Supplementary Table 3.

Sensitivity and specificity of Trainees for continuous variables on normal range analysis.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | Trainee | | | | | | | | |
|  | 1 (95% CI) | 2 (95% CI) | 3 (95% CI) | 4 (95% CI) | 5 (95% CI) | 6 (95% CI) | 7(95% CI) | **Overall Group**  **(95% CI)** |
| LVOT VTI  Sensitivity  Specificity | 83.9% (66.3-94.5)  83.3% (35.9-99.6) | 92.3% (74.9-99.1)  100.0% (2.5-100.0) | 90.9% (70.8-98.9)  80.0% (44.4-97.5) | 100.0% (85.2-100.0)  75.0% (19.4-99.4) | 83.9% (66.3-94.5)  100.0% (39.8-100.0) | 90.9% (75.7-98.1)  75.0% (19.4-99.4) | 90.5% (69.6-98.8)  70.0% (34.8-93.3) | **89.8% (84.6-93.8)**  **79.5% (63.5-90.7)** |
| LVIDd  Sensitivity  Specificity | 95.5% (77.2%- 99.9)  57.9% (33.5-79.7) | 95.0% (75.1-99.9)  50.0% (24.7-75.3) | 80.8% (60.6-93.4)  75.0% (34.9-96.8) | 100.0% (85.2-100.0)  61.5% (31.6 -86.1) | 88.9% (70.8-97.6)  58.8% (32.9-81.6) | 85.2% (66.3-95.8)  38.5% (13.9-68.4) | 89.3% (71.8-97.7)  42.9% (9.9-81.6) | **90.2% (84.7-94.2)**  **54.8% (44.2-65.2)** |
| LVOT diameter  Sensitivity  Specificity | 69.6% (47.1-86.8)  72.2% (46.5-90.3) | 80.0% (56.3-94.3)  43.8% (19.8-70.1) | 81.0% (58.1-94.6)  46.2% (19.2-74.9) | 89.5% (66.9-98.7)  76.5% (50.1-93.2) | 54.5% (23.4-83.3)  48.5% (30.8-66.5) | 87.0% (66.4-97.2)  70.6% (44.0-89.7) | 57.1% (28.9-82.3)  33.3% (14.6 57.0) | **76.3% (68.1-83.3)**  **54.8% (46.0-63.4)** |
| TAPSE  Sensitivity  Specificity | 90.0% 968.3-98.8)  100.0% (59.0-100.0) | 100.0% (81.5-100.0)  75.0% (19.4-99.4) | 82.4% (56.6-96.2)  81.8% (48.2-97.7) | 95.5% (77.2-99.9)  66.7% (9.4-99.2) | 100.0% (82.4-100.0)  50.0% (6.8-93.2) | 95.5% (77.2-99.9)  100.0% (71.5-100.0) | 70.0% (34.8-93.3)  20.0% (0.5-71.6) | **92.2% (86.1-96.2)**  **77.8% (62.9-88.8)** |
| TR Vmax  Sensitivity  Specificity | 88.9% (65.3-98.6)  20.0% (0.5-71.6) | 100.0% (80.5-100.0)  60.0% (14.7-94.7) | 94.7% (74.0-99.9)  50.0% (6.8-93.2) | 100.0% (54.1-100.0)  25.0% (0.6-80.6) | 85.7% (42.1-99.6)  50.0% (1.3-98.7) | 100.0% (66.4-100.0)  50.0% (1.3-98.7) | 100.0% (83.9-100.0)  100.0% (2.5-100.0) | **95.9% (89.8-98.9)**  **43.5% (23.2- 65.5)** |
| IVC diameter  Sensitivity  Specificity | 56.0%(34.9-75.6)  50.0% (24.7-75.3) | 51.9% (31.9-71.3)  66.7% (29.9-92.5) | 72.7% (49.8-89.3)  83.3% (51.6-97.9) | 63.6% (40.7-82.8)  71.4% (41.9-91.6) | 61.1% (43.5-76.9)  75.0% (34.9-96.8) | 58.1% (39.1-75.5)  77.8% (40.0-97.2) | 61.3% (42.2-78.2)  75.0% (19.4-99.4) | **60.3% (53.1-67.2)**  **69.4% (57.5-79.8)** |