Supplementary Materials

Table 3. Logistic regression analysis predicting left seizure laterality from naming measure scores.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Variable | B | Standard Error | Wald | Significance | Exp (B) |
| MBNT Raw | -.13 | .07 | 3.84 | .05 | .88 |
| Constant | 2.21 | 1.16 | 3.60 | .06 | 9.07 |
| -2 Log Likelihood = 94.28 | Nagelkerke R2 = .08 | Classification accuracy = 65.7% |
| MBNT %ile | -.02 | .01 | 1.53 | .22 | .96 |
| Constant | .19 | .29 | .42 | .52 | 1.21 |
| -2 Log Likelihood = 96.80 | Nagelkerke R2 = .03 | Classification accuracy = 77.1% |
| VSD Raw | -.14 | .06 | 4.55 | .03 | .87 |
| Constant | 3.54 | 1.69 | 4.38 | .04 | 34.46 |
| -2 Log Likelihood = 93.33 | Nagelkerke R2 = .07 | Classification accuracy = 54.3 |
| VSD %ile | -.02 | .02 | 1.71 | .19 | .98 |
| Constant | .28 | .33 | .71 | .40 | 1.32 |
| -2 Log Likelihood = 96.55 | Nagelkerke R2 = .04 | Classification accuracy = 74.3 |

*Note*: MBNT = Pontón-Satz Modified Boston Naming Test, VSD = Vocabulario Sobre Dibujos; Classification accuracy is for left hemisphere.

Table 4. Sensitivity, specificity, and predictive values associated with various VSD and MBNT scores for predicting left hemisphere epilepsy.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  | Base rate (0.40) | Base rate (0.30) | Base rate (0.20) | Base rate (0.10) |
|  | Raw score cutoff  | Sensitivity | Specificity | PPV | NPV | PPV | NPV | PPV | NPV | PPV | NPV |
| VSD | ≤22 | .14 | .94 | 0.61 | 0.62 | 0.50 | 0.72 | 0.37 | 0.81 | 0.21 | 0.91 |
| ≤23 | .23 | .89 | 0.58 | 0.63 | 0.47 | 0.73 | 0.34 | 0.82 | 0.19 | 0.91 |
| ≤24 | .34 | .83 | 0.57 | 0.65 | 0.46 | 0.75 | 0.33 | 0.83 | 0.18 | 0.92 |
| **≤25** | **.43** | **.78** | 0.57 | 0.67 | 0.46 | 0.76 | 0.33 | 0.85 | 0.18 | 0.92 |
| ≤26 | .54 | .64 | 0.50 | 0.68 | 0.39 | 0.76 | 0.27 | 0.85 | 0.14 | 0.93 |
| ≤27 | .54 | .58 | 0.46 | 0.65 | 0.36 | 0.75 | 0.24 | 0.83 | 0.13 | 0.92 |
| ≤28 | .77 | .44 | 0.48 | 0.74 | 0.37 | 0.82 | 0.26 | 0.88 | 0.13 | 0.95 |
| ≤29 | .83 | .39 | 0.48 | 0.77 | 0.37 | 0.84 | 0.25 | 0.90 | 0.13 | 0.95 |
| MBNT | ≤13 | .14 | .97 | 0.76 | 0.63 | 0.67 | 0.72 | 0.54 | 0.82 | 0.34 | 0.91 |
| ≤14 | .20 | .86 | 0.49 | 0.62 | 0.38 | 0.71 | 0.26 | 0.81 | 0.14 | 0.91 |
| **≤15** | **.31** | **.83** | 0.55 | 0.64 | 0.44 | 0.74 | 0.31 | 0.83 | 0.17 | 0.92 |
| ≤16 | .40 | .69 | 0.46 | 0.63 | 0.36 | 0.73 | 0.24 | 0.82 | 0.13 | 0.91 |
| ≤17 | .49 | .56 | 0.43 | 0.62 | 0.32 | 0.72 | 0.22 | 0.81 | 0.11 | 0.91 |
| ≤18 | .66 | .50 | 0.47 | 0.69 | 0.36 | 0.77 | 0.25 | 0.85 | 0.13 | 0.93 |
| ≤19 | .77 | .50 | 0.51 | 0.77 | 0.40 | 0.84 | 0.28 | 0.90 | 0.15 | 0.95 |
| ≤20 | .83 | .47 | 0.51 | 0.81 | 0.40 | 0.87 | 0.28 | 0.92 | 0.15 | 0.96 |
| ≤21 | .87 | .33 | 0.46 | 0.79 | 0.36 | 0.86 | 0.25 | 0.91 | 0.13 | 0.96 |
| ≤22 | .87 | .25 | 0.44 | 0.74 | 0.33 | 0.82 | 0.22 | 0.88 | 0.11 | 0.95 |
| ≤23 | .94 | .14 | 0.42 | 0.78 | 0.32 | 0.84 | 0.21 | 0.90 | 0.11 | 0.95 |

*Note*: VSD = Vocabulario Sobre Dibujos**;** MBNT = Pontón-Satz Modified Boston Naming Test; **Bold** denotes the score with the optimal sensitivity and specificity values.