

GABRIELA KJURCHIEVA CHUCHKOVA



IMPORTANCE OF HYOID BONE POSITION FOR INTERDISCIPLINARY TREATMENT PLANE OF ORTHODONTIC PATIENTS

The hyoid bone, as unique bone in human body with no osseous articulation have a very important role in maintain the pharyngeal airway adequacy, and it is associated with vital functions. Position of hyoid bone maintain equilibrium of respiratory way and helps in maintenance of unobstructed airway during normal posture of head and neck. The stable hyo-cervical relation preserves the upper airway patency in adults.

Evaluation of the position, shape and function of the hyoid bone play important role, as a diagnostic tool for interdisciplinary treatment plane in orthodontic patients. Including plane for myofunctional treatment in growing patients, OSAS patients and it is very important for stability following mandibular orthognathic surgery.

This lecture will present and discuss the importance of determinate the hyoid bone position as a good diagnostic guide in different malocclusion, and its role in interdisciplinary treatment plane of orthodontic patients.

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Gabriela Kjurchieva Chuchkova has received her dental and orthodontic education at the Faculty of Dentistry, University “Ss. Cyril and Methodius” in Skopje. Postgraduate education and Master of Science in 1995 (thesis entitled "Morphology of dentoalveolar arches at mouth breathing children"), and PhD in January 2005 (doctoral thesis entitled "Craniofacial morphology and breathing pattern") at the University “Ss. Cyril and Methodius”, Faculty of Dentistry in Skopje. She is currently employed as a Professor at the Department of

Orthodontics, Faculty of Dentistry, University “Ss. Cyril and Methodius” and as an orthodontist at the Clinic of Orthodontics at PHO University Dental Clinical Center “St. Panteleimon”, Skopje, Republic of North Macedonia.

The main clinical and research interests of Dr. Kjurchieva Chuchkova include early orthodontic treatment, functional orthodontic treatment, interdisciplinary treatment of impacted teeth. Dr. Kjurchieva Chuchkova has written the text book of Orthodontics for the undergraduate and postgraduate students and residents in orthodontics. She is author and co-author of scientific papers published in international peer-reviewed journals. She has presented her work at conferences and congresses home and abroad, as an invited lecturer. Organizes conferences and congresses in the Republic of North Macedonia.

Member of the Macedonian Orthodontic Society (MOS)- President (2013 - today), Macedonian Dental Association (MDA) – President (2022 - today), European Orthodontic Society (EOS), World Federation of Orthodontics (WFO), Balkan Association of Orthodontic Specialists (BAOS). She was a President of Balkan Association of Orthodontic Specialists in 2019 and organized the 3rd Congress of BAOS in Ohrid, Republic of North Macedonia.