



Ultrasonographic evaluation of the circumoral musculature in skeletal class I and skeletal class II Division 1 malocclusion subjects: A comparative study

Shikha Rastogi Gupta

India

Abstract:

Lips function to provide competence to the oral cavity during mastication and at rest. To accomplish this multitude of functions, they require a complex system of muscles and supporting structures. In 1942, Breitner stated that there should be a balance between the forces of the tongue from within the dental arches and compensating action of the lips and cheek musculature. He called this as functional equilibrium. The exaggerated lip eversion on the maxillary incisor makes lip seal difficult. The discrepancy between bone bases leads to hypofunction and shortening of upper and lower lips, with eversion, and closure occurs on the palatal surface of the maxillary incisors, leading to Mentalis muscle hyperfunction, as it contributes to the increase of the lower portion of the Orbicularis Oris muscle. Alfred Paul Rogers was among the first to recommend the use of muscles for correction of malocclusion. To determine and compare the thickness of the Circumoral musculature Ultrasonographically in the Control Group (skeletal class I) and Experimental Group (skeletal class II division 1) in relaxed and contracted state.



Biography:

Shikha Rastogi Gupta is an Orthodontist by profession. She has completed my BDS in 2009 and MDS (Orthodontics) in 2014. She was a Gold medalist and University topper of MDS batch. She has presented two short term research studies in national conference and a clinical research paper in state level conference. She has published many research and clinical papers in national and international journals. Currently working as a Dental associate in Help Agra Hospital, Agra, India and Co Director at Tooth Health Dental Centre, Agra, India.

Publication of speakers:

1. Shikha Rastogi et al., Interproximal Reduction in Orthodontics: A Literature Review, Int J Dent & Oral Heal. 4:9, 160-168.

[Webinar on Dental Health | November 13, 2020 | London, UK](#)

Citation: Shikha Rastogi Gupta; Ultrasonographic evaluation of the circumoral musculature in skeletal class I and skeletal class II Division 1 malocclusion subjects: A comparative study; Dental Health 2020; November 01, 2020; London, UK