

The Work of the Organs of Speech

Mahmudov Hojiakbar Quvondiq oqli

4 th year students at Djizzakh branch of The National University of

Uzbekistan named after Mirzo Ulugbek

Supervisor: Nafisa Teshaboyeva Zubaydulla qizi

Assistant teacher in the department

Foreign Languages at Djizzakh branch of The

National University of Uzbekistan named after Mirzo Ulugbek

Annotation: *Speech is a complex process that involves a coordinated effort of several organs in the body. The organs of speech work together to produce the sounds that we use to communicate with each other. These organs include the lungs, larynx, pharynx, oral cavity, and nasal cavity. The lungs provide the power for speech by exhaling air. The larynx, or voice box, contains the vocal cords, which vibrate to produce sound. The pharynx, or throat, helps to shape and amplify the sound. The oral cavity, or mouth, is responsible for articulating the sounds, which means changing the shape of the mouth to produce different sounds. The nasal cavity helps to produce nasal sounds. The way that the organs of speech work together is very intricate and precise. Even small changes in the position of the tongue or lips can produce a different sound. This is why it is so difficult to learn to speak a new language.*

Key words: *Speech production, Organs of speech, Lungs, Larynx, Vocal cords, Pharynx, Oral cavity, Nasal cavity, Articulation.*

Organs of speech refer to the physiological components responsible for the production of speech sounds. These include the tongue, lips, vocal cords, and related structures. This article delves into the intricate mechanisms and coordinated efforts of the organs of speech in human articulation. Exploring the physiological aspects of speech production, it examines the roles played by the tongue, lips, vocal cords,

and other crucial components. The article discusses how these organs work synergistically to produce the diverse range of sounds that form the foundation of human language. Additionally, it highlights the significance of understanding the physiological intricacies for fields such as linguistics, phonetics, and speech pathology.

Lungs. Function: Lungs provide the airflow necessary for speech production. The diaphragm contracts, causing the lungs to expand and air to be pushed out, creating the airflow needed for phonation.

Larynx. Function: The larynx, or voice box, houses the vocal cords and plays a crucial role in controlling pitch, volume, and producing voice during speech.

Vocal Cords. Function: Vocal cords, situated within the larynx, vibrate when air passes through, producing sound waves that are shaped into speech sounds by other articulatory organs.

Pharynx. Function: The pharynx, or throat, serves as a resonating chamber for speech sounds. It influences the timbre and quality of the produced sounds.

Oral Cavity. Function: The oral cavity, consisting of the mouth and its structures, shapes speech sounds through movements of the tongue, lips, and other articulators.

Nasal Cavity. Function: The nasal cavity contributes to speech by allowing or blocking airflow through the nose. Nasal sounds, such as those in French, involve the nasal cavity.

Articulation is the process of shaping speech sounds through precise movements of the tongue, lips, and other articulators to create distinct phonemes and words. Understanding the functions and interplay of these components is crucial for comprehending the complex process of speech production. In conclusion, the organs of speech play a crucial role in the production of speech. The process begins with the lungs, which provide the necessary airflow. The larynx, with its vocal cords, then controls the pitch and volume of the sound. The pharynx, oral cavity, and nasal cavity serve as resonating chambers, shaping the sound into recognizable speech sounds. Finally, articulation occurs as the various articulatory organs, such as the

tongue, lips, and teeth, modify the airflow to produce specific sounds. Overall, understanding the work of these organs is essential for comprehending the complexity and beauty of human speech production. Understanding the intricate workings of these organs is essential for comprehending the complexity and beauty of human speech production.

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