



American Academy of Maxillofacial Prosthetics
70th Annual Meeting: October 21 – 24, 2023
Omni San Diego Downtown, San Diego, California

Program Speaker – Michael Markiewicz

Title

One-Day Jaw Reconstruction: The Roswell Park Approach to Malignant Tumors

Abstract

The reconstruction of the maxillofacial system after a cancer diagnosis has undergone dramatic changes in the past twenty years. In traditional jaw rehabilitation, the removal of tumor tissue resulted in severe dysfunction with compromises to speech, swallowing, as well as appearance. The advent of microvascular tissue transfer and implant borne oral reconstruction allowed the delayed rehabilitation of patients with prostheses that more closely resemble the missing dental and facial units. More recently, advances in virtual surgical and prosthetic planning have allowed for an immediate reconstruction of oral and dental units at the time of resection of tumors. The One-day Jaw Rehabilitation method developed at the Roswell Park Comprehensive Cancer Center aims to not only to replace structures removed during the ablation of malignancies but also to rehabilitate the surrounding oro-facial structures, in some cases improving the patients function and esthetics well beyond where they were prior to their cancer diagnosis. The advantages and disadvantages of the technique will be discussed as well as the surgical and prosthetic challenges that have been encountered.

Biography

Dr. Markiewicz is Professor and Chair of the Department of Oral and Maxillofacial Surgery at the University of Buffalo, and adjunct Professor in the Departments of Neurosurgery and Surgery at the Jacob's School of Medicine and Biomedical Science. He is an attending Head and Neck and Reconstructive Surgeon and Roswell Park Cancer Center, and is Co-director of the Cleft and Craniofacial Team, at the Craniofacial Center of Western New York. Dr. Markiewicz earned his Dental Degree at the University at Buffalo, and Medical Degree at Oregon Health and Science University where he also completed his General Surgery and Oral and Maxillofacial Surgery training. He obtained a Master's of Public Health from Harvard University with a concentration in Biostatistics and Epidemiology, and completed a Fellowship in Clinical Investigation at The Massachusetts General Hospital, Boston Massachusetts. Dr. Markiewicz completed a fellowship in Pediatric Cleft and Craniofacial Surgery, at the Arnold Palmer Hospital for Children, in Orlando Florida. To complete his surgical training, he completed a fellowship in Head and Neck Oncologic and Microvascular Reconstructive Surgery in the Division of Head and Neck Surgery, at the University of Florida, College of Medicine, in Jacksonville Florida. Dr. Markiewicz's clinical and research interests are dedicated to the management of Cleft and Craniofacial anomalies in Children and Adults, the treatment of Head and Neck Cancer, and the reconstruction of Congenital and Acquired Defects in Children and Adults.

**Has disclosed Affiliation/Financial Interest with the following company: Axogen Inc.*