



**American Academy of Maxillofacial Prosthetics**  
**69<sup>th</sup> Annual Meeting: October 30 – November 1, 2022**  
**Omni Austin Downtown, Austin, Texas**

**Program Speaker – Lawrence Brecht**

**Title**

Jaw-in-a-Day 6.0: The Current State of Immediate Reconstruction of the Maxilla and Mandible

**Abstract**

The technique to resect a maxilla and/or mandible for tumor removal, reconstruct the surgical defect with a microvascular free flap tissue transfer, place endosseous dental implants and deliver an immediate prosthetic rehabilitation all in one surgical procedure has been in use now for more than 10 years. Much has been learned by the several teams that almost simultaneously reported their experiences in the evolution to developing the technique. Over this period, the procedure has been modified and refined and the scope of its application has been expanded. This presentation describes the evolution of the technique pioneered by one surgical-prosthetic team. The advantages and disadvantages of the various modifications of the technique developed over the years will be reviewed. In addition, the importance of cutting guide design, reconstruction plate design and implant design will be discussed. Complications as well as surgical and prosthetic challenges that have been encountered will also be reviewed.

**Learning Objectives:**

Attendees of this presentation shall:

1. Understand the rationale for continued cutting guide evolution
2. Understand the rationale for implant design modifications
3. Understand the management protocols for complications

**Biography**

Dr. Brecht is currently the Director of Maxillofacial Prosthetics at Lenox Hill Hospital, Long Island Jewish Medical Center and North Shore University Hospital of the Northwell Health System, the largest hospital system in New York State. In addition, he serves as the Director of Maxillofacial Prosthetics in the Postgraduate Prosthodontic Program of NYU College of Dentistry where he is an Adjunct Associate Clinical Professor of Prosthodontics. Dr. Brecht also has the privilege of an appointment in the Department of Head & Neck Surgery at MD Anderson Cancer Center of The University of Texas.

Prior to its dissolution in 2015, Dr. Brecht was the Director of Dental Services at the Institute of Reconstructive Plastic Surgery at NYU Langone Medical Center with appointments at NYU School of Medicine in the Department of Plastic Surgery and the Department of Otolaryngology/Head & Neck Surgery.

Dr. Brecht maintains a private practice in Manhattan limited to maxillofacial prosthetics and prosthodontics

He has authored numerous articles and book chapters on the maxillofacial reconstruction and oral rehabilitation of patients with cancer or craniofacial anomalies. He is one of the developers Nasoalveolar Molding (NAM) for early care of infants with clefts. In addition, he is part of the team that developed the "Jaw-in-a-Day" (JIAD) technique for immediate reconstruction of the maxilla or mandible with microvascular composite flaps along with immediate implants and prosthetic rehabilitation.

Dr. Brecht serves as the president of The Maxillofacial Foundation as well as the NextGenFace Foundation.

*\*Has disclosed Affiliation/Financial Interest with the following company: Straumann USA, LLC*