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# VALIDATION OF MANIPAL BEDSIDE SWALLOWING SCREENING TEST FOR ASSESSING ASPIRATION IN INDIVIDUALS WITH TRACHEOSTOMY

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VALIDATION OF MANIPAL BEDSIDE SWALLOWING SCREENING TEST FOR  
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**ABSTRACT**

**Background**

The availability of a standardised protocol that is exclusively focussed on assessing the swallowing concerns among tracheostomised individuals is limited.

**Objective**

To validate the Manipal Bedside Swallowing Screening Test (MBSST) for assessing aspiration in individuals with tracheostomy using Video Fluoroscopic Swallow Study (VFSS).

**Method**

A total of 53 tracheostomized participants took part in the study where they were screened for aspiration at bedside as well as VFSS across three different consistencies. Penetration Aspiration Scale (PAS) was used to substantiate the severity of aspiration if present.

**Results**

The test demonstrated both high sensitivity (91%; 95% confidence interval = 70.8-98.9) and diagnostic accuracy (96%; 95% confidence interval = 87.0-99.5) for detecting aspiration in individuals with tracheostomy.

**Conclusion and Significance**

The Manipal Bedside Swallowing Screening Test is an easy to administer tool that has sufficient sensitivity to detect aspiration in individuals with tracheostomy.

**Keywords:** Tracheostomy, Dysphagia, Aspiration, Protocol, Screening, Videofloroscopy