

**Figure 1**. ROC Curve of Systemic part showed cut-off score ≥3, sensitivity of 78.8%, specificity of 86.6% with AUC of 89.9% (95% CI 85.2-94.5%; p<0.001))



**Figure 2**. ROC Curve of Neurologic part showed score ≥2, sensitivity of 61.2%, specificity of 75.2% with AUC of 73.3% (95% CI 65.8-80.9%; *p*<0.001)

**Table 1**. Multiple Logistic Regression Analysis on Diagnostic Factors for Differentiation Between TBM and non-TB meningitis

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Variables** | ***p* value** | **β coefficient** | **S.E** | **Score** |
| Prodromal period ≥10 days | 0,004 | 1,340 | 0,466 | 1 |
| Systemic symptoms of TB | <0,001 | 2,301 | 0,696 | 2 |
| Close contact of adult with TB | 0,001 | 2,425 | 0,494 | 1 |
| Chest X-ray indicates TB  | 0,005 | 3,349 | 1,203 | 1 |
| GCS score ≤12 | 0,012 | 0,855 | 0,349 | 1 |
| Any meningeal sign | 0,013 | 0,774 | 0,348 | 1 |
| Any cranial nerve paralysis | 0,007 | 1,387 | 0,518 | 2 |
| Any hemiparesis | 0,068 | 0,869 | 0,489 | 1 |

**Table 2.** Parameters of Final Scoring System

|  |  |
| --- | --- |
| **Parameters** | **Score** |
| **Systemic** |
| Prodromal period ≥10 days | 1 |
| Systemic symptoms of TB | 2 |
| Close contact of adult with TB | 1 |
| Chest X-ray indicates TB  | 1 |
| **Neurologic** |
| GCS score ≤12 | 1 |
| Any meningeal sign | 1 |
| Any cranial nerve paralysis | 2 |
| Any hemiparesis | 1 |

These parameters when used together and met the cut-off score respectively, showed sensitivity 47.1%, specificity 95.1%, positive predictive value 90.9%, and positive likelihood ratio 9,65 times to predict diagnose of TBM in children