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Effect of Chin Position on Swallowing Assessed by Manometry

ABSTRACT

Maximum pressure of the velopharynx

1) Maximum pressure of the velopharynx

CONCLUSIONS

In this study, we attempted to evaluate the effects of chin position during swallowing in the neutral, chin-up, and chin-tucked positions using a novel high-resolution manometry (HRM) system.

METHODS

Twenty asymptomatic volunteers were studied using HRM. We measured the maximum swallowing pressure at the velopharynx, mesopharynx, and upper esophageal sphincter (UES), the mean value of resting UES pressure, the length of the UES, minimum swallowing pressure in the UES, and the relaxation interval (RI) of the UES in each position.

RESULTS

In this study, we attempted to evaluate the effects of chin position during swallowing in the neutral, chin-up, and chin-tucked positions using a novel high-resolution manometry (HRM) system.

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