| **Table (1): Clinical and echocardiographic characteristics** | | | | |
| --- | --- | --- | --- | --- |
| **Variable** | **GLS higher than -10 & less than -16, N = 171** | **GLS higher than -16, N = 151** | **GLS less than -10, N = 121** | **p-value2** |
| **Patient age** | 50.41±10.53 | 45.53±11.17 | 56.17±7.85 | 0.020 |
| **Sex** |  |  |  | 0.004 |
| female | 6 (35%) | 0 (0%) | 6 (50%) |  |
| male | 11 (65%) | 15 (100%) | 6 (50%) |  |
| **Systolic blood pressure** | 127.65±20.16 | 121.33±8.34 | 115.00±23.16 | 0.17 |
| **Diastolic blood pressure** | 73.53±13.20 | 76.00±10.56 | 70.00±12.06 | 0.35 |
| **Heart rate** | 70.06±8.33 | 65.07±3.71 | 71.83±6.99 | 0.039 |
| **S.Troponin** | 1,394.12±877.12 | 1,571.87±856.42 | 1,651.67±1,945.24 | 0.14 |
| **Hemoglobin level** | 13.11±1.28 | 14.13±1.13 | 13.00±1.21 | 0.044 |
| **Lipid Profile** |  |  |  | 0.25 |
| high | 7 (41%) | 10 (67%) | 8 (67%) |  |
| normal | 10 (59%) | 5 (33%) | 4 (33%) |  |
| **HbA1c** | 8.60±1.07 | NA±NA | 7.68±1.05 | 0.10 |
| **Electrocardiogram** |  |  |  |  |
| NSTEMI | 17 (100%) | 15 (100%) | 12 (100%) |  |
| **Follow up during in-hospital stay** |  |  |  | <0.001 |
| developed symptoms of heart failure | 4 (24%) | 0 (0%) | 12 (100%) |  |
| discharged with good general condition | 13 (76%) | 15 (100%) | 0 (0%) |  |
| **Hypertension** |  |  |  | 0.14 |
| No | 11 (65%) | 13 (87%) | 6 (50%) |  |
| Yes | 6 (35%) | 2 (13%) | 6 (50%) |  |
| **Diabetes Mellitus** |  |  |  | <0.001 |
| No | 9 (53%) | 15 (100%) | 4 (33%) |  |
| Yes | 8 (47%) | 0 (0%) | 8 (67%) |  |
| **History of smoking** |  |  |  | <0.001 |
| Ex-smoker | 0 (0%) | 6 (40%) | 2 (17%) |  |
| No | 12 (71%) | 2 (13%) | 10 (83%) |  |
| Smoker | 5 (29%) | 7 (47%) | 0 (0%) |  |
| **LVESV** | 68.17±44.33 | 55.31±16.86 | 69.32±39.14 | 0.63 |
| **LVEDV** | 126.91±63.90 | 125.26±27.76 | 114.39±35.04 | 0.62 |
| **LVEF** | 48.83±7.42 | 57.94±6.42 | 37.26±10.35 | <0.001 |
| 1Mean±SD; n (%) | | | | |
| 2Kruskal-Wallis rank sum test; Fisher's exact test; Pearson's Chi-squared test | | | | |