|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 90.7 | 100.0 | 0.0 | 0.0 | 3.1 | 1.00 |  | 24.4 |  |
| 1 | 100.0 | 90.7 | 100.0 | 2.5 | 0.6 | 7.3 | 1.03 | 0.00 | 24.8 | 100.0 |
| 2 | 100.0 | 90.7 | 100.0 | 6.8 | 3.0 | 12.9 | 1.07 | 0.00 | 25.7 | 100.0 |
| 3 | 100.0 | 90.7 | 100.0 | 18.6 | 12.1 | 26.9 | 1.23 | 0.00 | 28.4 | 100.0 |
| 4 | 100.0 | 90.7 | 100.0 | 29.7 | 21.6 | 38.8 | 1.42 | 0.00 | 31.4 | 100.0 |
| 5 | 100.0 | 90.7 | 100.0 | 35.6 | 27.0 | 44.9 | 1.55 | 0.00 | 33.3 | 100.0 |
| 6 | 97.4 | 86.1 | 99.6 | 42.4 | 33.3 | 51.8 | 1.69 | 0.06 | 35.2 | 98.0 |
| 7 | 97.4 | 86.1 | 99.6 | 50.0 | 40.7 | 59.3 | 1.95 | 0.05 | 38.5 | 98.3 |
| 8 | 94.7 | 82.2 | 99.2 | 56.8 | 47.3 | 65.9 | 2.19 | 0.09 | 41.4 | 97.1 |
| 9 | 92.1 | 78.6 | 98.2 | 63.6 | 54.2 | 72.2 | 2.53 | 0.12 | 44.9 | 96.2 |
| 10 | 92.1 | 78.6 | 98.2 | 75.4 | 66.6 | 82.9 | 3.75 | 0.10 | 54.7 | 96.7 |
| 11 | 92.1 | 78.6 | 98.2 | 80.5 | 72.2 | 87.2 | 4.73 | 0.10 | 60.3 | 96.9 |
| 12 | 92.1 | 78.6 | 98.2 | 83.9 | 76.0 | 90.0 | 5.72 | 0.09 | 64.8 | 97.1 |
| **13** | **92.1** | **78.6** | **98.2** | **87.3** | **79.9** | **92.7** | **7.25** | **0.09** | **70.0** | **97.2** |
| 14 | 89.5 | 75.2 | 97.0 | 88.1 | 80.9 | 93.4 | 7.54 | 0.12 | 70.8 | 96.3 |
| 15 | 84.2 | 68.7 | 93.9 | 90.7 | 83.9 | 95.2 | 9.03 | 0.17 | 74.4 | 94.7 |
| 16 | 84.2 | 68.7 | 93.9 | 91.5 | 85.0 | 95.9 | 9.94 | 0.17 | 76.2 | 94.7 |
| 18 | 76.3 | 59.8 | 88.5 | 91.5 | 85.0 | 95.9 | 9.01 | 0.26 | 74.4 | 92.3 |
| 19 | 63.2 | 46.0 | 78.2 | 94.9 | 89.3 | 98.1 | 12.42 | 0.39 | 80.0 | 88.9 |
| 20 | 60.5 | 43.4 | 75.9 | 95.8 | 90.4 | 98.6 | 14.28 | 0.41 | 82.1 | 88.3 |
| 21 | 55.3 | 38.3 | 71.4 | 95.8 | 90.4 | 98.6 | 13.04 | 0.47 | 80.8 | 86.9 |
| 22 | 52.6 | 35.8 | 69.0 | 96.6 | 91.5 | 99.0 | 15.53 | 0.49 | 83.3 | 86.4 |
| 23 | 47.4 | 31.0 | 64.2 | 98.3 | 94.0 | 99.7 | 27.95 | 0.54 | 90.0 | 85.3 |
| 24 | 44.7 | 28.6 | 61.7 | 98.3 | 94.0 | 99.7 | 26.39 | 0.56 | 89.5 | 84.7 |
| 25 | 39.5 | 24.1 | 56.6 | 98.3 | 94.0 | 99.7 | 23.29 | 0.62 | 88.2 | 83.5 |
| 26 | 31.6 | 17.5 | 48.7 | 99.2 | 95.4 | 99.9 | 37.26 | 0.69 | 92.3 | 81.8 |
| 27 | 21.1 | 9.6 | 37.3 | 99.2 | 95.4 | 99.9 | 24.84 | 0.80 | 88.9 | 79.6 |
| 28 | 21.1 | 9.6 | 37.3 | 100.0 | 96.9 | 100.0 |  | 0.79 | 100.0 | 79.7 |
| 29 | 18.4 | 7.8 | 34.3 | 100.0 | 96.9 | 100.0 |  | 0.82 | 100.0 | 79.2 |
| 30 | 15.8 | 6.1 | 31.3 | 100.0 | 96.9 | 100.0 |  | 0.84 | 100.0 | 78.7 |
| 33 | 7.9 | 1.8 | 21.4 | 100.0 | 96.9 | 100.0 |  | 0.92 | 100.0 | 77.1 |
| 36 | 5.3 | 0.8 | 17.8 | 100.0 | 96.9 | 100.0 |  | 0.95 | 100.0 | 76.6 |
| 48 | 2.6 | 0.4 | 13.9 | 100.0 | 96.9 | 100.0 |  | 0.97 | 100.0 | 76.1 |
| 52 | 0.0 | 0.0 | 9.3 | 100.0 | 96.9 | 100.0 |  | 1.00 |  | 75.6 |

<H1> **Supplemental Materials**

<H2> ***Table S1.***

*Range of PBQ Total Score Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Bonding Disorder*

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S2.***

*Range of PBQ Total Score Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Severe Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 54.1 | 100.0 | 0.0 | 0.0 | 2.5 | 1.00 | 0.00 | 3.8 | 100.0 |
| 1 | 100.0 | 54.1 | 100.0 | 2.0 | 0.4 | 5.7 | 1.02 | .00 | 3.9 | 100.0 |
| 2 | 100.0 | 54.1 | 100.0 | 5.3 | 2.3 | 10.2 | 1.06 | .00 | 4.1 | 100.0 |
| 3 | 100.0 | 54.1 | 100.0 | 14.7 | 9.4 | 21.4 | 1.17 | .00 | 4.5 | 100.0 |
| 4 | 100.0 | 54.1 | 100.0 | 23.3 | 16.8 | 30.9 | 1.30 | .00 | 5.0 | 100.0 |
| 5 | 100.0 | 54.1 | 100.0 | 28.0 | 21.0 | 35.9 | 1.39 | .00 | 5.3 | 100.0 |
| 6 | 100.0 | 54.1 | 100.0 | 34.0 | 26.5 | 42.2 | 1.52 | .00 | 5.7 | 100.0 |
| 7 | 100.0 | 54.1 | 100.0 | 40.0 | 32.1 | 48.3 | 1.67 | .00 | 6.3 | 100.0 |
| 8 | 100.0 | 54.1 | 100.0 | 46.0 | 37.8 | 54.3 | 1.85 | .00 | 6.9 | 100.0 |
| 9 | 100.0 | 54.1 | 100.0 | 52.0 | 43.7 | 60.2 | 2.08 | .00 | 7.7 | 100.0 |
| 10 | 100.0 | 54.1 | 100.0 | 61.3 | 53.0 | 69.2 | 2.59 | .00 | 9.4 | 100.0 |
| 11 | 100.0 | 54.1 | 100.0 | 65.3 | 57.1 | 72.9 | 2.88 | .00 | 10.3 | 100.0 |
| 12 | 100.0 | 54.1 | 100.0 | 68.0 | 59.9 | 75.4 | 3.13 | .00 | 11.1 | 100.0 |
| 13 | 100.0 | 54.1 | 100.0 | 70.7 | 62.7 | 77.8 | 3.41 | .00 | 12.0 | 100.0 |
| 14 | 100.0 | 54.1 | 100.0 | 72.0 | 64.1 | 79.0 | 3.57 | .00 | 12.5 | 100.0 |
| 15 | 100.0 | 54.1 | 100.0 | 75.3 | 67.6 | 82.0 | 4.05 | .00 | 14.0 | 100.0 |
| 16 | 100.0 | 54.1 | 100.0 | 76.0 | 68.4 | 82.6 | 4.17 | .00 | 14.3 | 100.0 |
| **18** | **100.0** | **54.1** | **100.0** | **78.0** | **70.5** | **84.3** | **4.55** | **.00** | **15.4** | **100.0** |
| 19 | 83.3 | 36.1 | 97.2 | 83.3 | 76.4 | 88.9 | 5.00 | 0.20 | 16.7 | 99.2 |
| 20 | 83.3 | 36.1 | 97.2 | 84.7 | 77.9 | 90.0 | 5.43 | 0.20 | 17.9 | 99.2 |
| 21 | 83.3 | 36.1 | 97.2 | 86.0 | 79.4 | 91.1 | 5.95 | 0.19 | 19.2 | 99.2 |
| 22 | 83.3 | 36.1 | 97.2 | 87.3 | 80.9 | 92.2 | 6.58 | 0.19 | 20.8 | 99.2 |
| 23 | 83.3 | 36.1 | 97.2 | 90.0 | 84.0 | 94.3 | 8.33 | 0.19 | 25.0 | 99.3 |
| 24 | 83.3 | 36.1 | 97.2 | 90.7 | 84.8 | 94.8 | 8.93 | 0.18 | 26.3 | 99.3 |
| 25 | 83.3 | 36.1 | 97.2 | 92.0 | 86.4 | 95.8 | 10.42 | 0.18 | 29.4 | 99.3 |
| 26 | 83.3 | 36.1 | 97.2 | 94.7 | 89.8 | 97.7 | 15.62 | 0.18 | 38.5 | 99.3 |
| 27 | 50.0 | 12.4 | 87.6 | 96.0 | 91.5 | 98.5 | 12.50 | 0.52 | 33.3 | 98.0 |
| 28 | 50.0 | 12.4 | 87.6 | 96.7 | 92.4 | 98.9 | 15.00 | 0.52 | 37.5 | 98.0 |
| 29 | 50.0 | 12.4 | 87.6 | 97.3 | 93.3 | 99.3 | 18.75 | 0.51 | 42.9 | 98.0 |
| 30 | 50.0 | 12.4 | 87.6 | 98.0 | 94.3 | 99.6 | 25.00 | 0.51 | 50.0 | 98.0 |
| 33 | 33.3 | 5.3 | 77.3 | 99.3 | 96.3 | 99.9 | 50.00 | 0.67 | 66.7 | 97.4 |
| 36 | 33.3 | 5.3 | 77.3 | 100.0 | 97.5 | 100.0 |  | 0.67 | 100.0 | 97.4 |
| 48 | 16.7 | 2.8 | 63.9 | 100.0 | 97.5 | 100.0 |  | 0.83 | 100.0 | 96.8 |
| 52 | 0.0 | 0.0 | 45.9 | 100.0 | 97.5 | 100.0 |  | 1.00 |  | 96.2 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S3.***

*Range of PBQ Scale 1 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 90.7 | 100.0 | 0.0 | 0.0 | 3.1 | 1.00 |  | 24.4 |  |
| 1 | 97.4 | 86.1 | 99.6 | 48.3 | 39.0 | 57.7 | 1.88 | 0.05 | 37.8 | 98.3 |
| 2 | 92.1 | 78.6 | 98.2 | 68.6 | 59.5 | 76.9 | 2.94 | 0.12 | 48.6 | 96.4 |
| 3 | 86.8 | 71.9 | 95.5 | 79.7 | 71.3 | 86.5 | 4.27 | 0.17 | 57.9 | 94.9 |
| **4** | **78.9** | **62.7** | **90.4** | **90.7** | **83.9** | **95.2** | **8.47** | **0.23** | **73.2** | **93.0** |
| 5 | 68.4 | 51.3 | 82.5 | 93.2 | 87.1 | 97.0 | 10.09 | 0.34 | 76.5 | 90.2 |
| 6 | 63.2 | 46.0 | 78.2 | 94.9 | 89.3 | 98.1 | 12.42 | 0.39 | 80.0 | 88.9 |
| 7 | 42.1 | 26.3 | 59.2 | 97.5 | 92.7 | 99.4 | 16.56 | 0.59 | 84.2 | 83.9 |
| 8 | 36.8 | 21.8 | 54.0 | 98.3 | 94.0 | 99.7 | 17.08 | 0.64 | 87.5 | 82.9 |
| 9 | 28.9 | 15.4 | 45.9 | 98.3 | 94.0 | 99.7 | 34.16 | 0.72 | 84.6 | 81.1 |
| 10 | 28.9 | 15.4 | 45.9 | 99.2 | 95.4 | 99.9 |  | 0.72 | 91.7 | 81.2 |
| 11 | 23.7 | 11.5 | 40.2 | 100.0 | 96.9 | 100.0 |  | 0.76 | 100.0 | 80.3 |
| 13 | 10.5 | 3.0 | 24.8 | 100.0 | 96.9 | 100.0 |  | 0.89 | 100.0 | 77.6 |
| 14 | 7.9 | 1.8 | 21.4 | 100.0 | 96.9 | 100.0 |  | 0.92 | 100.0 | 77.1 |
| 16 | 2.6 | 0.4 | 13.9 | 100.0 | 96.9 | 100.0 |  | 0.97 | 100.0 | 76.1 |
| 22 | 0.0 | 0.0 | 9.3 | 100.0 | 96.9 | 100.0 |  | 1.00 |  | 75.6 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S4.***

*Range of PBQ Scale 1 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Severe Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 54.1 | 100.0 | 0.0 | 0.0 | 2.5 | 1.00 |  | 3.8 |  |
| 1 | 100.0 | 54.1 | 100.0 | 38.7 | 30.8 | 47.0 | 1.63 | 0.00 | 6.1 | 100.0 |
| 2 | 100.0 | 54.1 | 100.0 | 56.0 | 47.7 | 64.1 | 2.27 | 0.00 | 8.3 | 100.0 |
| 3 | 100.0 | 54.1 | 100.0 | 66.0 | 57.8 | 73.5 | 2.94 | 0.00 | 10.5 | 100.0 |
| 4 | 100.0 | 54.1 | 100.0 | 76.7 | 69.1 | 83.2 | 4.29 | 0.00 | 14.6 | 100.0 |
| 5 | 100.0 | 54.1 | 100.0 | 81.3 | 74.2 | 87.2 | 5.36 | 0.00 | 17.6 | 100.0 |
| **6** | **100.0** | **54.1** | **100.0** | **84.0** | **77.1** | **89.5** | **6.25** | **0.00** | **20.0** | **100.0** |
| 7 | 83.3 | 36.1 | 97.2 | 90.7 | 84.8 | 94.8 | 8.93 | 0.18 | 26.3 | 99.3 |
| 8 | 83.3 | 36.1 | 97.2 | 92.7 | 87.3 | 96.3 | 11.36 | 0.18 | 31.3 | 99.3 |
| 9 | 83.3 | 36.1 | 97.2 | 94.7 | 89.8 | 97.7 | 15.62 | 0.18 | 38.5 | 99.3 |
| 10 | 83.3 | 36.1 | 97.2 | 95.3 | 90.6 | 98.1 | 17.86 | 0.17 | 41.7 | 99.3 |
| 11 | 66.7 | 22.7 | 94.7 | 96.7 | 92.4 | 98.9 | 20.00 | 0.34 | 44.4 | 98.6 |
| 13 | 50.0 | 12.4 | 87.6 | 99.3 | 96.3 | 99.9 | 75.00 | 0.50 | 75.0 | 98.0 |
| 14 | 50.0 | 12.4 | 87.6 | 100.0 | 97.5 | 100.0 |  | 0.50 | 100.0 | 98.0 |
| 16 | 16.7 | 2.8 | 63.9 | 100.0 | 97.5 | 100.0 |  | 0.83 | 100.0 | 96.8 |
| 22 | 0.0 | 0.0 | 45.9 | 100.0 | 97.5 | 100.0 |  | 1.00 |  | 96.2 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S5.***

*Range of PBQ Scale 2 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 90.7 | 100.0 | 0.0 | 0.0 | 3.1 | 1.00 |  | 24.4 |  |
| 1 | 100.0 | 90.7 | 100.0 | 2.5 | 0.6 | 7.3 | 1.03 | 0.00 | 24.8 | 100.0 |
| 2 | 100.0 | 90.7 | 100.0 | 11.9 | 6.6 | 19.1 | 1.13 | 0.00 | 26.8 | 100.0 |
| 3 | 100.0 | 90.7 | 100.0 | 22.9 | 15.7 | 31.5 | 1.30 | 0.00 | 29.5 | 100.0 |
| 4 | 100.0 | 90.7 | 100.0 | 37.3 | 28.6 | 46.7 | 1.59 | 0.00 | 33.9 | 100.0 |
| 5 | 92.1 | 78.6 | 98.2 | 46.6 | 37.4 | 56.0 | 1.73 | 0.17 | 35.7 | 94.8 |
| 6 | 89.5 | 75.2 | 97.0 | 59.3 | 49.9 | 68.3 | 2.20 | 0.18 | 41.5 | 94.6 |
| 7 | 86.8 | 71.9 | 95.5 | 66.9 | 57.7 | 75.3 | 2.63 | 0.20 | 45.8 | 94.0 |
| 8 | 86.8 | 71.9 | 95.5 | 72.0 | 63.0 | 79.9 | 3.11 | 0.18 | 50.0 | 94.4 |
| **9** | **78.9** | **62.7** | **90.4** | **82.2** | **74.1** | **88.6** | **4.44** | **0.26** | **58.8** | **92.4** |
| 10 | 63.2 | 46.0 | 78.2 | 89.0 | 81.9 | 84.0 | 5.73 | 0.41 | 64.9 | 88.2 |
| 11 | 57.9 | 40.8 | 73.7 | 92.4 | 86.0 | 96.4 | 7.59 | 0.46 | 71.0 | 87.2 |
| 12 | 50.0 | 33.4 | 66.6 | 95.8 | 90.4 | 98.6 | 11.80 | 0.52 | 79.2 | 85.6 |
| 13 | 36.8 | 21.8 | 54.0 | 95.8 | 90.4 | 98.6 | 8.69 | 0.66 | 73.7 | 82.5 |
| 14 | 28.9 | 15.4 | 45.9 | 97.5 | 92.7 | 99.4 | 11.39 | 0.73 | 78.6 | 81.0 |
| 15 | 18.4 | 7.8 | 34.3 | 98.3 | 94.0 | 99.7 | 10.87 | 0.83 | 77.8 | 78.9 |
| 16 | 13.2 | 4.5 | 28.1 | 98.3 | 94.0 | 99.7 | 7.76 | 0.88 | 71.4 | 77.9 |
| 17 | 10.5 | 3.0 | 24.8 | 99.2 | 95.4 | 99.9 | 12.42 | 0.90 | 80.0 | 77.5 |
| 18 | 7.9 | 1.8 | 21.4 | 99.2 | 95.4 | 99.9 | 9.32 | 0.93 | 75.0 | 77.0 |
| 19 | 5.3 | 0.8 | 17.8 | 100.0 | 96.9 | 100.0 |  | 0.95 | 100.0 | 76.6 |
| 20 | 2.6 | 0.4 | 13.9 | 100.0 | 96.9 | 100.0 |  | 0.97 | 100.0 | 76.1 |
| 21 | 0.0 | 0.0 | 9.3 | 100.0 | 96.9 | 100.0 |  | 1.00 |  | 75.6 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S6.***

*Range of PBQ Scale 2 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Severe Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 54.1 | 100.0 | 0.0 | 0.0 | 2.5 | 1.00 |  | 3.8 |  |
| 1 | 100.0 | 54.1 | 100.0 | 2.0 | 0.4 | 5.7 | 1.02 | 0.00 | 3.9 | 100.0 |
| 2 | 100.0 | 54.1 | 100.0 | 9.3 | 5.2 | 15.2 | 1.10 | 0.00 | 4.2 | 100.0 |
| 3 | 100.0 | 54.1 | 100.0 | 18.0 | 12.2 | 25.1 | 1.22 | 0.00 | 4.7 | 100.0 |
| 4 | 100.0 | 54.1 | 100.0 | 29.3 | 22.2 | 37.3 | 1.42 | 0.00 | 5.4 | 100.0 |
| 5 | 100.0 | 54.1 | 100.0 | 38.7 | 30.8 | 47.0 | 1.63 | 0.00 | 6.1 | 100.0 |
| 6 | 100.0 | 54.1 | 100.0 | 49.3 | 41.1 | 57.6 | 1.97 | 0.00 | 7.3 | 100.0 |
| 7 | 100.0 | 54.1 | 100.0 | 56.0 | 47.7 | 64.1 | 2.27 | 0.00 | 8.3 | 100.0 |
| **8** | **100.0** | **54.1** | **100.0** | **60.0** | **51.7** | **67.9** | **2.50** | **0.00** | **9.1** | **100.0** |
| 9 | 83.3 | 36.1 | 97.2 | 69.3 | 61.3 | 76.6 | 2.72 | 0.24 | 9.8 | 99.0 |
| 10 | 50.0 | 12.4 | 87.6 | 77.3 | 69.8 | 83.8 | 2.21 | 0.65 | 8.1 | 97.5 |
| 11 | 50.0 | 12.4 | 87.6 | 81.3 | 74.2 | 87.2 | 2.68 | 0.61 | 9.7 | 97.6 |
| 12 | 50.0 | 12.4 | 87.6 | 86.0 | 79.4 | 91.1 | 3.57 | 0.58 | 12.5 | 97.7 |
| 13 | 33.3 | 5.3 | 77.3 | 88.7 | 82.5 | 93.3 | 2.94 | 0.75 | 10.5 | 97.1 |
| 14 | 33.3 | 5.3 | 77.3 | 92.0 | 86.4 | 95.8 | 4.17 | 0.72 | 14.3 | 97.2 |
| 15 | 33.3 | 5.3 | 77.3 | 95.3 | 90.6 | 98.1 | 7.14 | 0.70 | 22.2 | 97.3 |
| 16 | 33.3 | 5.3 | 77.3 | 96.7 | 92.4 | 98.9 | 10.00 | 0.69 | 28.6 | 97.3 |
| 17 | 16.7 | 2.8 | 63.9 | 97.3 | 93.3 | 99.3 | 6.25 | 0.86 | 20.0 | 96.7 |
| 18 | 16.7 | 2.8 | 63.9 | 98.0 | 94.3 | 99.6 | 8.33 | 0.85 | 25.0 | 96.7 |
| 19 | 16.7 | 2.8 | 63.9 | 99.3 | 96.3 | 99.9 | 25.00 | 0.84 | 50.0 | 96.8 |
| 20 | 16.7 | 2.8 | 63.9 | 100.0 | 97.5 | 100.0 |  | 0.83 | 100.0 | 96.8 |
| 21 | 0.0 | 0.0 | 45.9 | 100.0 | 97.5 | 100.0 |  | 1.00 |  | 96.2 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S7.***

*Range of PBQ Scale 3 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 90.7 | 100.0 | 0.0 | 0.0 | 3.1 | 1.00 |  | 24.4 |  |
| 1 | 68.4 | 51.3 | 82.5 | 78.0 | 69.4 | 85.1 | 3.11 | 0.41 | 50.0 | 88.5 |
| **2** | **60.5** | **43.4** | **75.9** | **91.5** | **85.0** | **95.9** | **7.14** | **0.43** | **69.7** | **87.8** |
| 3 | 55.3 | 38.3 | 71.4 | 93.2 | 87.1 | 97.0 | 8.15 | 0.48 | 72.4 | 86.6 |
| 4 | 26.3 | 13.4 | 43.1 | 96.6 | 91.5 | 99.0 | 7.76 | 0.76 | 71.4 | 80.3 |
| 5 | 26.3 | 13.4 | 43.1 | 97.5 | 92.7 | 99.4 | 10.35 | 0.76 | 76.9 | 80.4 |
| 6 | 23.7 | 11.5 | 40.2 | 97.5 | 92.7 | 99.4 | 6.21 | 0.78 | 75.0 | 79.9 |
| 7 | 18.4 | 7.8 | 34.3 | 98.3 | 94.0 | 99.7 | 3.11 | 0.83 | 77.8 | 78.9 |
| 8 | 10.5 | 3.0 | 24.8 | 98.3 | 94.0 | 99.7 |  | 0.91 | 66.7 | 77.3 |
| 9 | 2.6 | 0.4 | 13.9 | 99.2 | 95.4 | 99.9 |  | 0.98 | 50.0 | 76.0 |
| 10 | 2.6 | 0.4 | 13.9 | 100.0 | 96.9 | 100.0 |  | 0.97 | 100.0 | 76.1 |
| 18 | 0.0 | 0.0 | 9.3 | 100.0 | 96.9 | 100.0 |  | 1.00 |  | 75.6 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S8.***

*Range of PBQ Scale 3 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Severe Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 54.1 | 100.0 | 0.0 | 0.0 | 2.5 | 1.00 |  | 3.8 |  |
| 1 | 100.0 | 54.1 | 100.0 | 69.3 | 61.3 | 76.6 | 3.26 | 0.00 | 11.5 | 100.0 |
| **2** | **100.0** | **54.1** | **100.0** | **82.0** | **74.9** | **87.8** | **5.56** | **0.00** | **18.2** | **100.0** |
| 3 | 83.3 | 36.1 | 97.2 | 84.0 | 77.1 | 89.5 | 5.21 | 0.20 | 17.2 | 99.2 |
| 4 | 66.7 | 22.7 | 94.7 | 93.3 | 88.1 | 96.8 | 10.00 | 0.36 | 28.6 | 98.6 |
| 5 | 66.7 | 22.7 | 94.7 | 94.0 | 88.9 | 97.2 | 11.11 | 0.35 | 30.8 | 98.6 |
| 6 | 66.7 | 22.7 | 94.7 | 94.7 | 89.8 | 97.7 | 12.50 | 0.35 | 33.3 | 98.6 |
| 7 | 50.0 | 12.4 | 87.6 | 96.0 | 91.5 | 98.5 | 12.50 | 0.52 | 33.3 | 98.0 |
| 8 | 16.7 | 2.8 | 63.9 | 96.7 | 92.4 | 98.9 | 5.00 | 0.86 | 16.7 | 96.7 |
| 9 | 16.7 | 2.8 | 63.9 | 99.3 | 96.3 | 99.9 | 25.00 | 0.84 | 50.0 | 96.8 |
| 10 | 16.7 | 2.8 | 63.9 | 100.0 | 97.5 | 100.0 |  | 0.83 | 100.0 | 96.8 |
| 18 | 0.0 | 0.0 | 45.9 | 100.0 | 97.5 | 100.0 |  | 1.00 |  | 96.2 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S9.***

*Range of PBQ Scale 4 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 90.7 | 100.0 | 0.0 | 0.0 | 3.1 | 1.00 |  | 24.4 |  |
| **1** | **73.7** | **56.9** | **86.6** | **81.4** | **73.1** | **87.9** | **3.95** | **0.32** | **56.0** | **90.6** |
| 2 | 31.6 | 17.5 | 48.7 | 94.9 | 89.3 | 98.1 | 6.21 | 0.72 | 66.7 | 81.2 |
| 3 | 15.8 | 6.1 | 31.3 | 99.2 | 95.4 | 99.9 | 18.63 | 0.85 | 85.7 | 78.5 |
| 4 | 10.5 | 3.0 | 24.8 | 99.2 | 95.4 | 99.9 | 12.42 | 0.90 | 80.0 | 77.5 |
| 5 | 5.3 | 0.8 | 17.8 | 99.2 | 95.4 | 99.9 | 6.21 | 0.96 | 66.7 | 76.5 |
| 6 | 5.3 | 0.8 | 17.8 | 100.0 | 96.9 | 100.0 |  | 0.95 | 100.0 | 76.6 |
| 7 | 2.6 | 0.4 | 13.9 | 100.0 | 96.9 | 100.0 |  | 0.97 | 100.0 | 76.1 |
| 9 | 0.0 | 0.0 | 9.3 | 100.0 | 96.9 | 100.0 |  | 1.00 |  | 75.6 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.

<H2> ***Table S10.***

*Range of PBQ Scale 4 Thresholds and the Corresponding Values of Sensitivity, Specificity, Positive and Negative Predictive Values, and Positive and Negative Likelihood Ratios for Detecting Severe Bonding Disorder*

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Score | Sens. | 95 % CI | | Spec. | 95% CI | | +LR | -LR | +PV | -PV |
| *LL* | *UL* | *LL* | *UL* |
| 0 | 100.0 | 54.1 | 100.0 | 0.0 | 0.0 | 2.5 | 1.00 |  | 3.8 |  |
| **1** | **83.3** | **36.1** | **97.2** | **70.0** | **62.0** | **77.2** | **2.78** | **0.24** | **10.0** | **99.1** |
| 2 | 16.7 | 2.8 | 63.9 | 88.7 | 82.5 | 93.3 | 1.47 | 0.94 | 5.6 | 96.4 |
| 3 | 0.0 | 0.0 | 45.9 | 95.3 | 90.6 | 98.1 | 0.00 | 1.05 | 0.0 | 96.0 |
| 4 | 0.0 | 0.0 | 45.9 | 96.7 | 92.4 | 98.9 | 0.00 | 1.03 | 0.0 | 96.0 |
| 5 | 0.0 | 0.0 | 45.9 | 98.0 | 94.3 | 99.6 | 0.00 | 1.02 | 0.0 | 96.1 |
| 6 | 0.0 | 0.0 | 45.9 | 98.7 | 95.3 | 99.8 | 0.00 | 1.01 | 0.0 | 96.1 |
| 7 | 0.0 | 0.0 | 45.9 | 99.3 | 96.3 | 99.9 | 0.00 | 1.01 | 0.0 | 96.1 |
| 9 | 0.0 | 0.0 | 45.9 | 100.0 | 97.5 | 100.0 |  | 1.00 |  | 96.2 |

*Note.* Sens = sensitivity; Spec = specificity; +PV = positive predictive value; -PV = negative predictive value; +LR = positive likelihood ratio; -LR = negative likelihood ratio; CI = confidence interval; *LL* = lower limit; *UL* = upper limit.

The optimal cut off is in **boldface**.