|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Parameter | Independent risk factors | | | |
|  | **Age**  (odds ratio (SE)) | **BMI**  (odds ratio (SE)) | **NSAD score**  (estimate (SE)) | **Other factors\***  (odds ratio (SE)) |
| **Respiratory** |  |  |  |  |
| % predicted FVC | x | x | 0.38 (0.07) /unit | x |
| Nocturnal NIV | 0.12 (0.04)/year | 0.2 (0.07)/unit | x | x |
| Sleep apnoea | x | x | x | x |
| Morning headaches | x | x | x | x |
| Frequent LRTI | x | x | x | x |
| **Cardiovascular** |  |  |  |  |
| Echo ‘abnormal’ | 0.05 (0.02)/year | 0.12 (0.04)/unit | x | x |
| LVEF <55% | x | x | x | Lower % predicted FVC  *0.05* (0.02) / % |
| LV hypertrophy | 0.1 (0.04)/year | 0.14 (0.07)/unit | x | x |
| P wave abnormality | x | x | x | x |
| QRS >120 ms | x | x | x | x |
| Hypertension | 0.06 (0.03) /year | x | x | x |
| Palpitations | x | x | x | Dizzy episodes *2.1* (0.53)  Breathlessness *1.03* (0.52) |
| Swollen legs | 0.05 (0.02)/year | 0.11 (0.04)/unit | x | Dizzy episodes *1.64* (0.58) |
| Breathlessness | x | 0.08 (0.04)/unit | x | Palpitations *1.24* (0.57)  dizzy episodes *1.43* (0.56)  ambulant patients *1.7* (0.71) |
| Dizzy episodes | x | x | x | Swollen legs *1.30* (0.57)  palpitations *2.09* (0.58)  breathlessness *1.49* (0.57) |
| Syncope | x | x | x | x |

**Supplementary table: Binary logistic regression model demonstrating independent risk factors for respiratory and cardiac dysfunction and symptoms**

\*Other Factors denote variables other than age, BMI or NSAD score with a significant relationship with the presence or absence of each abnormality of symptom as demonstrated by Chi squared testing and confirmed in binary logistic regression modelling. X = no significant relationship. FVC: forced vital capacity, NIV: non-invasive ventilation, LRTI: lower respiratory tract infection, LVEF: left ventricular ejection fraction, LV: left ventricular