

Anthony Macari

Short Biography

Dr. Anthony Macari is an Associate Professor at the American University of Beirut (AUB), Lebanon, in the Division of Orthodontics and Dentofacial Orthopedics, Department of Otolaryngology and Head and Neck Surgery.

Dr. Macari received his DDS from Université Saint Joseph- Beirut and later a Graduate Diploma in Oral Biology from the Lebanese University. He completed his postgraduate residency in Orthodontics at AUB, received a Diploma in Orthodontics (DES) from the Lebanese University, and served as Chief Resident at AUB for one year and earned an MS in Human Morphology from the AUB Faculty of Medicine.

Dr. Macari is a diplomate of the European Board of Orthodontics. He is a member of the European Orthodontic Society (EOS), the American Association of Orthodontists (AAO), International Association of Dental Research (IADR), a founding member of the Lebanon Association for Dentofacial Research (LADR), and an awarded member in the prestigious Eastern component of the Edward H. Angle Society of Orthodontics. Dr. Macari received the 2011 Aesthetic Dentistry MENA Award, and the co-recipient of the 2020 Wayne G. Watson Award for Biologic or Experimental Research from the American Journal of Orthodontics and Dentofacial Orthopedics, and the 2022 recipient of the Brainerd F. Swain Award of Excellence from the Angle Society of Orthodontists, Eastern Component. Dr. Macari is a co-founder of the Dental Medicine Alumni chapter at AUB.

Dr. Macari's main research focuses is the interface between craniofacial morphology and Head and Neck function (early effect of nasal obstruction on facial morphology, and the optimal timing for removal of adenoids and tonsils, and relationship between craniofacial morphology and voice parameters) and etiology of malocclusion and facial esthetics ranging from determination of genetic components of mandibular prognathism to facial esthetics in different facial types. His scholarly contributions include more than thirty journal publications and book chapters. He is an invited speaker at local, regional and international meetings. Dr. Macari is a reviewer for major orthodontic and dental journals.

Vertical occlusal problems: treatment options and challenges

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Abstract

Treatment of vertical malocclusions is complex and challenging because of the potential for relapse and the possibility of compromised esthetics. In this presentation, we discuss the different treatment modalities for treatment of growing individuals and non-growing patients. Treatment ranges from correction of etiologic habits to control of vertical growth and dentoalveolar vertical irregularities. Orthodontic miniscrews and plates have expanded the sphere of success, but long-term studies and controlled clinical trials are needed. Limitations of treatment include the persistence of known etiologic factors and initial growth pattern, the difficulty to accurately predict the individual course of development or the response to treatment. In addition, facial components are evaluated as part of the complete vertical diagnosis and presence of constitutional limitations in the soft tissue are highlighted.