T.G. Triglycerides.

T.C. Total cholesterol.

HDL-c High density lipoprotein cholesterol.

LDL-c Low density lipoprotein cholesterol.

Apo-A Apolipoprotein A.

Apo-B Apolipoprotein B.

Table (10) Serum Lipid Profile and Apolipoprotein Levels in the Male Offsprings of Myocardial Infarction Patients (Group III)

Number	T.G. (mg/dl)	T.C. (mg/dl)	HDL-c (mg/dl)	LDL-c (mg/dl)	Apo-A (mg/dl)	Apo-B (mg/dl)	Ratios		
							T.C./HDL-c	LDL-c/HDL-c	Apo-A/Apo-B
1	154.5	200	28.4	115.3	134.5	92.2	7.04	4.06	1.41
2	99.2	169	36.5	86.9	154.0	95.2	4.63	2.38	1.62
3	103.5	187	33.7	94.0	144.0	115.0	5.55	2.79	1.25
4	113.4	164	33.1	113.5	164.0	125.0	4.95	3.43	1.31
5	59.5	135	34.2	58.5	174.5	96.0	3.95	1.71	1.82
6	95.0	218	27.5	151.4	174.5	238.0	7.93	5.51	0.73
7	218.4	184	26.6	95.8	185.0	110.0	6.92	3.60	1.68
8	157.4	241	33.3	90.4	287.5	130.0	7.24	2.71	2.21
9	70.9	143	28.4	79.8	164.0	95.8	5.04	2.81	1.71
10	106.3	154	25.3	68.3	195.5	79.2	6.09	2.70	2.47
11	99.2	148	26.4	83.3	164.0	95.8	5.61	3.16	1.71
12	167.3	175	22.4	125.0	154.0	137.6	7.81	5.58	1.12
13	141.8	216	40.7	131.2	208.5	101.2	5.31	3.22	2.06
14	75.1	113	32.7	62.9	108.2	65.2	3.46	1.92	1.66
15	76.5	225	25.5	168.0	154.0	72.4	8.82	6.59	3.13
Range	59.5-218.4	113-241	22.4-40.7	58.5-168.0	108.2-208.5	65.2-238.0	3.46-8.82	1.71-6.59	0.73-2.47
Mean	115.9	178.1	30.3	101.6	171.1	110.1	6.0	3.5	1.7
Number	15	15	15	15	15	15	15	15	15
S.D.	43.7	36.7	5.0	32.0	40.4	40.8	1.6	1.4	0.5
S.E.	11.3	9.5	1.3	8.3	10.4	10.5	0.4	0.4	0.1
P-value	<0.002	<0.002	<0.001	<0.025	<0.001	<0.025	<0.001	<0.001	<0.001
Significance	S.	S.	S.	S.	S.	S.	S.	S.	S.

T.G. : Triglycerides.
 T.C. : Total cholesterol.
 HDL-c : High density lipoprotein cholesterol.
 LDL-c : Low density lipoprotein cholesterol.
 Apo-A : Apolipoprotein A.
 Apo-B : Apolipoprotein B.
 P-value : Compared to male reference group.
 S. : Significant.

Table (11) Serum Lipid Profile and Apolipoprotein Levels in the Female Reference Group (Group II)

Number	T.G. (mg/dl)	T.C. (mg/dl)	HDL-c (mg/dl)	LDL-c (mg/dl)	Apo-A (mg/dl)	Apo-B (mg/dl)	Ratios		
							T.C./HDL-c	LDL-c/HDL-c	Apo-A/Apo-B
1	66	159	40	70	280	65	3.98	1.75	4.31
2	61	150	45	91	310	90	3.33	2.02	3.44
3	72	118	38	70	285	75	3.11	1.84	3.80
4	68	163	52	90	338	105	3.13	1.73	3.22
5	78	118	32	81	160	85	3.69	2.53	1.88
6	66	121	36	80	280	70	3.36	2.22	4.00
7	61	150	45	91	310	90	3.33	2.02	3.44
8	75.1	113	32.7	62.9	108.2	65.2	3.46	1.92	1.66
9	105	165	52	100	338	100	3.17	1.92	3.38
10	54	123	48	65	300	85	2.56	1.35	3.53
11	60	150	45	91	310	90	3.33	2.02	3.44
12	105	160	49	85	300	85	3.27	1.73	3.53
13	54	159	41	88	290	95	3.88	2.15	3.05
14	70.9	143	28.4	79.8	164	95.8	5.04	1.81	1.71
15	72	118	38	70	285	75	3.11	1.84	3.80
Range	54-105	113-165	28.4-52	62.9-100	108.2-338	65-105	2.56-5.04	1.35-2.81	1.66-4.31
Mean	71.2	140.7	44.5	81.0	290.5	84.7	3.25	2.0	3.3
Number	15	15	15	15	15	15	15	15	15
S.D	15.4	19.7	7.3	11.2	68.9	12.3	0.6	0.3	0.8
S.E.	4.0	5.1	1.9	2.9	17.8	3.2	0.2	0.1	0.2
P-value	>0.30	>0.40	>0.30	>0.25	>0.25	>0.35	>0.30	>0.49	>0.35
Significance	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.	N.S.

T.G. : Triglycerides.
 T.C. : Total cholesterol.
 HDL-c : High density lipoprotein cholesterol.
 LDL-c : Low density lipoprotein cholesterol.
 Apo-A : Apolipoprotein A.
 Apo-B : Apolipoprotein B.
 P-value : Compared to male reference group.
 N.S. : Non-significant.

Table (12) Serum Lipid Profile and Apolipoprotein Levels in the
Female Offsprings of Myocardial Infarction Patients (Group IV)

Number	T.G. (mg/dl)	T.C. (mg/dl)	HDL-c (mg/dl)	LDL-c (mg/dl)	Apo-A (mg/dl)	Apo-B (mg/dl)	Ratios		
							T.C./HDL-c	LDL-c/HDL-c	Apo-A/Apo-B
1	99	148	26.4	83.3	160	85	5.61	3.16	1.88
2	218	184	26.6	95.8	280	70	6.92	3.60	4.00
3	106	154	25.3	68.3	290	95	6.09	2.70	3.05
4	141	216	40.7	131.2	338	105	5.31	3.22	3.22
5	70	143	28.4	79.8	300	85	5.04	2.81	3.53
6	99	169	36.5	86.9	285	75	4.63	2.38	3.80
7	103	187	33.7	94.0	310	90	5.55	2.79	3.44
8	75	113	32.7	62.9	300	85	3.46	1.92	3.53
9	76	225	25.5	168.0	280	65	8.82	6.59	4.31
10	154	200	28.4	115.3	338	100	7.04	4.06	3.38
11	59	135	34.2	58.5	160	85	3.95	1.71	1.88
12	113	164	33.1	113.5	285	75	4.95	3.43	3.80
13	103	187	33.7	94.0	310	90	5.55	2.79	3.44
14	106	154	25.3	68.3	338	100	6.09	2.70	3.38
15	99	169	36.5	86.9	310	90	4.63	2.38	3.44
Range	59-218	113-225	25.3-40.7	58.5-168.0	160-338	70-105	3.46-7.04	1.71-6.59	1.88-4.31
Mean	108.1	169.9	31.1	93.8	285.6	86.3	5.6	3.1	3.3
Number	15	15	15	15	15	15	15	15	15
S.D.	39.3	30.5	4.9	28.9	54.8	11.4	1.3	1.1	0.7
S.E.	10.2	7.9	1.3	7.5	14.2	2.9	0.3	0.3	0.2
P-value	<0.002	<0.002	<0.001	<0.05	>0.25	>0.35	<0.001	<0.001	>0.35
Significance	S.	S.	S.	S.	N.S.	N.S.	S.	S.	N.S.
P-value	>0.30	>0.25	>0.40	>0.25	<0.001	<0.025	>0.20	>0.20	<0.001
Significance	N.S.	N.S.	N.S.	N.S.	S.	S.	N.S.	N.S.	S.

T.G. : Triglycerides.
 T.C. : Total cholesterol.
 HDL-c : High density lipoprotein cholesterol.
 LDL-c : Low density lipoprotein cholesterol.
 Apo-A : Apolipoprotein A.
 Apo-B : Apolipoprotein B.
 P-value : Compared to female reference group.
 P-value : Compared to male offsprings of myocardial infarction patients.
 S. : Significant.
 N.S. : Non-significant.