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DIPLOMATES OF THE AMERICAN BOARD OF ORAL & MAXILLOFACIAL SURGERY

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Prophylactic Antibiotics Update

In the January 2015 *Journal of the American Dental Association*, the ADA Council on Scientific Affairs published a new article entitled "The Use of Prophylactic Antibiotics Prior to Dental Procedures in Patients with Prosthetic Joints". This article is designed to clarify the 2012 evidence based guideline that was published by the ADA and the

American Academy of Orthopedic Surgeons entitled "Prevention of Orthopedic Implant Infection in Patients Undergoing Dental Procedures: Evidence-based Guidelines and Evidence Report."

Based on an updated literature review, the ADA is now recommending that prophylactic antibiotics not be

administered to most patients with prosthetic joint implants prior to a dental procedure to prevent possible prosthetic joint infection. There are patients with clinical circumstances that imply an elevated level of medical risk where prophylactic antibiotics should be considered. The ADA recommends that the clinician use professional judgment based on a thorough evaluation of each patient in the decision process prior to prescribing prophylactic antibiotics. Consultation with the patient's orthopedic surgeon is indicated when necessary.

Clinical and medical concerns that might indicate the need for prophylactic antibiotics include:

1. For patients with a history of complications associated with their joint replacement surgery who

are undergoing dental procedures that include gingival manipulation or mucosal incision.

2. Medically compromised patients including, but not limited to, poorly controlled diabetics and immunocompromised patients.
3. Patients with 3 or more comorbidities which create a significant medical risk.

The ADA has also taken into consideration the overuse of antibiotics. There are significant potential harms of antibiotic use including the risk of anaphylaxis, antibiotic resistance, as well as opportunistic infections like *Clostridium difficile*.

The OMSNIC Risk Management Committee supports the new guidelines created by the American Dental

DENTAL FUN FACT

DID YOU KNOW...

MOST REDHEADS EXPERIENCE PAIN DIFFERENTLY THAN THE REST OF US? THEIR HAIR COLOR IS CAUSED BY A MUTATION IN THE SKIN'S MELANOCORTIN-1 RECEPTOR GENE, WHICH MAY "INADVERTENTLY ACTIVATE" SIMILAR RECEPTORS IN THE BRAIN THAT PROCESS ANXIETY AND PAIN, SAYS ANTHONY G. DOUFAS OF THE OUTCOMES RESEARCH CONSORTIUM OF CLINICAL ANESTHESIOLOGISTS.

ANECDOTAL EVIDENCE LONG HELD THAT REDHEADS WERE HARDER TO ANESTHETIZE. THE CONSORTIUM TESTED THIS THEORY AND FOUND THAT REDHEADS REQUIRED 19% MORE GAS FOR GENERAL ANESTHESIA. THEY'RE ALSO MORE SENSITIVE TO THERMAL PAIN AND MORE RESISTANT TO LOCAL ANESTHESIA. NO WONDER THE JOURNAL OF THE AMERICAN DENTAL ASSOCIATION REPORTED REDHEADS ARE "MORE THAN TWICE AS LIKELY" TO AVOID THE DENTIST'S CHAIR.
-National Geographic June 2014

NEWS YOU CAN USE

Dr. Brian Bovino Has Co-Authored an Article

Management of Tooth Extraction in a Patient With a Rare Bleeding Disorder Associated With Hermansky-Pudlak Syndrome: A Case Report
By: Brian Bovino, DMD, et.al.

J Oral Maxillofac Surg 73:219-223,2015

To read this entire article please go to:
<http://www.pubfacts.com/author/Brian+Bovino>

Association. Our recommendations is to thoroughly evaluate each patient prior to prescribing prophylactic antibiotics. Consider consultation

with the orthopedic surgeon for guidance as needed.

For more information on this article please visit; <http://>

[jada.ada.org/article/S0002-8177\(14\)00019-1/abstract](http://jada.ada.org/article/S0002-8177(14)00019-1/abstract)

**Dr. Brian Simpson
announces the twenty second meeting of the
NANUET IMPLANT STUDY GROUP**

**Speaker: Jack Horng, MD
Director Bon Secours Sleep Disorder Institute at
Good Samaritan Hospital, Suffern, NY**

Sleep Apnea

**Tuesday, June 9, 2015
Dinner: 6:30 Presentation: 7:00 — 9:00 pm
Hudson House Nyack, NY**

**2 CE credits awarded by the
Ninth District Dental Association**

Cost: \$50.00

**To register, contact Marissa: 845-623-3497
or email her at soms@drbriansimpson.com**

*"Those who do not remember the past are condemned to repeat it."
George Santayana*

