



American Academy of Maxillofacial Prosthetics
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Program Speaker – Timothy P. Daudelin

Title

Fully Digital Workflow for Precise Navigation of Severely Compromised Skeletal Class III Patient

Abstract

Jaw deformities with moderate to severe skeletal class III malocclusion typically require a combination of orthodontic treatment and orthognathic surgery to establish a stable occlusion in an ideal skeletal class I relationship. In increasing rates, adult patients presenting with such deformities are seeking full mouth rehabilitation to address functional and/or esthetic concerns. While it is often challenging to plan the postsurgical occlusion precisely, factors such as tooth migration, loss of posterior support, and hopeless teeth, often present in adult patient pool, pose a significant challenge in the presurgical planning of orthognathic surgeries aiming to establishing an ideal class I occlusion.

This presentation will follow the planning and restoration of a severely compromised skeletal class III patient with pathologic tooth migration, loss of posterior support, and a hopeless dentition. A multi-disciplinary approach, with the use of a fully digital workflow allowed for the precise navigation of the multitude of treatment planning challenges to allow for efficient, predictable, esthetic, and harmonious treatment.

Biography

Lieutenant Timothy Daudelin was born and raised in New Jersey. He earned a Bachelor of Science degree in Biology with minors in Chemistry and Applied Mathematics, Summa Cum Laude, from the New Jersey Institute of Technology, Newark, NJ in 2016. During this time, he competed as an NCAA Division I athlete in Cross Country, Indoor, and Outdoor Track & Field and was named Team Captain during his Junior and Senior years.

Lieutenant Daudelin attended Columbia University School of Dental Medicine in 2017 and was awarded The Academy of Operative Dentistry's Outstanding Achievement in Operative Dentistry and Divisional Excellence in Prosthodontics, graduating with the degree of Doctorate of Dental Surgery in 2021. Immediately after graduation, Lieutenant Daudelin entered a three-year residency program specializing in prosthodontics at the Naval Postgraduate Dental School in Bethesda, Maryland and is now in his 2nd year.