| **Table (1): Clinical and echocardiographic characteristics** | | | | | |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Overall, N = 441** | **GLS higher than -10 & less than -16, N = 17** | **GLS higher than -16, N = 15** | **GLS less than -10, N = 12** | **p-value2** |
| **Patient age** |  |  |  |  | **0.020** |
| Mean ± SD | 50.32 ± 10.73 | 50.41 ± 10.53 | 45.53 ± 11.17 | 56.17 ± 7.85 |  |
| Median (IQR) | 50.50 (15.00) | 49.00 (7.00) | 43.00 (17.50) | 56.50 (11.00) |  |
| **Sex** |  |  |  |  | **0.004** |
| female | 12 (27%) | 6 (35%) | 0 (0%) | 6 (50%) |  |
| male | 32 (73%) | 11 (65%) | 15 (100%) | 6 (50%) |  |
| **Hypertension** |  |  |  |  | 0.14 |
| No | 30 (68%) | 11 (65%) | 13 (87%) | 6 (50%) |  |
| Yes | 14 (32%) | 6 (35%) | 2 (13%) | 6 (50%) |  |
| **Diabetes Mellitus** |  |  |  |  | **<0.001** |
| No | 28 (64%) | 9 (53%) | 15 (100%) | 4 (33%) |  |
| Yes | 16 (36%) | 8 (47%) | 0 (0%) | 8 (67%) |  |
| **HbA1c** |  |  |  |  | 0.10 |
| Mean ± SD | 8.19 ± 1.14 | 8.60 ± 1.07 | NA ± NA | 7.68 ± 1.05 |  |
| Median (IQR) | 8.20 (2.00) | 9.00 (1.00) | NA (NA) | 7.60 (1.52) |  |
| **History of smoking** |  |  |  |  | **<0.001** |
| Ex-smoker | 8 (18%) | 0 (0%) | 6 (40%) | 2 (17%) |  |
| No | 24 (55%) | 12 (71%) | 2 (13%) | 10 (83%) |  |
| Smoker | 12 (27%) | 5 (29%) | 7 (47%) | 0 (0%) |  |
| **Hemoglobin level** |  |  |  |  | **0.044** |
| Mean ± SD | 13.43 ± 1.29 | 13.11 ± 1.28 | 14.13 ± 1.13 | 13.00 ± 1.21 |  |
| Median (IQR) | 13.00 (2.00) | 13.00 (2.00) | 14.00 (2.00) | 12.50 (2.00) |  |
| **Lipid Profile** |  |  |  |  | 0.25 |
| high | 25 (57%) | 7 (41%) | 10 (67%) | 8 (67%) |  |
| normal | 19 (43%) | 10 (59%) | 5 (33%) | 4 (33%) |  |
| **Systolic blood pressure** |  |  |  |  | 0.17 |
| Mean ± SD | 122.05 ± 18.37 | 127.65 ± 20.16 | 121.33 ± 8.34 | 115.00 ± 23.16 |  |
| Median (IQR) | 120.00 (30.00) | 120.00 (30.00) | 120.00 (0.00) | 105.00 (40.00) |  |
| **Diastolic blood pressure** |  |  |  |  | 0.35 |
| Mean ± SD | 73.41 ± 12.00 | 73.53 ± 13.20 | 76.00 ± 10.56 | 70.00 ± 12.06 |  |
| Median (IQR) | 70.00 (20.00) | 70.00 (20.00) | 70.00 (10.00) | 65.00 (20.00) |  |
| **Heart rate** |  |  |  |  | **0.039** |
| Mean ± SD | 68.84 ± 7.13 | 70.06 ± 8.33 | 65.07 ± 3.71 | 71.83 ± 6.99 |  |
| Median (IQR) | 68.50 (10.00) | 70.00 (11.00) | 65.00 (5.00) | 71.50 (14.00) |  |
| **S.Troponin** |  |  |  |  | 0.14 |
| Mean ± SD | 1,524.95 ± 1,226.81 | 1,394.12 ± 877.12 | 1,571.87 ± 856.42 | 1,651.67 ± 1,945.24 |  |
| Median (IQR) | 1,054.00 (1,244.00) | 1,000.00 (1,600.00) | 1,450.00 (896.00) | 878.00 (243.00) |  |
| **Electrocardiogram** |  |  |  |  |  |
| NSTEMI | 44 (100%) | 17 (100%) | 15 (100%) | 12 (100%) |  |
| **LVESV** |  |  |  |  | 0.63 |
| Mean ± SD | 64.10 ± 35.45 | 68.17 ± 44.33 | 55.31 ± 16.86 | 69.32 ± 39.14 |  |
| Median (IQR) | 56.00 (29.40) | 44.00 (26.70) | 47.00 (29.50) | 63.50 (15.90) |  |
| **LVEDV** |  |  |  |  | 0.62 |
| Mean ± SD | 122.94 ± 45.96 | 126.91 ± 63.90 | 125.26 ± 27.76 | 114.39 ± 35.04 |  |
| Median (IQR) | 103.00 (36.60) | 100.00 (50.03) | 112.00 (37.40) | 103.00 (18.00) |  |
| **LVEF** |  |  |  |  | **<0.001** |
| Mean ± SD | 48.78 ± 11.30 | 48.83 ± 7.42 | 57.94 ± 6.42 | 37.26 ± 10.35 |  |
| Median (IQR) | 50.60 (16.25) | 50.30 (7.06) | 57.00 (12.20) | 35.23 (17.63) |  |
| **Follow up during in-hospital stay** |  |  |  |  | **<0.001** |
| developed symptoms of heart failure | 16 (36%) | 4 (24%) | 0 (0%) | 12 (100%) |  |
| discharged with good general condition | 28 (64%) | 13 (76%) | 15 (100%) | 0 (0%) |  |
| 1c("Mean ± SD", "Median (IQR)"); n (%) | | | | | |
| 2Kruskal-Wallis rank sum test; Fisher's exact test; Pearson's Chi-squared test | | | | | |