Table 1 Socio-demographic characteristics of the studied participants.

			Cases (n = 30)	Controls (n = 15)	Total (n = 45)	P-value
Age (years)	**Mean ± SD**		59.2 ± 10.4	53.6 ± 11.1	57.36 ± 10.8	0.1 #
	Range		(40-80)	(32-70)	(32 – 80)	
Gender	**Male**	**No.**	19	8	27	0.5 **
		%	70.4	29.6	60	
	Female	**No.**	11	7		
		%	61.1	38.9	40	

P-value is calculated by Independent Samples T-test,
** P-value is calculated by Chi-square.

Table 2: Comparison between the studied participants in RDW, TNT, and NT- proBNP

		Cases (n=30)		Controls (n = 15)	P	P1	P2	P3
		At admission	At discharge					
RDW (%)	Mean ± SD	13.2 ± 1.5	12.4 ± 1.1	12.1 ± 0.8	0.03*	0.100*	0.06	1.0
	Median	13.2	12.2	12.0				
cTnT (ng/mL)	Mean ± SD	1054.3 ± 1158.4	2572.6 ± 755.6	27.7 ± 6.6	0.001*	1.0	0.001*	0.005*
	Median	526	2785	27				
NT-proBNP (pg/mL)	Mean ± SD	298.5 ± 321	2301 ± 2199.2	44.6 ± 8.4	0.001*	1.0	0.001*	0.002*
	Median	208	1589.5	44				

* Level of significance < 0.05, P-value is calculated by Kruskal–Wallis test, Adjusted P-value of pairwise comparison P1 cases at admission Vs cases at discharge, P2 Cases at discharge Vs controls, P3 cases at admission Vs controls.

Table 3: Comparison between AMI cases in RDW, cTNT, and NT- proBNB.

		Cases at admission (n=30)	Cases at discharge (n=30)	P-value ^
RDW (%)	**Mean ± SD**	13.2 ± 1.5	12.4 ± 1.1	< 0.001*
	Median	13.2	12.2	
	Range	(10.5 – 16)	(11 – 14.7)	
cTnT (ng/mL)	**Mean ± SD**	1054.3 ± 1158.4	2572.6 ± 755.6	< 0.001*
	Median	526	2785	
	Range	(45-4000)	(483-4400)	
NT-proBNP (pg/mL)	**Mean ± SD**	298.5 ± 321	2301 ± 2199.2	< 0.001*
	Median	208	1589.5	
	Range	(45 – 1643)	(1 – 9298)	

* Level of significance < 0.05, ^ P-value is calculated by Wilcoxon signed-rank test.

Table 4: Correlation between (RDW) with (cTnT) and (NT-proBNP) of AMI cases.

	RDW (%)	
	r value	**P-value ^^**
At admission		
cTnT (ng/mL)	0.3	0.06
NT-proBNP (pg/mL)	0.2	0.3
At discharge		
cTnT (ng/mL)	0.4	0.02*
NT-proBNP (pg/mL)	0.4	0.02*

* Level of significance < 0.05, ^^ P-value is calculated by Spearman's correlation

Table 5: Correlation between (cTnT) with (NT-proBNP) of AMI cases.

	cTnT (ng/mL)	
	r value	**P-value^^**
At admission		
NT-proBNP (pg/mL)	**0.4**	**0.02***
At discharge		
NT-proBNP (pg/mL)	**0.5**	**0.01***

* Level of significance < 0.05, ^^ P-value is calculated by Spearman's correlation