Posterior Bite Collapse and Diagnostic Grading for Periodontitis

Live CE Course Via Zoom

Date: Friday, December 11, 2020
Time: 9:00am – 12:00pm
Registration: 8:30am
Tuition: D $100 DT $50 Faculty $15 Residents/Students FREE
Credits: 3 (L)

The major outcome from the 2017 World Workshop on the Classification of Periodontal and Peri-Implant Diseases and Conditions, was to revise the current staging and grading of periodontitis. The framework and proposed four stages of periodontitis, defined by severity and extent of periodontal breakdown in addition to complexity of management, was published in the Journal of Clinical Periodontology and adopted by the American Academy of Periodontology. According to this new classification, Stage IV periodontitis can include posterior bite collapse and references a 1976 Journal of Clinical Periodontology article by Sture Nyman and Jan Linde. However, a clear definition of bite collapse is never elaborated upon within either article. The diagnosis known as posterior bite collapse, which is commonly used in academic circles when treatment planning cases, first appeared in the 1964 Goldman and Cohen textbook Periodontal Therapy. In their chapter, Morton Amsterdam and Leonard Abrams described a clinical syndrome with multiple etiologic factors, where the loss of posterior occlusal support potentially led to the breakdown of the functional protective capacity of the entire dentition, often resulting in further tooth loss, increasing fremitius/mobility, secondary occlusal trauma, flaring of the anterior teeth, and loss of occlusal vertical dimension. Unfortunately, since its inception because this is a broadly encompassing diagnosis, posterior bite collapse has taken on different, often erroneous, interpretations over the years; most common include the presence of active periodontitis and loss of vertical dimension. The goal of this lecture is to not only re-examine the original 1964 definition of the term and elucidate the multiple clinical manifestations of posterior bite collapse, but also re-count further clarification base upon first-hand interactions with Dr. Amsterdam. Also to propose a new classification for posterior bite collapse within the context of diagnostic staging for periodontitis.

Upon course completion, you will:

- Identify ideal, physiologic, and pathologic occlusion.
- Define posterior bite collapse.
- Present various clinical manifestations of bite collapse according to Angle’s malocclusion.
- Provide etiological factors contributing to bite collapse.
- Provide treatment guidelines.
- Suggests a classification for bite collapse within the context of periodontitis.
Presenters:

Dr. David Donatelli

- Graduated from Temple University School of Dentistry in 1980
- Graduate Certificate in Prosthodontics from Temple University School of Dentistry in 1982
- Fellow, American College of Prosthodontists
- Diplomate, American Board of Prosthodontics
- Diplomate, International Congress of Oral Implantologists (ICOI)
- Member, International Team for Implantology (ITI)
- Member, American Academy of Fixed Prosthodontics
- Member and Past President, Pennsylvania Prosthodontic Association
- Past President, Carl O. Boucher Prosthodontic Conference

After completing the graduate prosthodontic program at Temple University School of Dentistry, Dr. Donatelli returned to Pittsburgh, PA to teach part-time at the University of Pittsburgh School of Dental Medicine and maintain a private practice limited to prosthodontics. In 2011, he returned to Philadelphia and Temple University Kornberg School of Dentistry as a full-time faculty member in the Department of Restorative Dentistry. He was a Clinical Assistant Professor and the Course and Clinic Director for Removable Prosthodontics. He presently is in private practice in Chalfont, PA. Dr. Donatelli has served on various ACP committees and currently serves on the ACP Council to the American Board of Prosthodontics. He was a member on the ACP Task Force on Occlusion and a contributing editor to the Occlusion e-Book. He has more than thirty years of experience teaching and performing all phases of removable, fixed and implant prosthodontics.

Dr. Scott Nakamura

Dr. Nakamura is a third generation dentist who was born and raised in Honolulu, Hawaii. He completed his dental education at the University of Pennsylvania School of Dental Medicine and pursued postgraduate training in periodontics and periodontal-prosthesis, also at the University of Pennsylvania. From 1997-2011, Dr. Nakamura worked and taught at the University of Pennsylvania Faculty Network Practice, where he placed and restored dental implants, performed various periodontal procedures, provided fixed and removable prosthetics, and practiced general dentistry. He is currently a part-time affiliated faculty at Temple University Dental School, as well as maintains a private practice in Exton, PA. Dr. Nakamura is dedicated to imparting and applying the knowledge he’s accumulated over the years from his postgraduate training and practicing to his patients, contemporary colleagues, as well as potential colleagues of tomorrow. He lectures locally, nationally, and internationally on various topics such as Dental Implants, Periodontics, and Occlusion. Additionally, Dr. Nakamura had articles published in the Hawaii Medical Journal, the Western Journal of Medicine, Penn Dental Journal, and Journal of Prosthodontics.

Dr. Scott Nakamura: No relevant financial relationships to disclose.

CE Planning Committee: Members of the CE planning committee have no relevant financial relationships
to disclose.