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Table (1) : Clinical data of diabetic patients without autonomic neuropathy

No.	Age	Duration of diabetes	BL/Pr	Pulse
1	55 years	10 years	150/90	90
2	60 years	6 years	140/90	86
3	59 years	6 years	130/80	82
4	44 years	7 years	130/70	84
5	55 years	5 years	120/80	78
6	60 years	10 years	150/90	80
7	60 years	5 years	130/80	82
8	59 years	10 years	140/80	78
9	43 years	8 years	120/80	84
10	47 years	7 years	130/80	82
11	58 years	10 years	130/80	80
12	64 years	10 years	140/90	80
13	45 years	9 years	150/80	82
14	57 years	18 years	140/90	86
15	55 years	10 years	140/90	88
16	44 years	6 years	120/80	82
17	66 years	5 years	140/70	84
18	58 years	7 years	140/90	80
19	40 years	9 years	110/80	80
20	53 years	10 years	150/90	82
21	60 years	6 years	150/90	84
22	65 years	10 years	120/70	86
23	55 years	7 years	130/80	88
24	54 years	5 years	110/70	90
25	58 years	5 years	110/70	88
26	50 years	6 years	140/90	84
27	60 years	7 years	130/80	82
28	55 years	8 years	110/70	80
29	60 years	8 years	110/70	80
30	68 years	8 years	130/80	86

Table (2) : Clinical data of diabetic patients with autonomic neuropathy

No.	Age	Duration of diabetes	BL Pr.	Pulse	Neuropathy
1	55 years	5 years	110/70	85	++
2	46 years	5 years	110/70	90	++
3	56 years	6 years	110/70	88	++
4	49 years	6 years	130/60	96	+
5	55 years	5 years	130/80	90	+
6	60 years	6 years	140/90	90	+
7	42 years	5 years	100/70	90	++
8	56 years	6 years	110/70	88	++
9	45 years	6 years	100/70	86	++
10	62 years	7 years	140/90	100	+
11	55 years	5 years	110/70	90	+
12	58 years	5 years	130/80	92	+
13	60 years	5 years	140/90	92	+
14	46 years	8 years	100/70	92	+
15	60 years	5 years	120/70	90	++
16	55 years	5 years	110/70	85	++
17	50 years	7 years	140/90	100	+
18	50 years	5 years	140/85	95	+
19	53 years	10 years	140/90	100	+
20	70 years	6 years	140/90	98	+
21	60 years	5 years	120/80	92	++
22	62 years	6 years	120/70	85	++
23	53 years	9 years	125/75	100	+
24	61 years	7 years	130/85	82	++
25	58 years	6 years	120/70	90	++
26	60 years	10 years	135/90	105	+
27	53 years	8 years	130/80	100	+
28	60 years	9 years	140/85	100	+
29	54 years	10 years	120/70	85	++
30	56 years	9 years	120/75	80	++
31	64 years	8 years	140/90	100	+

+ Parasympathetic neuropathy

(no = 17)

++ Parasympathetic & sympathetic neuropathy

(no = 14)

Table (3) : Laboratory findings in diabetic patients without autonomic neuropathy.

No.	Urea	Creatinine	Blood glucose		Total protein	Albumin	Bilirubin	SGOT	SGPT	alk. Ph.	Clot. test	TG	HDLc	LDLc	No. mEq/L	K ⁺ mEq/L
			Fasting	2 hours												
1	35	0.8	90	175	7.5	3.5	1.5	35	30	10	120	190	40	140	140	4.5
2	38	0.9	275	300	8.0	4.2	0.8	30	33	11	190	120	30	150	140	4.4
3	33	0.8	260	290	7.5	4.0	0.9	32	34	10	180	110	25	170	138	4.4
4	32	0.8	180	305	7.0	4.0	1.0	30	35	8	150	100	38	140	140	4.5
5	33	1.0	90	180	7.5	3.5	1.0	28	33	10	160	110	40	120	138	4.4
6	34	1.2	120	190	8.0	4.4	0.9	33	36	12	200	170	40	180	140	4.5
7	38	0.8	100	165	7.0	3.5	1.0	28	33	11	170	110	38	130	140	4.5
8	32	0.8	200	250	8.0	4.0	0.9	35	38	12	190	180	30	170	138	4.4
9	28	0.9	235	290	8.0	4.2	0.8	29	36	11	160	110	42	130	138	4.4
10	28	0.8	165	190	7.2	3.8	1.0	30	32	10	170	100	48	120	140	4.5
11	32	0.8	100	145	8.0	4.2	0.8	28	33	9	200	170	30	170	142	4.4
12	45	1.2	80	200	8.0	4.0	0.8	32	34	10	200	150	32	180	140	4.5
13	38	0.9	100	200	7.5	3.5	1.0	35	33	11	160	100	42	120	138	4.5
14	28	0.9	215	250	8.0	4.3	0.9	28	33	8	180	130	32	170	138	4.4
15	30	1.1	200	230	7.5	3.8	1.0	33	35	10	190	110	30	175	140	4.4
16	28	1.1	250	300	8.0	3.8	1.0	29	33	11	160	120	35	150	140	4.5
17	28	0.9	94	125	8.0	4.2	1.0	33	38	10	180	110	38	140	140	4.5
18	28	0.9	90	106	7.8	3.8	1.0	28	32	9	160	100	41	138	138	4.4
19	32	1.0	89	120	7.6	3.9	0.9	30	33	10	190	120	52	165	138	4.5
20	29	1.1	180	230	8.0	4.0	0.8	32	37	11	200	170	36	165	138	4.4
21	38	1.1	94	140	7.5	3.0	0.9	30	33	9	200	150	42	155	140	4.5
22	28	0.9	110	180	7.5	3.5	1.0	28	30	10	210	165	29	170	138	4.4
23	32	1.0	235	265	8.0	4.0	0.9	33	31	11	190	110	52	155	138	4.5
24	29	1.1	190	210	8.0	4.0	0.9	30	33	9	170	110	49	130	138	4.5
25	28	0.8	135	180	7.5	4.0	0.9	40	38	11	180	160	39	130	140	4.4
26	35	1.0	200	340	8.0	4.0	0.9	33	36	10	190	140	36	155	138	4.5
27	32	0.9	190	240	7.9	3.9	0.9	24	30	11	200	130	32	150	140	4.5
28	30	1.0	180	240	8.0	4.0	0.9	33	36	10	250	165	40	160	138	4.4
29	38	0.8	110	145	8.0	3.9	0.9	30	32	9	150	180	45	105	140	4.5
30	32	1.2	120	185	7.9	3.9	1.0	32	33	10	230	180	35	150	140	4.5

Table (4) : Laboratory findings in diabetic patients with autonomic neuropathy.

No.	Urea	Creat- nine	Blood glucose		Total protein	Albu- min	BUN mg/dl	SGOT	SGPT	pH	Chol- est	TG <160	HDLc	LDLc	No. mEq/L	mEq/L
			Fasting	2 hours												
1	38	1.2	180	210	7.5	3.5	0.9	32	38	10	240	170	48	165	136	4.2
2	24	0.9	110	130	8.0	4.0	0.9	34	36	11	160	120	46	110	138	4.5
3	34	1.1	140	190	7.8	3.8	0.9	28	32	12	290	180	26	160	138	4.5
4	28	0.8	120	140	7.9	3.9	1.0	30	34	11	165	125	48	120	136	4.3
5	36	1.1	200	240	8.0	4.0	0.9	28	33	10	290	190	26	170	138	4.5
6	28	1.0	110	125	7.8	3.7	0.9	30	32	11	280	140	29	175	140	4.5
7	28	0.9	100	110	8.0	4.0	0.9	30	34	10	150	130	35	120	140	4.5
8	28	0.9	195	235	7.8	4.0	0.9	30	32	11	230	166	30	165	138	4.5
9	30	1.0	95	105	8.0	3.8	0.8	31	33	9	155	125	39	130	138	4.4
10	30	1.1	120	140	8.0	4.0	0.9	33	38	10	240	165	30	175	140	4.5
11	28	1.1	150	170	7.8	3.8	0.9	23	32	11	200	140	29	170	136	4.2
12	39	1.4	120	145	8.0	4.0	1.0	30	33	10	160	110	38	120	138	4.4
13	32	0.9	130	170	7.9	3.8	0.9	28	43	9	180	160	40	160	140	4.5
14	34	1.0	150	200	8.0	3.9	1.0	30	32	10	260	190	30	170	138	4.4
15	30	1.0	120	150	8.0	4.0	0.9	30	33	10	180	120	40	140	138	4.5
16	28	0.9	110	150	7.8	3.8	0.9	32	34	11	180	130	43	142	138	4.5
17	30	1.3	120	170	8.0	3.9	1.0	33	36	10	240	195	30	160	138	4.4
18	32	0.9	130	180	7.8	3.9	0.9	32	34	11	190	140	36	150	136	4.3
19	30	0.9	89	150	8.0	4.0	1.0	33	38	11	230	180	30	180	136	4.4
20	28	0.8	89	127	7.9	3.8	0.9	22	33	10	150	100	40	140	138	4.5
21	30	1.1	100	170	8.0	4.0	1.0	30	32	11	180	140	38	142	138	4.5
22	30	1.3	80	100	8.0	4.0	0.9	40	38	11	140	120	40	120	138	4.4
23	30	0.9	100	160	7.9	3.9	0.9	33	36	10	190	180	40	160	138	4.5
24	28	1.3	120	190	8.0	4.0	0.9	32	38	11	180	140	58	140	140	4.4
25	40	1.4	110	180	7.9	3.8	0.9	33	36	10	190	150	40	140	138	4.5
26	40	1.2	140	267	7.9	3.9	0.9	38	39	10	270	180	30	170	138	4.5
27	30	0.9	120	210	8.0	3.9	0.9	30	32	10	260	155	32	155	138	4.5
28	42	1.4	110	200	7.9	4.0	1.0	32	36	11	270	165	30	165	140	4.5
29	28	1.2	140	210	8.0	3.9	0.9	31	36	10	210	170	36	150	138	4.4
30	42	1.2	120	190	7.8	3.8	0.8	32	35	10	200	166	39	145	140	4.4
31	38	1.4	130	200	8.0	4.0	0.9	30	32	11	260	170	38	175	138	4.4

Table (6) : Echocardiographic parameters in diabetic patients without autonomic neuropathy

Case no.	L.A.D.D 30-45 cm	R.A.D.D 20-35 cm	P.A. 20-40 %	E.P. 40-60 cm	S.P.T 47-1.1 cm	P.W.T 47-1.1 cm	L.A.D 10-4 cm	R.A.D 20-30 cm	E.P.D 47-2.3 cm
1	3.9	2.9	25	0.59	1.2	0.9	3.6	2.8	2.1
2	3.7	2.5	33	0.7	0.8	0.7	3.1	3.0	1.9
3	4.3	2.5	42	0.8	0.9	0.8	2.4	3.1	1.7
4	3.9	2.8	26	0.6	1.0	0.9	2.9	2.8	2.0
5	4.3	2.4	40	0.76	0.9	0.8	3.0	2.9	1.8
6	5.1	2.7	47	0.84	1.1	1.0	3.2	3.3	1.2
7	4.4	3.2	34	0.71	1.1	1.0	3.5	3.1	1.4
8	4.1	2.4	41	0.8	0.9	0.8	3.4	2.9	1.1
9	3.9	2.8	26	0.6	1.1	0.9	3.3	2.8	1.7
10	3.9	2.9	25	0.59	1.2	0.9	3.6	2.8	1.4
11	4.2	2.4	40	0.79	0.9	0.8	3.3	2.8	1.3
12	4.9	3.4	29	0.65	1.0	0.8	3.9	3.1	1.9
13	3.8	2.65	28	0.63	0.9	0.9	4.0	3.5	2.0
14	3.7	2.6	29	0.64	1.0	0.8	3.9	3.2	1.9
15	4.0	2.9	28	0.59	1.1	0.9	3.8	3.1	1.8
16	3.9	2.8	26	0.61	0.9	0.9	3.9	3.5	2.0
17	4.7	2.7	41	0.79	1.1	0.8	3.9	3.4	1.9
18	4.1	2.5	40	0.8	0.9	0.9	3.5	3.2	1.8
19	3.8	2.7	29	0.64	1.0	0.9	3.3	3.1	1.9
20	4.2	2.4	40	0.79	0.9	0.8	3.4	3.1	1.9
21	4.3	2.5	39	0.68	1.1	0.9	3.3	2.9	1.8
22	4.6	3.2	31	0.68	0.9	0.8	3.6	3.3	1.9
23	3.9	2.8	27	0.61	1.1	0.9	3.8	3.5	2.0
24	3.8	2.66	29	0.64	0.9	0.9	2.8	3.1	1.9
25	3.8	2.5	33	0.63	1.1	0.9	3.0	2.9	1.7
26	3.5	2.4	31	0.68	0.9	0.8	2.8	2.7	1.2
27	4.1	2.4	40	0.78	1.1	1.1	2.9	2.8	1.3
28	3.9	2.8	29	0.64	1.1	0.9	3.4	2.9	1.6
29	4.1	2.5	39	0.78	1.1	1.0	3.3	3.1	1.9
30	4.7	2.7	40	0.8	1.1	0.9	3.4	3.1	1.8

Table (7) : Echocardiographic parameters in diabetic patients without autonomic neuropathy

Case no	L.A.D.D 1.2-1.3 cm	L.V.D.D 2.0-2.4 cm	P.A. 28-42 %	E.F. 0.62- 0.85	S.V.T 0.7-1.1 cm	P.W.T 0.7-1.1 cm	L.A.D 1.9-4 cm	R.A.D 2.3-2.7 cm	R.V.D 0.7-2.3 cm
1	4.7	2.7	38	0.76	1.1	0.9	3.8	3.1	1.7
2	4.1	2.5	37	0.73	1.1	1.1	3.7	3.0	1.8
3	4.4	3.2	34	0.71	1.1	0.9	3.5	2.9	1.9
4	3.9	2.8	29	0.65	1.1	0.9	3.4	2.9	1.8
5	4.0	2.9	28	0.59	1.1	0.8	3.8	3.1	1.9
6	4.2	2.4	40	0.78	0.9	0.8	3.3	3.2	1.6
7	3.9	2.9	27	0.6	1.2	0.9	3.4	2.9	1.9
8	5.2	3.1	32	0.59	0.9	1.0	3.6	2.6	2.0
9	4.3	2.4	40	0.76	0.9	0.8	3.0	2.9	2.0
10	5.1	2.7	42	0.81	1.1	0.9	3.1	2.8	1.6
11	4.6	2.7	36	0.73	0.9	0.9	3.6	3.0	1.8
12	5.2	3.2	33	0.7	1.1	0.9	3.3	3.1	1.9
13	3.9	2.8	28	0.65	1.1	1.0	3.5	3.0	1.9
14	4.0	2.9	29	0.59	1.0	0.9	3.4	2.9	1.8
15	5.1	2.8	41	0.76	0.9	0.8	3.0	2.8	1.6
16	4.6	2.7	36	0.72	1.1	0.9	3.2	2.9	1.8
17	3.9	2.8	26	0.61	1.2	1.0	3.6	3.2	2.0
18	3.7	2.5	33	0.7	0.8	0.8	3.2	3.0	1.9
19	3.8	2.5	33	0.63	1.1	1.1	3.5	3.0	1.8
20	5.4	3.3	29	0.61	1.2	1.1	3.7	3.2	1.9
21	4.6	2.7	28	0.67	1.1	0.9	3.8	3.2	1.8
22	3.9	2.9	27	0.6	1.1	0.9	3.6	3.3	1.9
23	4.1	2.6	32	0.68	1.2	0.9	3.1	2.9	1.8
24	4.0	2.8	29	0.59	1.0	0.8	3.2	3.1	1.8
25	4.7	2.7	36	0.74	0.9	0.9	3.6	3.1	1.7
26	4.2	2.4	37	0.72	0.9	0.8	3.7	3.2	1.9
27	3.9	2.9	28	0.6	1.1	0.9	3.6	3.2	2.0
28	4.1	2.7	33	0.68	1.0	0.8	3.9	3.4	1.9
29	4.6	2.8	32	0.69	1.0	0.9	3.8	3.2	1.8
30	4.2	2.5	34	0.7	1.1	1.0	3.7	3.3	1.9
31	5.1	2.8	31	0.76	1.0	0.9	3.8	3.2	1.8

Table (8) : Echocardiographic parameters in the control group

Case no.	L.A.D.D 1.5-1.7 cm	L.A.A.D 2.0-2.1 cm	F.S. 25-32 %	E.F. 0.62- 0.85	A.V.T 0.7-1.1 cm	P.V.T 0.7-1.1 cm	L.A.D 1.5-1.7 cm	A.R.D 2.5-2.7 cm	A.P.D 0.7-1.1 cm
1	5.3	3.7	30	0.66	0.8	0.9	3.7	2.6	1.8
2	4.7	3.2	32	0.68	0.7	0.8	3.9	2.4	1.6
3	4.9	3.5	29	0.64	0.8	0.8	3.7	2.6	1.2
4	5.2	3.4	35	0.72	1.0	1.0	3.4	3.3	1.4
5	4.1	2.6	37	0.75	0.6	0.5	3.3	2.3	1.3
6	4.6	2.9	37	0.75	0.8	0.9	4.0	2.9	1.5
7	4.5	2.9	36	0.73	0.8	0.8	3.6	2.6	1.6
8	3.7	2.3	34	0.72	0.9	0.8	3.7	2.7	1.2
9	4.25	2.8	34	0.71	0.7	0.7	3.7	3.0	1.3
10	4.8	2.9	40	0.78	0.8	0.9	3.9	2.7	1.4
11	4.5	3.0	33	0.70	0.7	0.6	3.8	2.7	1.7
12	5.0	3.4	32	0.69	0.8	0.8	3.65	2.9	1.6
13	4.5	2.8	38	0.76	0.6	0.5	3.6	2.4	1.1
14	4.7	3.2	32	0.68	0.6	0.7	2.9	3.1	1.3
15	4.4	2.8	37	0.65	0.7	0.7	3.5	2.6	1.5
16	3.4	2.1	34	0.72	0.6	0.6	2.4	3.2	1.1
17	3.8	2.5	34	0.72	0.7	0.7	3.1	2.4	1.3
18	4.9	3.5	29	0.64	0.8	0.8	3.2	2.5	1.4
19	4.9	3.0	40	0.78	0.85	0.75	3.3	2.6	1.5
20	4.6	3.0	35	0.72	0.9	0.8	3.4	2.4	1.3
21	4.0	2.6	35	0.73	0.8	0.7	3.2	2.7	1.7

Table (9) : E.C.G changes of diabetics without A.N. before versu after exercise Tress test.

	B	A	B	A	B	A	B	A	B	A	
1	0.18	0.18	0.4	0.4	14	12	-	-	-	-	-
2	0.16	0.16	0.4	0.4	16	16	-	-	-	-	-
3	0.16	0.16	0.42	0.41	18	17	-	-	-	-	-
4	0.18	0.16	0.42	0.42	20	18	+	+	-	-	-
5	0.2	0.2	0.4	0.4	20	20	-	-	-	-	-
6	0.2	0.22	0.38	0.38	16	14	-	-	-	-	-
7	0.12	0.14	0.4	0.42	17	15	-	-	-	-	-
8	0.16	0.16	0.4	0.4	18	16	-	-	-	-	-
9	0.12	0.12	0.4	0.42	8	17	-	-	-	-	+ 1mm (4 min.)
10	0.2	0.2	0.4	0.4	17	15	-	-	-	-	-
11	0.16	0.14	0.4	0.4	16	16	-	-	-	-	-
12	0.18	0.18	0.4	0.4	15	11	-	-	-	-	-
13	0.18	0.16	0.42	0.42	18	14	-	-	-	-	-
14	0.2	0.2	0.4	0.4	12	12	-	-	-	-	-
15	0.2	0.18	0.38	0.38	16	14	-	-	-	-	-
16	0.16	0.16	0.4	0.4	15	12	-	-	-	-	-
17	0.2	0.2	0.38	0.4	11	22	-	-	-	-	+ 1 mm (3 min.)
18	0.22	0.2	0.4	0.4	15	11	-	-	-	-	-
19	0.12	0.16	0.4	0.4	23	19	-	-	-	-	-
20	0.16	0.16	0.4	0.4	20	18	-	-	-	-	-
21	0.14	0.16	0.38	0.38	14	22	-	+	-	-	+ 1 mm (4 min.)
22	0.16	0.16	0.4	0.4	16	16	-	-	-	-	-
23	0.2	0.2	0.38	0.38	18	17	-	-	-	-	-
24	0.2	0.18	0.38	0.38	23	19	-	-	-	-	-
25	0.2	0.2	0.38	0.38	18	16	-	-	-	-	-
26	0.18	0.18	0.4	0.4	20	19	-	-	-	-	-
27	0.16	0.16	0.4	0.4	18	16	-	-	-	-	-
28	0.18	0.16	0.4	0.41	20	18	-	-	-	-	-
29	0.2	0.2	0.4	0.4	18	18	-	-	-	-	-
30	0.22	0.2	0.38	0.4	16	22	-	-	-	-	+ 2mm (4min.)

Table (11) : E.C.G changes of control group before versu after exercise Tress test.

No.	P-R		Q-T		ST-segment		T-R wave		ST-segment		ST-segment Depression
	B	A	B	A	B	A	B	A	B	A	
1	0.16	0.16	0.4	0.4	15	14	+	+	-	-	-
2	0.18	0.18	0.42	0.4	16	14	-	-	-	-	-
3	0.18	0.16	0.4	0.4	15	15	-	-	-	-	-
4	0.2	0.2	0.38	0.38	20	18	-	-	-	-	-
5	0.2	0.18	0.38	0.38	16	16	-	-	-	-	-
6	0.16	0.16	0.38	0.4	16	15	-	-	-	-	-
7	0.2	0.2	0.4	0.42	15	14	-	-	-	-	-
8	0.12	0.14	0.4	0.4	16	15	-	-	-	-	-
9	0.12	0.12	0.38	0.38	15	11	-	-	-	-	-
10	0.16	0.16	0.38	0.38	18	14	-	-	-	-	-
11	0.18	0.16	0.4	0.4	16	15	+	+	-	-	-
12	0.18	0.18	0.4	0.4	14	12	-	-	-	-	-
13	0.2	0.2	0.4	0.4	15	11	-	-	-	-	-
14	0.18	0.18	0.38	0.38	16	14	-	-	-	-	-
15	0.18	0.18	0.38	0.38	15	14	-	-	-	-	-
16	0.2	0.2	0.4	0.4	16	16	-	-	-	-	-
17	0.2	0.2	0.4	0.42	14	10	-	-	-	-	+ 1mm (3 min.)
18	0.16	0.16	0.4	0.4	20	18	-	-	-	-	-
19	0.16	0.16	0.4	0.4	18	16	-	-	-	-	-
20	0.16	0.18	0.38	0.38	18	17	-	-	-	-	-
21	0.2	0.2	0.4	0.4	15	15	-	-	-	-	-

Table (12) : Haemodynamic data during exercise E.C.G. in diabetics with A.N.

Case No.	P.R.		Syst. B.P.	
	Rest	Exercise	Rest	Exercise
1	85	145	110	145
2	90	142	110	150
3	88	151	110	140
4	96	152	130	190
5	90	154	130	180
6	90	148	140	200
7	90	150	100	170
8	88	152	110	175
9	86	148	100	155
10	100	152	140	195
11	90	156	110	180
12	92	160	130	190
13	92	154	140	200
14	92	162	100	145
15	90	146	120	155
16	85	151	110	160
17	100	156	140	185
18	95	160	140	195
19	100	149	140	175
20	98	140	140	190
21	92	146	120	160
22	85	148	120	165
23	100	150	125	205
24	82	148	130	180
25	90	153	120	185
26	105	149	135	200
27	100	154	130	195
28	100	147	140	205
29	85	139	120	170
30	80	141	120	165
31	100	149	140	185

Table (13) : Haemodynamic data during exercise E.C.G. in diabetics without A.N.

Case No	P.R.		Syst. Bl. Pr.	
	Rest	Exercise	Rest	Exercise
1	90	152	150	210
2	86	150	140	190
3	82	158	130	180
4	84	160	130	210
5	78	165	120	200
6	80	157	150	210
7	82	148	130	190
8	78	155	140	210
9	84	156	120	180
10	82	159	130	175
11	80	156	130	185
12	80	149	140	200
13	82	160	150	210
14	86	157	140	205
15	88	159	140	185
16	82	152	120	170
17	84	148	140	195
18	80	157	140	180
19	80	162	110	165
20	82	163	150	200
21	84	154	150	190
22	86	166	120	175
23	88	167	130	190
24	90	154	110	165
25	88	148	110	160
26	84	169	140	200
27	82	160	130	175
28	80	149	110	155
29	80	152	110	160
30	86	169	130	180

Table (14) : Haemodynamic data during exercise E.C.G. in control group.

Case No.	H.R.		Syst. Bl. Pp.	
	Rest	Exercise	Rest	Exercise
1	74	166	130	195
2	78	162	115	205
3	76	159	120	200
4	80	160	130	190
5	72	164	120	190
6	80	156	125	175
7	70	158	115	160
8	68	155	110	200
9	80	151	135	195
10	78	160	130	190
11	84	138	115	185
12	65	145	110	190
13	82	150	130	200
14	80	138	110	180
15	72	148	105	175
16	78	150	140	210
17	84	158	130	195
18	80	155	110	190
19	80	150	120	180
20	70	136	135	190
21	74	141	140	195

Table (15) : Symptomatology during treadmill exercise ECG testing in diabetics with A.N.

Case No.	Chest pain	Angina	Fatigue	Clonidine	Palpitation	Yaws	Exercise stage and duration
1	-	+	-	+	-	-	III (7min.)
2	-	-	-	-	-	-	II (5min.)
3	-	+	-	-	-	-	II (4min.)
4	-	+	-	-	-	-	III (7min.)
5	-	-	-	+	-	-	III(7min.)
6	+	-	-	-	-	-	I(2min.)
7	-	-	-	-	-	-	II(4min.)
8	-	+	+	-	-	-	III(7min.)
9	-	-	-	+	+	-	II(5min.)
10	-	+	-	-	-	-	II(4min.)
11	-	+	+	-	-	-	II(4min.)
12	-	+	-	-	-	-	I(2min.)
13	-	+	+	-	-	-	I(2min.)
14	-	+	+	-	-	-	III(7min.)
15	-	+	+	-	-	-	II(4min.)
16	-	-	-	-	+	-	II(4min.)
17	-	-	-	+	-	-	III(7min.)
18	-	-	-	-	-	-	II(5min.)
19	-	+	+	-	-	-	III(7min.)
20	-	-	-	-	-	-	I(2min.)
21	-	+	+	-	-	-	II(4min.)
22	-	-	-	-	-	-	II(4min.)
23	-	+	+	-	-	-	II(5min.)
24	-	+	+	-	+	-	II(4min.)
25	-	-	-	-	-	+	II(4min.)
26	-	-	-	-	+	-	II(4min.)
27	-	-	-	+	-	-	II(4min.)
28	-	-	-	+	-	-	II(4min.)
29	-	+	+	-	-	-	III(7min.)
30	-	+	+	-	-	-	III(7min.)
31	-	-	-	-	-	+	III(7min.)

Table (16) : Symptomatology during treadmill exercise ECG testing in diabetics without A.N.

Case No.	Chest pain	Shortness of breath	Fatigue	Clonidine	Palpitation	Fear	Exercise stage and duration
1	-	+	+	-	-	-	III(8min.)
2	-	+	+	-	-	-	III(8min.)
3	-	-	+	+	-	-	II(5min.)
4	-	-	+	-	-	-	III(8min.)
5	-	+	+	-	-	-	II(6min.)
6	-	+	+	+	-	-	II(5min.)
7	-	+	+	-	-	-	II(5min.)
8	-	-	+	+	-	-	II(5min.)
9	+	+	-	-	-	-	III(7min.)
10	-	+	-	+	-	-	III(8min.)
11	-	+	+	-	-	-	II(5min.)
12	-	+	+	-	-	-	I(3min.)
13	-	+	-	+	-	-	III(9min.)
14	-	+	-	-	-	-	II(5min.)
15	-	+	-	-	-	-	I(3min.)
16	-	+	-	-	-	-	III(9min.)
17	+	+	-	-	-	-	I(3min.)
18	-	+	-	+	-	-	I(3min.)
19	-	+	+	-	-	-	IV(10min.)
20	-	-	+	+	-	-	II(5min.)
21	+	-	-	-	-	-	II(5min.)
22	-	+	+	-	-	-	II(4min.)
23	-	+	-	+	-	-	I(3min.)
24	-	+	+	-	-	-	II(5min.)
25	-	-	+	+	-	-	I(3min.)
26	-	+	+	-	-	-	II(5min.)
27	-	+	-	-	-	-	I(3min.)

Table (17) : Symptomatology during treadmill exercise ECG testing in control group

Case No.	Chest pain	Shortness of breath	Palpitations	Clenching of teeth	Headache	Nausea	Exercise stage and duration
1	-	+	+	-	-	-	IV(10min.)
2	-	+	+	-	-	-	IV(10min.)
3	-	+	-	-	-	-	IV(10min.)
4	-	+	-	-	-	-	III(8min.)
5	-	+	-	-	-	-	III(8min.)
6	-	+	+	+	-	-	IV(10min.)
7	-	+	+	-	-	-	IV(10min.)
8	-	+	+	-	-	-	IV(10min.)
9	-	+	+	-	-	-	IV(10min.)
10	-	+	+	-	-	-	IV(8min.)
11	-	+	+	-	-	-	III(8min.)
12	-	+	+	-	-	+	IV(10min.)
13	-	+	-	-	-	-	III(9min.)
14	-	+	-	-	-	-	III(8min.)
15	-	+	-	-	-	-	IV(10min.)
16	-	+	-	+	-	-	III(8min.)
17	+	+	-	-	-	-	III(9min.)
18	-	-	-	+	-	-	II(6min.)
19	-	+	-	-	-	-	III(8min.)
20	-	+	+	-	-	-	III(8min.)
21	-	+	-	-	-	-	III(8min.)