Study: Gum disease may increase lung cancer risk

By AAP Staff

Chinese researchers have found that individuals with periodontal disease might be at an increased risk of developing lung cancer. The report, published ahead-of-print in the Journal of Periodontology, found that individuals with periodontal disease have a 1.36-fold increased risk of developing lung cancer.

In the report, titled “Periodontal Disease and Incident Lung Cancer Risk: A Meta-Analysis of Cohort Studies,” the authors assess the findings of five cohort studies that evaluated 321,420 participants. The analysis notes an increased risk even after adjusting for participants’ alcohol consumption and smoking habits, both of which are common risk factors for periodontal disease. Study participants who were drinkers, smokers and had been diagnosed with diabetes — which is an independent risk factor for both lung cancer and periodontal disease — demonstrated a 1.36-fold increase in lung cancer risk.

The data also indicate that women with periodontal disease are more likely than males to develop lung cancer. One of the studies cited in the report suggests that certain oral bacteria may be involved in the development of cancer cells in the lungs, while another indicates successful treatment of periodontal disease may lead to a substantially reduced lung cancer risk.

Further research is needed to fully understand the link between lung cancer development and periodontal disease. “This report can be added to the body of literature that associates periodontal disease with other conditions in the body, including diabetes and heart disease,” said Wayne A. Aldredge, DMD, New Jersey periodontist and president of the American Academy of Periodontology (AAP), which publishes the Journal of Periodontology. “While additional research is needed on the possible links between lung cancer and periodontal disease, we know for sure that taking care of your teeth and gums can reduce periodontal disease risk and possibly the risk of other systemic conditions.”

Periodontal disease affects one of every two Americans age 30 and older and is twice as prevalent as diabetes. About 158,000 Americans are expected to die from lung cancer this year. More people die of lung cancer than colon, breast and prostate cancers combined.

For more information, visit perio.org.

About the American Academy of Periodontology

The American Academy of Periodontology (AAP) is an 8,200-member professional organization for periodontists — specialists in the prevention, diagnosis and treatment of diseases affecting the gums and supporting structures of the teeth. Periodontics is one of the nine dental specialties recognized by the American Dental Association.

AO reveals recipients of OF Research Grants

By Academy of Osseointegration Staff

Recipients of the 2016-2017 Osseointegration Foundation (OF) Research Grants were announced at the Academy of Osseointegration’s (AO) 2016 Annual Meeting in San Diego this spring. Grant recipients are each awarded $30,000 and will present their results at the 2017 AO Annual Meeting, taking place in Orlando, Fla., March 15-18.

1st Place Basic Science
“An Adhesive and Osteoconductive Hydrogel for Bone Tissue Regeneration in Peri-implant Bone Loss”
- Alireza Moshaverinia, DDS, MS, PhD
UCLA School of Dentistry

“As a junior faculty member, and a member of AO, it’s so encouraging to see how heavily the Osseointegration Foundation invests in research, and it’s an absolute honor to be selected for the prestigious research grant,” said Dr. Moshaverinia, a tenure-track assistant professor in the division of advanced prosthodontics at UCLA School of Dentistry and a diplomate of the American Board of Prosthodontics. “This award will enable me to continue important research in the area of mesenchymal stem cell (MSC) mediated tissue engineering and regenerative medicine related to implant and reconstructive dentistry.”

1st Place Applied Science
“The Influence of Mucosa Tissue Thickness on Marginal Bone Loss of Implants with Smooth Collars: A Prospective Controlled Trial”
- Hom-Lay Wang, DDS, MSD, PhD
University of Michigan School of Dentistry

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AAID releases comprehensive implant dentistry benchmarking study

By AAID Staff

The American Academy of Implant Dentistry recently announced the release of the first benchmarking study for the implant dentistry practice in the United States. This comprehensive resource provides dental professionals with critical information and statistics about the implant dentistry field. The AAID Benchmarking Study helps dentists better understand trends related to:

- Staffing models, compensation and benefits
- Overall practice performance in terms of revenue and expenses
- Procedures and fees
- Effective marketing techniques used to drive business

The AAID retained McKinley Advisors, a highly regarded research and consulting firm, to develop the questions, collect and compile the data, and provide insights based on years of experience in analyzing research data. Nearly 600 dentists completed the online survey during late summer and early fall, 2015. Respondents included both AAID members and non-members.

Some of the key findings were published in the Spring 2016 issue of the AAID News. Here’s a sampling:

- 57 percent of implant dentists reported that implant dentistry represents less than 25 percent of the gross receipts of the practice. Another 25 percent said it represented between 26 percent and 50 percent.
- 75 percent practice both surgical and restorative phases of implant dentistry.
- 42 percent reported total receipts in the practice of less than $1 million.

The AAID study is an essential tool for all implant dentistry professionals. With it, practicing implant dentists can benchmark practice performance against peer practices of similar size and focus, and against the broader field as a whole.

Participants in the study received a free copy of the full report. The full 68-page report can be purchased from AAID for $245 to $285 for members of the AAID and $345 for non-members. For more information about the AAID, visit AAID online or call (312) 335-1550.

AAID releases comprehensive implant dentistry benchmarking study

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“Our research team is humbled and honored to receive the AO and OF research grant. It clearly shows that the AO and its foundation are committed to supporting innovative research ideas especially in the field of implantology,” said Dr. Wang, collegiate professor of periodontics, and professor and director of graduate periodontics, in the department of periodontics and oral medicine at the University of Michigan School of Dentistry and a diplomat of the American Board of Periodontology.

“The grant will be used to help support our team’s research to understand if soft-tissue biotype plays a role in influencing implant marginal bone loss. The grant will also help us to further support the AO’s mission: dedication to the highest standards in patient care, research and education.”

The 2015-2016 OF Research Grant recipients presented their findings at AO’s 2016 Annual Meeting and are expected to submit manuscripts to the International Journal of Oral and Maxillofacial Implants (JOMI) later this year.

A call for applications for the 2017-2018 OF Research Grants will be announced this fall. Follow AO on Facebook and Twitter to stay informed.

With 6,000 members in 70 countries around the world, the AO is recognized as a premier international association for professionals interested in implant dentistry.

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Glidewell Dental announces release of 3.2-mm-diameter tapered implant

By Glidewell Dental Staff

Glidewell Dental, a leading provider of dental products, implant solutions and lab services, recently announced the Inclusive® Tapered Implant (www.inclusivedental.com/Implants/InclusiveTaperedImplants.aspx) is now available in a 3.2 mm diameter.

In a continuation of the company’s commitment to provide practitioners with the tools they need to achieve predictable results in a wide variety of clinical situations, the new implant size incorporates a narrow-diameter apex and was designed to ease positioning in areas of limited anatomical space, such as upper lateral incisors, lower incisors and narrow ridges.

With the latest addition, the Inclusive Tapered Implant is now available in 3.2 mm, 3.7 mm, 4.2 mm, 4.7 mm and 5.2 mm diameters.

The new 3.2-mm-diameter implant includes a 3.0 mm prosthetic platform, a design feature engineered to increase soft-tissue thickness at the abutment-implant connection, which can facilitate crestal bone preservation. Featuring an industry-standard, internally hexed conical connection, the implant is compatible with popular prosthetic components and instrumentation.

The implant’s deep conical interface encourages lateral stability, while its coronal micro-threads increase the surface area available for bone-to-implant contact at the crest of the ridge. The tapered body of the implant and buttress threads are designed to engage and gently compress the bone, increasing primary stability and aiding the osseointegration process.

The addition of the 3.2 mm implant is accompanied by the release of an all-new surgical kit, which has been redesigned for greater simplicity, durability and ease of use, and expanded to accommodate the full range of Inclusive Tapered Implants. Inclusive Tapered Implants have performed well in clinical studies, are machined from high-strength titanium alloy and include a surface that has been treated with resorbable blast media (RBM), a process that has been shown to promote bone development on the implant, according to the company.

For more information on the Inclusive Tapered Implant, call (800) 407-3379 or visit inclusivedental.com.

Inclusive Tapered Implants are made in the United States by Prismatik Dentalcraft, Inc., the manufacturing arm of Glidewell Dental based in Irvine, Calif. Glidewell Dental is a privately owned corporation that has more than 45 years of history as a provider of high-quality restorations and implant solutions to dental practitioners nationwide. Its CAD/CAM processing capabilities are recognized as among the most advanced in the industry.

To view its large selection of clinical videos, C.E. courses, products and services, visit glidewelldental.com.
NEITHER IS THE ANATOMY OF YOUR IMPLANT PATIENTS

Your world is already full of clinical challenges so why work harder because of conventional thinking? Instead of augmenting sloped ridges to accommodate flat-top implants, it’s time to discover a simpler solution by using an implant that follows the bone.

Because sloped-ridge situations call for anatomically designed sloped implants.

OsseoSpeed™ Profile EV
It’s time to challenge conventional thinking