

## Clinical Anatomy for Oral and Maxillofacial Aesthetic Procedures

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Clinical dentistry is the art and science pursuing the facial aesthetic outcomes as well as the functional improvement. For the dentist, the anatomy and physiology on the perioral structures is well educated and the clinically-oriented aging process of the maxillofacial structures should be fully aware for purposes of the aesthetic and functional rejuvenation.

Anatomically, the face is the most complicated structure of the human body. Furthermore, maxillofacial anatomy varies individually and shows the racial differences. Recently, the importance on the facial anatomy has been reconsidered as the increasing demand on the facial aesthetics. To avoid the unexpected complications after the injectables treatment, a detailed understanding of the maxillofacial anatomy is essential.

Through my talk, I would like to show the clinical anatomic features of the maxillofacial region including individual and racial variations. Especially, clinical anatomic knowledge related to the filler injection for the safe and efficient outcomes in clinical dentistry will be demonstrated.

To avoid the serious complications after the injection, the detailed vascular anatomy of the face is essential. In this presentation, I would like to show (1) the whole running courses of the facial artery (FA) and superficial temporal artery (STA), (2) the origin and nature of the angular artery, and (3) the courses and distribution patterns of the perioral artery. Vascular compromise is one of the most severe side effects of filler injection, and a sound understanding of facial vascular anatomy can significantly reduce the risk of side effects.

### Profile

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