



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

Program Speaker – Mark Hutten

Title

Management of the H&N Radiation Clearance for Patients with a Previous Bisphosphonate History

Abstract

Much has been documented regarding the pathophysiology of osteoradionecrosis (ORN) and more is being learned about the pathophysiology of medication related osteonecrosis of the jaw (MRONJ). Protocols have been developed for each of these significant complications with successful outcomes in many situations, but predictable outcomes are not necessarily guaranteed. This presentation will review the general information regarding what is known about the pathophysiology of ORN and MRONJ. As more and more patients are being treated for osteoporosis or other conditions that may require intervention with bisphosphonates or other drugs that may lead to the development of MRONJ, what happens when these patients require radiation therapy to the head and neck for treatment of an oral malignancy? The dental clearance for these patients is greatly complicated by their previous medical therapy and considerations for this clearance will be introduced. An unfortunate situation will be discussed with a case presentation of simultaneous MRONJ and ORN. In addition, the treatment protocol that was utilized will be introduced with discussion of the outcome achieved.

LEARNING OBJECTIVES

- 1.) To understand the basic pathophysiology of ORN and MRONJ
- 2.) To understand situations where ORN and MRONJ may be simultaneously present
- 3.) To be introduced to a possible treatment protocol for simultaneous ORN and MRONJ

Biography

Dr. Mark Hutten is the Director of both the General Practice Residency Program and Dental Oncologic Services at Northwestern Memorial Hospital in Chicago, IL and an Associate Clinical Professor in the Department of Otolaryngology Head and Neck Surgery, Northwestern University Feinberg School of Medicine. He received his BS from Northwestern University in Biomedical Engineering with a Materials Science concentration in 1985 and his DDS also from Northwestern University in 1989, his GPR certificate from Northwestern Memorial Hospital in 1990 and his Oral Oncology Certificate from Northwestern Memorial Hospital and Northwestern University Medical School in 1991. Dr. Hutten earned his Certificate in Prosthodontics from Northwestern University in 1996. In 1999, he completed the process of Board Certification becoming a Diplomate of the American Board of Prosthodontics and a Fellow of the American College of Prosthodontists (ACP). Dr. Hutten is the ACP Immediate Past President and is a Fellow of the AAMP.