Figure 1b. ROC curve indicating effectiveness of COMPASS 31 total score in detection of MS patients with Vasomotor domain score greater than 0

Vasomotor domain

- The area under the curve was 0.817.
- Optimal cut-off:
  Total COMPASS 31 score=13.9  → Sensitivity=0.809; Specificity=0.667
- Mean value cut-off:
  Total COMPASS 31 score=16.3  → Sensitivity=0.723; Specificity=0.712
Figure 1c. ROC curve indicating effectiveness of COMPASS 31 total score in detection of MS patients with Secretomotor domain score greater than 0

Secretomotor domain

- The area under the curve was 0.844.
- Optimal cut-off:
  Total COMPASS 31 score=11.4  → Sensitivity=0.886; Specificity=0.676
- Mean value cut-off:
  Total COMPASS 31 score=16.3  → Sensitivity=0.676; Specificity=0.766
Figure 1d. ROC curve indicating effectiveness of COMPASS 31 total score in detection of MS patients with Gastrointestinal domain score greater than 0

Gastrointestinal domain

- The area under the curve was 0.862.
- Optimal cut-off:
  Total COMPASS 31 score=5.1 → Sensitivity=0.801; Specificity=0.750
- Mean value cut-off:
  Total COMPASS 31 score=16.3 → Sensitivity=0.457; Specificity=0.893
Figure 1e. ROC curve indicating effectiveness of COMPASS 31 total score in detection of MS patients with Bladder domain score greater than 0

Bladder domain

- The area under the curve was 0.771.
- Optimal cut-off:
  Total COMPASS 31 score=9.0 → Sensitivity=0.788; Specificity=0.585
- Mean value cut-off:
  Total COMPASS 31 score=16.3 → Sensitivity=0.565; Specificity=0.745
Figure 1f ROC curve indicating effectiveness of COMPASS 31 total score in detection of MS patients with Pupillomotor domain score greater than 0

- The area under the curve was 0.733.
- Optimal cut-off:
  - Total COMPASS 31 score=6.8 → Sensitivity=0.754; Specificity=0.595
- Mean value cut-off:
  - Total COMPASS 31 score=16.3 → Sensitivity=0.472; Specificity=0.865

**Pupillomotor domain**