

Society Proceedings

Chicago Association of Orthodontists

DR. A. FLORENCE LILLEY, *President*

DR. LELAND JOHNSON, *Secretary-Treasurer*

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A Roentgenographic Study of the Position of the Tongue

by

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This investigation was undertaken to obtain direct radio-graphic evidence of the position of the tongue after swallowing. The subjects for this study were fifteen individuals selected because they had excellent dental arches in normal relationship to each other.

The outline of the median sulcus of the tongue was obtained by a small gold link chain and the outline of the soft tissue covering the soft palate was obtained by adapting a thin strip of tinfoil along the median line of the palate.

Profile roentgenograms, 8" by 10", were made at the following intervals:

1. Immediately after swallowing.
2. One-half minute after swallowing.
3. One minute after swallowing.
4. Two minutes after swallowing.

Conclusions

1. The results of this study do not agree with the general belief that the tongue, when at rest, is invariably against the palate.
2. In 83% of the roentgenograms made immediately after swallowing the tongue was against the hard palate and the soft palate was pulled down against the posterior portion of the tongue.
3. Apparently the tongue should normally be against the palate immediately after swallowing, however, it shortly drops away from the palate and a negative pressure could then not exist.
4. The results of this study do not agree with the general belief that a vacuum space exists between the tongue and posterior portion of the hard palate.
5. The results of this study suggest that a vacuum or negative pressure within the mouth is not so important a factor in the maintenance of the mandible in its rest position as has been assumed.

311 E. Chicago Avenue

Announcements of Meetings

Chicago Association of Orthodontists

The regular meeting of the Chicago Association of Orthodontists will be held Monday, January 24, 1938, at the Palmer House, Chicago. Dinner will be served at 6:30, followed by a scientific session, at which Dr. William B. Downs will present a paper on "The Problem of Mesial Drift, Its Philosophy, Etiology, Diagnosis and Treatment."

The Eastern Association of Graduates of the Angle School of Orthodontists

The annual meeting of the Eastern Association of Graduates of the Angle School of Orthodontia will be held at the Boston Medical Library, Boston, Mass., on Monday and Tuesday, January 24 and 25, 1938.

DR. E. SANTLEY BUTLER, *Secretary*
55 Locust Avenue
New Rochelle, N. Y.

Chicago Dental Society Sets Date for Five-Day Meeting in February

The annual mid-winter meeting of the Chicago Dental Society will be held from February 14-18, inclusive, 1938. The meeting will be held as usual at the Stevens Hotel in Chicago.

One full day has been added to allow members and visitors to examine the host of exhibits and attend the numerous lectures that are being arranged. Numerous changes have also been made in the social program which is such an attractive part of the meeting.