

Table (8): Relation between angiography among the two studied groups and syntax-score

Group	Variable	Syntax					Test	P value
		N	Mean	SD	Median	Range		
Group I	LM:							
	Normal	22	6.98	10.67	0	0 – 31.5	MW 0.46	0.65 NS
	Abnormal	3	6.17	5.80	7	0 – 11.5		
	LAD:						K 21.64	<0.001** HS
	Normal	13	0	0	0	0		
	No significant significant lesion	1 11	0 15	0 9.77	0 11.5	0 7 – 31.5		
	LCX:						K 7.93	0.03* S
	Normal	19	4.16	8.02	0	0 – 28.5		
	No significant significant lesion	3 3	11.33 19.67	14.01 10.49	7 16	0 – 27 11.5 – 31.5		
	RCA:						K 13.86	0.001** HS
	Normal	19	2.66	5.47	0	0 – 21.5		
	No significant significant lesion	3 3	11.5 29	4.5 2.29	11.5 28.5	7 – 16 27 – 31.5		
Group II	LM:						--	--
	Normal	14	8.25	10.13	6	0 - 34		
	Abnormal	0	-	---	----	-----		
	LAD:						MW 10.79	0.005** HS
	Normal	4	0	0	0	0		
	No significant significant lesion	3 7	1.67 15.79	2.89 9.28	0 12	0 – 5 7 - 34		
	LCX:						K 6.3	0.04* S
	Normal	8	6.44	7.56	0	0.5 – 19.5		
	No significant significant lesion	3 3	1.67 19.67	2.89 13.58	0 18	0 – 5 7 - 34		
	RCA:						K 5.98	0.04* S
	Normal	9	4.67	7.21	0	0 – 18		
	No significant significant lesion	1 4	7 16.63	0 13.16	7 14	7 5 - 34		

Sd: Standard deviation MW: Mann Whitney test *: Significant (P<0.05) **: Highly significant (P<0.01)

Table (9): Validity of MCP-1 in prediction of +ve Exercise ECG test:

Cutoff	AUC	CI	Sens.	Spec.	+PV	-PV	LR+	LR-	Accuracy	p-value
≥186.5	0.77	0.61 – 0.92	71.4	72	58.8	81.8	0.03	0.40	71.8	0.006**

Table (10): Validity of MCP-1 in prediction of abnormal angiography among -ve Exercise ECG cases:

Cutoff	AUC	CI	Sens.	Spec.	+PV	-PV	LR+	LR-	Accuracy	p-value
≥113.5	0.90	0.76-1.03	91.7	84.6	85.7	91.7	5.95	0.1	88	0.001*

Table (11): Validity of MCP-1 in prediction of High syntax score (Syntax>28).

Cutoff	AUC	CI	Sens.	Spec.	+PV	-PV	LR+	LR-	Accuracy	p-value
≥406	0.82	0.53-1.11	66.7	80.6	22.2	96.7	3.53	0.41	79.5	0.04*

Table (12): Multivariate Analysis of significant variables for (MCP-1) in the studied group:

Variables	Regression Coefficient	P
Syntax	0.46	<0.001** HS
Cholesterol (mg/dl)	0.48	0.32 NS
TG (mg/dl)	-0.21	0.06 NS
LDL (mg/dl)	0.33	0.12 NS
HDL (mg/dl)	0.09	0.13 NS
Creatinine (mg/dl)	-0.07	0.10 NS
FBS (mg/dl)	-0.05	0.12 NS
No of lesions	0.54	0.01* S
No of vessels	0.55	0.01* S
$r=0.87, r^2=0.76$ ANOVA $P<0.000^*$ Durbin – Watson ratio = 1.68 Predicted value = 237		

Table (13): Multivariate Analysis of significant variables for (Syntax-score) in the studied group:

Variables	Regression Coefficient	P
MCP-1	0.47	<0.001** HS
Cholesterol (mg/dl)	0.35	0.32 NS
TG (mg/dl)	-0.10	0.06 NS
LDL (mg/dl)	0.31	0.12 NS
HDL (mg/dl)	0.10	0.13 NS
Creatinine (mg/dl)	-0.01	0.10 NS
FBS (mg/dl)	-0.02	0.12 NS
No of lesions	0.62	0.01* S
No of vessels	0.63	0.01* S
$r=0.94, r^2=0.89$ ANOVA $P<0.000^*$ Durbin – Watson ratio = 1.27 Predicted value = 7.37		