**Table 1: Symptoms and background history in patients with heart failure due to DCM and other causes.**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Heart failure due to**  **other causes** | | | **Heart failure due**  **to DCM** | | **Heart failure** | |
| **Variable** | | **Yes** | **No** | **Yes** | **No** | **Other causes %** | **DCM %** |
| **Symptom** | |  |  |  |  |  |  |
| Palpitation | | 39 | 2 | 29 | 2 | 95.1 | 93.5 |
| Orthopnea | | 30 | 11 | 25 | 6 | 73.2 | 80.6 |
| Paroxysmal nocturne dyspnea | | 27 | 14 | 23 | 8 | 65.9 | 74.2 |
| Chest pain | | 13 | 28 | 9 | 22 | 31.7 | 29.0 |
| **History of** | |  |  |  |  |  |  |
| Hypertension | | 10 | 31 | 7 | 24 | 24.4 | 22.6 |
| Diabetes | | 6 | 35 | 5 | 26 | 14.6 | 16.1 |
| Thyrotoxicosis | | 1 | 40 | 0 | 31 | 2.4 | 0.0 |
| Alcohol consumption | | 6 | 35 | 6 | 25 | 14.6 | 19.4 |

**Table 2: Summary of cardiovascular findings in heart failure patients due to DCM and other causes**

|  |  |  |  |
| --- | --- | --- | --- |
| **Variables** | **DCM (n=31)** | **Others (n=41)** | ***p value*** |
| Mean Age (SEM) | 55.39 (2.5) | 47.1 (2.9) | 0.03 |
| Mean Duration since diagnosis with DCM (SEM) | 18.5 (4.6) |  |  |
| Mean quantity of alcohol consumed per week (SEM) | 2666 ml (882) | 1666 ml (333) | 0.3 |
| Mean Pulse rate (SEM) | 86.9 (2.3) | 88.6 (2.4) | 0.60 |
| Mean Systolic BP (SEM) | 126.77 (3.12) | 128.38 (2.9) | 0.78 |
| Mean Diastolic BP (SEM) | 83.06 (2.4) | 76.37 (2.9) | 0.09 |
| Mean number of valves affected (SEM) | 1.5 (0.15) | 1.1 (0.19) | 0.11 |
| Mean Hb (SEM) | 81.15 (1.4) | 77.55 (2.3) | 0.22 |
| Mean left ventricular size (SEM) | 5.96 (0.18) | 4.63 (0.13) | 0.00 |
| Mean right ventricular size (SEM) | 5.41 (0.19) | 4.09 (1.9) | 0.00 |
| Mean Ejection fraction (SEM) | 36.7 (1.4) | 43.4 (1.5) | 0.00 |

**Table 3: Clinical presentation of Dilated Cardiomegaly and heart failure due to other causes patients**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Variable** | **DCM (n=31)** | | **HF of other causes (n=41)** | | **Heart failure** | | **Chi-square** | ***p*** |
|  | **Yes** | **No** | **Yes** | **No** | **% DCM** | **% others** |
| **Palpation** |  |  |  |  |  |  |  |  |
| Trills in mitral area | 25 | 6 | 17 | 24 | 80.6 | 41.5 | 11.5 | 0.0008 |
| Left parasternal heave | 24 | 7 | 15 | 26 | 77.4 | 36.6 | 11.86 | 0.0005 |
| Trills in tricuspid area | 10 | 21 | 3 | 38 | 32.3 | 7.3 |  |  |
| Palpable second heart sound | 1 | 30 | 20 | 21 | 3.2 | 48.8 |  |  |
| Trill in aortic area | 0 | 31 | 8 | 33 | 0.0 | 19.5 |  |  |
| **Auscultation** |  |  |  |  |  |  |  |  |
| ***First heart sound (mitral)*** |  |  |  |  |  |  |  |  |
| Normal | 6 | 25 | 20 | 21 | 19.4 | 48.8 | 6.625 | 0.010 |
| Muffled | 25 | 6 | 8 | 33 | 80.6 | 19.5 | 26.58 | 0.000 |
| Loud | 0 | 31 | 13 | 28 | 0.0 | 31.7 |  |  |
| ***First heart sound (tricuspid)*** |  |  |  |  |  |  |  |  |
| Normal | 11 | 20 | 37 | 4 | 35.5 | 90.2 |  |  |
| Muffled | 20 | 11 | 3 | 38 | 64.5 | 7.3 |  |  |
| Loud | 0 | 31 | 1 | 40 | 0.0 | 2.4 |  |  |
| ***Second aortic sound*** |  |  |  |  |  |  |  |  |
| Normal | 30 | 1 | 33 | 8 | 96.8 | 80.5 |  |  |
| Muffled | 1 | 30 | 5 | 36 | 3.2 | 12.2 |  |  |
| Loud | 0 | 31 | 3 | 38 | 0.0 | 7.3 |  |  |
| ***Pulmonary second heart sound*** | |  |  |  |  |  |  |  |
| Normal | 31 | 0 | 22 | 19 | 100.0 | 53.7 |  |  |
| Muffled | 0 | 31 | 1 | 40 | 0.0 | 2.4 |  |  |
| Loud | 0 | 31 | 18 | 23 | 0.0 | 43.9 |  |  |
| **Number of valvar lesions** |  |  |  |  |  |  |  |  |
| No valve lesion | 4 | 27 | 16 | 25 | 12.9 | 39.0 |  |  |
| One valve | 9 | 22 | 10 | 31 | 29.0 | 24.4 |  |  |
| Two valves | 16 | 15 | 9 | 32 | 51.6 | 22.0 | 6.852 | 0.009 |
| Three valves | 2 | 29 | 4 | 37 | 6.5 | 9.8 |  |  |
| Four valves | 0 | 31 | 1 | 40 | 0.0 | 2.4 |  |  |
| **Signs of heart failure** |  |  |  |  |  |  |  |  |
| Bilateral basal crepitation | 28 | 3 | 40 | 1 | 90.3 | 97.6 |  |  |
| Hepatomegaly | 27 | 4 | 33 | 8 | 87.1 | 80.5 |  |  |
| Lower limb edema | 29 | 2 | 27 | 14 | 93.5 | 65.9 |  |  |
| **Chest X-ray findings** |  |  |  |  |  |  |  |  |
| ***Cardiomegaly*** |  |  |  |  |  |  |  |  |
| Cardiomegaly | 30 | 1 | 20 | 21 | 96.8 | 48.8 |  |  |
| No cardiomegaly | 1 | 30 | 21 | 20 | 3.2 | 51.2 |  |  |
| ***Lung field on chest x-ray*** |  |  |  |  |  |  |  |  |
| Normal | 3 | 28 | 19 | 22 | 9.7 | 46.3 |  |  |
| Oligaemic | 1 | 30 | 0 | 41 | 3.2 | 0.0 |  |  |
| Plethoric | 27 | 4 | 22 | 19 | 87.1 | 53.7 |  |  |
| **ECG and Echocardiography** |  |  |  |  |  |  |  |  |
| ***Rhythm on ECG*** |  |  |  |  |  |  |  |  |
| Sinus rhythm | 22 | 9 | 25 | 16 | 71.0 | 61.0 | 0.778 | 0.378 |
| Artrial fibrillation | 6 | 25 | 13 | 28 | 19.4 | 31.7 | 1.387 | 0.239 |
| Venal ectopic | 1 | 30 | 0 | 41 | 3.2 | 0.0 |  |  |
| others | 2 | 29 | 3 | 38 | 6.5 | 7.3 |  |  |
| ***Ventricular hypertrophy*** |  |  |  |  |  |  |  |  |
| Present | 29 | 2 | 19 | 22 | 93.5 | 46.3 |  |  |
| Absent | 2 | 29 | 22 | 19 | 6.5 | 53.7 |  |  |
| ***Artrial hypertrophy*** |  |  |  |  |  |  |  |  |
| Present | 7 | 24 | 16 | 25 | 22.6 | 39.0 | 2.196 | 0.138 |
| Absent | 24 | 7 | 25 | 16 | 77.4 | 61.0 |  |  |
| ***Identification of clots*** |  |  |  |  |  |  |  |  |
| Present | 2 | 29 | 6 | 35 | 6.5 | 14.6 |  |  |
| Absent | 29 | 2 | 35 | 6 | 93.5 | 85.4 |  |  |
| **Thyroid function test** |  |  |  |  |  |  |  |  |
| Low TSH | 1 | 30 | 3 | 38 | 3.2 | 7.3 |  |  |
| High T3 | 1 | 30 | 3 | 38 | 3.2 | 7.3 |  |  |
| High T4 | 1 | 30 | 3 | 38 | 3.2 | 7.3 |  |  |