

Supplementary Table S1:

Full ROC Analysis

| %DLCO | %FVC | Sensitivity (%) | Specificity (%) | Sum | PPV (%) | NPV (%) |
|--------------|-------------|------------------------|------------------------|------------|----------------|----------------|
| <30% | <30% | 7 | 100 | 107 | 100 | 75 |
| <30% | <40% | 10 | 99 | 109 | 80 | 75 |
| <30% | <50% | 14 | 94 | 108 | 46 | 75 |
| <30% | <60% | 26 | 92 | 118 | 55 | 77 |
| <30% | <70% | 26 | 91 | 117 | 52 | 77 |
| <30% | <80% | 25 | 90 | 115 | 54 | 72 |
| <40% | <30% | 7 | 99 | 106 | 75 | 74 |
| <40% | <40% | 14 | 98 | 112 | 75 | 76 |
| <40% | <50% | 36 | 93 | 129 | 65 | 80 |
| <40% | <60% | 52 | 88 | 140 | 61 | 83 |
| <40% | <70% | 55 | 83 | 138 | 55 | 83 |
| <40% | <80% | 59 | 79 | 138 | 51 | 84 |
| <50% | <30% | 7 | 99 | 106 | 75 | 74 |
| <50% | <40% | 14 | 97 | 111 | 67 | 76 |
| <50% | <50% | 38 | 90 | 128 | 59 | 80 |
| <50% | <60% | 62 | 82 | 144 | 55 | 85 |
| <50% | <70% | 67 | 71 | 138 | 46 | 85 |
| <50% | <80% | 74 | 64 | 138 | 43 | 87 |
| <60% | <30% | 7 | 99 | 106 | 75 | 74 |
| <60% | <40% | 14 | 97 | 111 | 67 | 76 |
| <60% | <50% | 38 | 89 | 127 | 57 | 80 |
| <60% | <60% | 62 | 81 | 143 | 54 | 85 |
| <60% | <70% | 69 | 67 | 136 | 43 | 85 |
| <60% | <80% | 83 | 49 | 132 | 38 | 89 |

Abbreviations: ROC = receiver operating curve, %DLCO = percent predicted of diffusion capacity for carbon monoxide, %FVC = percent predicted of forced vital capacity, PPV = positive predictive value, NPV = negative predictive value

Supplementary Table S2:

Baseline Characteristics of Patients with Echocardiographic PH by Scadding Stage

| Variable | Scadding 0/1 | Scadding 2 | Scadding 3 | Scadding 4 | p-value |
|--------------------------|---------------------|---------------------|---------------------|---------------------|---------|
| | (n = 18) | (n = 8) | (n = 5) | (n = 9) | |
| | Med/F (IQR/%) | Med/F (IRQ/%) | Med/F (IRQ/%) | Med/F (IQR/%) | |
| Race (%AA) | 18 (100%) | 8 (100%) | 5 (100%) | 8 (89%) | 0.550 |
| Gender (%F) | 13 (72%) | 6 (75%) | 3 (60%) | 5 (56%) | 0.751 |
| Age (years) | 55 (46-64) | 46 (44-55) | 56 (44-57) | 57 (54-61) | 0.277 |
| BMI (kg/m ²) | 27.8 (22.7-36.0) | 30.6 (28.4-31.8) | 29.4 (27.8-31.9) | 30.4 (28.6-32.3) | 0.844 |
| %FVC | 54 (46-66) | 47 (40-57) | 52 (41-53) | 69 (52-72) | 0.186 |
| %FEV ₁ | 53 (45-61) | 46 (39-49) | 40 (37-52) | 55 (51-74) | 0.143 |
| FEV ₁ /FVC | 78 (74-84) | 79 (72-84) | 79 (77-86) | 79 (73-82) | 0.971 |
| %FEF ₂₅₋₇₅ | 47 (41-70) | 34 (28-52) | 36 (33-48) | 62 (52-80) | 0.347 |
| %TLC | 61 (52-72) | 67 (51-79) | 57 (47-68) | 70 (61-78) | 0.401 |
| %RV | 65 (57-84) | 82 (61-121) | 83 (57-112) | 75 (66-85) | 0.577 |
| %FRC | 60 (50-73) | 69 (51-81) | 70 (49-90) | 61 (58-82) | 0.795 |
| %ERV | 50 (39-62) | 29 (19-48) | 56 (42-62) | 53 (29-60) | 0.323 |
| %DLCO | 36 (28-40) | 29 (23-39) | 42 (31-47) | 48 (34-74) | 0.305 |
| %DLCO/%VA | 66 (53-85) | 72 (68-83) | 87 (75-103) | 74 (60-100) | 0.291 |

Abbreviations: AA = African-American, F=female, BMI = body-mass index, %FVC = percent-predicted of forced vital capacity, %FEV₁ = percent-predicted of forced expiratory volume in one second, %FEF₂₅₋₇₅ = percent-predicted of forced expiratory flow at 25-75% of the pulmonary volume, %TLC = percent-predicted of total lung capacity, %RV = percent-predicted of residual volume, %FRC = percent-predicted of functional residual capacity, %ERV = percent-predicted of expiratory reserve volume, %DLCO = percent-predicted of diffusion capacity for carbon monoxide, %DLCO/VA = percent-predicted of DLCO when corrected for alveolar volume, Scadding Stage 0 = No evidence of parenchymal disease or adenopathy on chest imaging, PH= pulmonary hypertension

P-value: Kruskal-Wallis Test or Fisher's Exact Test for continuous or categorical data respectively

Med/F = Median or Frequency (for continuous or categorical variables respectively)

IQR/% = Interquartile range or percentage (for continuous or categorical variables respectively)