

NEW TOOTH DECAY TREATMENT GUIDELINES

ADA recommends conservative methods to lead to better outcomes.

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**INNOVATIONS TO EXPAND YOUR VISION**

These loupe and headlight designs just might change the way you work forever.

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**ENDODONTIC FILES PROMISE TO BE SIMPLE, SMOOTH, FLEXIBLE**

Products also help prevent overinstrumentation and file binding.

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Dykema's 10th Annual Definitive Conference for DSOs heads to Colorado

By Dental Tribune Staff

Dykema's 10th Annual Definitive Conference for Dental Service Organizations is returning to Aurora, Colo., and to the Gaylord Rockies Resort & Convention Center for the annual event that promises attendees opportunities to learn about current best practices and insights that are relevant to the industry.

The award-winning conference, taking place from July 19 to 21, is considered one of the best networking events each year, attracting more than 1,500 DSO leaders, dental practitioners and vendors. Each year, this immersive conference offers topics carefully selected to appeal to all facets of the DSO industry, including buyers, sellers, practice owners, executives, entrepreneurs, investors, DSOs and in-house counsel.

One of the highlights will be an interview with Andre Agassi, the former No. 1 ranked tennis player and multi Grand Slam champion as well as author, philanthropist and education advocate.

Agassi will take the stage at 10 a.m. on July 21. Stick around afterward to get

your photo with the tennis legend.

Another highlight comes on July 20 with the state of the industry discussion with Steve Thorne, the founder and CEO of Pacific Dental Services, one of the nation's leading dental support organizations. Thorne established his company in 1994 in Irvine, Calif. and has grown it to include more than 850 dental practices across 20 states.

Other highlights include numerous breakout sessions covering all aspects of DSOs — you can learn about how to grow your DSO, get answers to the questions you have about the legal aspects of your DSO and learn about DSO lending as well as navigate HR compliance.

In addition, there are multiple social events planned. On July 19, enjoy a champagne welcome followed by a dinner and reception under the stars.

July 20 will feature a drone show and then a little "Heaven Is a Place on Earth" as musician Belinda Carlisle takes the stage for a two-hour concert.

On July 21, you can get professional headshots from 8 a.m. to noon.

For more information and for a complete look at the schedule, see *dykema dso.com/2023-info*.



The Gaylord Rockies Resort & Convention Center, seen here in winter, will play host to this year's Dykema 10th Annual Definitive Conference for Dental Service Organizations. (Photo/Provided by the Gaylord Rockies Resort & Convention Center)

Come for the C.E., stay for the fun at FDC

By Florida Dental Convention Staff

We cannot wait to see you soon at the 2023 Florida Dental Convention (FDC), from June 29 to July 1, at the beautiful Gaylord Palms! It's not your average dental meeting — with cutting-edge continuing education, innovative products and services, new technologies and so

much more, FDC is excited to offer 130-plus courses, 300-plus leading dental vendors and endless teambuilding and networking opportunities for the entire dental team. There is something for everyone at FDC.

Other educational sessions range from in-depth mini-residencies to team building lectures. Each course will teach you skills and techniques to enhance your

professional career and can be immediately implemented in your office on Monday morning.

This year, organizers are thrilled to present a program to take your knowledge to new heights. The Dawson Academy is offering its two-day course, "Functional Occlusion — Protocols to Put Your Practice in the Top 10%," where you'll learn the requirements for occlusal sta-

bility to improve your practice as you envision yourself in the top 10 percent.

Additionally, FDC2023 features cutting-edge courses on 3-D printing, sleep disordered breathing, platelet-rich fibrin therapy, implant advancements, crown lengthening and more.

► See FDC, page A2

◀ See FDC, page A1

The FDC Exhibit Hall will offer 300-plus leading dental exhibitors, a cocktail reception on Thursday, June 29 from 4 to 6 p.m. and Puppy Break on Friday, June 30 from 3 to 5:45 p.m. The exhibit hall will be all three days of FDC, allowing you to meet with all the vendors you want to see.

Not interested in C.E.? Take advantage of free exhibit hall passes for the entire dental team. Get your pass online at www.floridadentalconvention.com or onsite outside the exhibit hall.

The real fun at FDC begins each night when the C.E. classes end. As always, the FDC motto continues to be "Come for the C.E., stay for the FUN." On Thursday, June 29, start your evening at the free Welcome Cocktail Reception in the exhibit



Attendees at the Florida Dental Convention 2022 watch that year's keynote speaker. This year, the keynote speakers include Kelly Tanner on Thursday morning and Marvelless Mark on Friday.

(Photo/Dental Tribune file photo)

hall. Then, it's the LIVE! at FDC party, featuring Blonde Ambition Band.

On Friday, June 30, make plans to attend the Out of This World party where you'll be launched into a night of live music and fun. End your night dancing to today's top hits at The After Party.

We hope you will just us at FDC2023 and make the most of every learning, buying and networking opportunity available to you. Register online 24/7 at www.floridadentalconvention.com or on-site at the Registration Desk. We can't wait to #FDCYouSoon.

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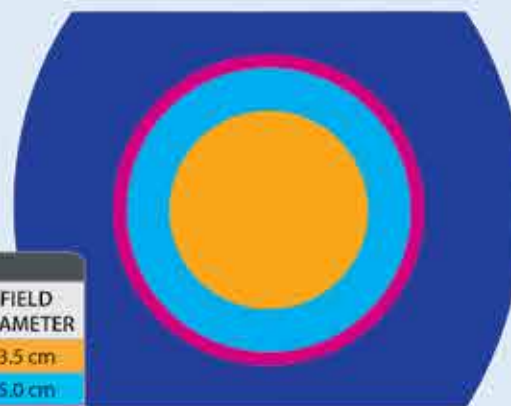


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ADA releases new tooth decay treatment guideline

Expert panel advises conservative approaches in first-ever restorative clinical recommendations for removal of decay

A new American Dental Association (ADA) clinical practice guideline suggests conservative methods to treat tooth decay in primary and permanent teeth could lead to better outcomes when used with common restorative materials like fillings or caps. An expert panel of dentists developed the first-ever guideline on this topic after extensive review of approximately 300 published studies.

The guideline, published in the July issue of *The Journal of the American Dental Association*, contains 16 recommendations regarding treatment of moderate and advanced tooth decay in primary and permanent teeth that have not received endodontic treatment, such as a root canal. It indicates conservative carious tissue removal (CTR) — in which a dentist removes infected tissue while preserving as much of the original tooth structure as possible — is less likely to result in adverse outcomes like nerve exposure or a failed filling.

The recommendations also identify selective CTR as an effective treatment option in most cases of moderate or advanced decay in primary and permanent teeth. This method involves remov-



(Photo/Nachtbold, Wikimedia Commons)

ing most, but not all, of the decayed tissue before sealing the tooth with a filling or cap. The bacteria left behind under the new filling or cap no longer has what it needs to multiply, which stops tooth decay.

Additionally, the guideline affirms the efficacy of the most common restorative materials for treating moderate or advanced tooth decay, such as tooth-colored fillings, silver-colored fillings

(amalgam) or preformed caps in children. It suggests specific materials for primary and permanent teeth depending on the extent of the decay.

Lead author Vineet Dhar, BDS, MDS, PhD, is clinical professor and chair of orthodontics and pediatric dentistry at the University of Maryland School of Dentistry and a member of the ADA Council on Scientific Affairs. He said the recommendation encapsulates restorative

dentistry's two main objectives: maintaining healthy tooth structure and protecting the soft tissue inside the tooth.

"While research had already confirmed that selectively removing decayed tissue is an effective approach to treating early tooth decay, dentists needed an evidence-based guideline to provide them with a range of treatment choices for patients with moderate to advanced tooth decay," Dr. Dhar said. "These recommendations can now inform restorative care strategies in the U.S. and on a global level."

This is the ADA's second clinical practice guideline in a series on caries treatment. The new guideline was developed by the ADA Council on Scientific Affairs and the Clinical and Translation Research team within the ADA Science and Research Institute, which convened a panel of experts to review the best-available scientific evidence around treatments and materials.

The new restoration guideline and existing recommendations on non-restorative treatment for tooth decay can be found at ada.org/cariesguidelines.

(Source: American Dental Association)

Drs. Benzian and Niederman honored by IADR

The International Association for Dental Research (IADR) honored Habib Benzian, DDS, MScDPH, PhD, and Richard Niederman, DMD, with awards for their achievements in global oral health, presented during the opening ceremonies of the 101st General Session of the IADR on June 21, in Bogota, Colombia.

Dr. Benzian, research professor of epidemiology and health promotion at NYU Dentistry and co-director of the NYU Dentistry World Health Organization (WHO) Collaborating Center for Quality Improvement and Evidence-based Dentistry, is the recipient of the IADR Distinguished Scientist John Greenspan Global Oral Health Research Award. The award, one of the 17 IADR Distinguished Scientist Awards, is one of the highest honors bestowed by IADR and is named for the late IADR and AADOCR Past President John Greenspan.

Benzian is a leader in global health,



Drs. Habib Benzian and Richard Niederman.
(Photos/Provided by NYU Dentistry)

policy and advocacy, who focuses on translating science into policy and actionable interventions to improve global oral health. He is a senior adviser to the WHO Global Oral Health Program and collaborates in several areas on global and regional levels. He is an invited expert member of the WHO/UNESCO Tech-

nical Advisory Group on COVID-19 and Education, a member of the Technical Expert Group developing Global Standards for Health Promotion in Schools, a member of the WHO informal working group on health promotion and a member of the oral health research group of the Global Burden of Disease project.

Benzian was a co-author of the *Lancet* Series on Oral Health, a two-part series published in "The Lancet" in 2019, and a co-editor of the WHO's first-ever Global Oral Health Status Report, launched in November 2022. He is also a member and working group lead of the *Lancet* Commission on Oral Health.

Dr. Niederman, professor of epidemiology and health promotion at NYU Dentistry, is the recipient of the 2023 IADR E.W. Borrow Memorial Award, which recognizes research in oral health prevention for children, with a priority for caries prevention where fluoride in dif-

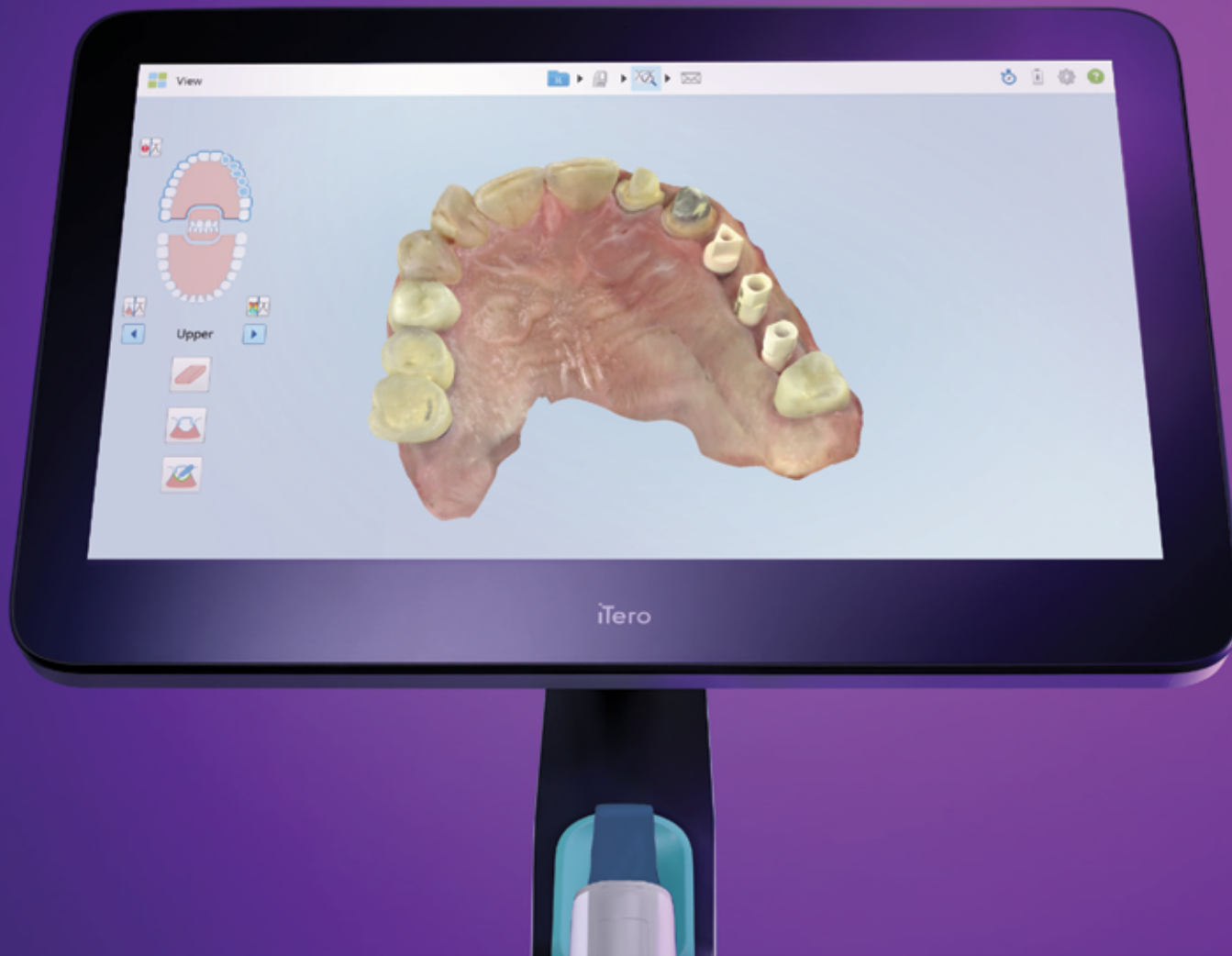
ferent formats is utilized. Niederman's research focuses on generating evidence for interventions to prevent oral diseases, promote oral health and reduce disparities, particularly in children and underserved communities. He has pioneered some of the largest school- and community-based oral health programs in the U.S., focusing on evidence-based and cost-effective fluoride applications.

Niederman founded NYU Dentistry's WHO Collaborating Center for Quality Improvement and Evidence-based Dentistry in 2016. The WHO designation recognizes NYU Dentistry's expertise and commitment to evidence-based dentistry and provides the framework for developing, monitoring and disseminating novel approaches to oral health education, prevention and disease control in the Americas and globally.

(Source: NYU Dentistry)

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³ Data on file at Align Technology, as of June 30, 2022.



New innovations to expand your vision

By Designs for Vision Staff

Designs for Vision has launched several game-changing loupe and headlight designs to change for the better the way you work.

One of Designs for Vision's several new products lines includes the new patented Panoramic Field Loupes (US pat. 8928975B2).

The Panoramic Loupes represent the most significant advancement in telescope design in more than 100 years, according to the company. The viewable areas are twice as large as prismatic expanded field designed loupes and up to five times greater than Galilean loupes.

Panoramic Field loupes provide unprecedented field of view, clarity, definition and color, the company asserts.

Are you experiencing back or neck pain or want to prevent musculoskeletal injuries by improving your posture? The Infinity VUE Loupes by Designs for Vision may be your answer.

The Infinity VUE allows you to keep your head in a neutral position while the loupe does the bending for you. The In-

For more information

To learn more about any of Designs for Vision's products, stop by booth No. 320 during the Florida Dental Convention or contact the company to arrange a visit in your office by calling (800) 345-4009 or emailing info@dvimail.com.

finity VUE is available in 3.0x, 3.5x and 4.5x magnifications.

Designs has also added the Micro 3.0EF to the award-winning Micro Series Loupes. The Micro 3.0EF has a field of view of 100 mm and weighs less than 70 grams.

The Micro Series includes REALITY 5 Star rated Micro 3.5EF Scopes and Micro 4.5EF Scopes, utilizing a revolutionary optical design that reduces the size of the prismatic telescope by 50 percent and reduces the weight by 40 percent while providing an expanded field view of the oral cavity.

Designs for Vision is also introducing patented (US pat. 8,851,709 & RE46,463) hands-free infrared technology with the WireLess IR HDi and the Micro IR HDi headlights. The patented IR feature allows you to operate the headlight



Infinity VUE loupes, one of many innovations from Designs for Vision, are designed to help improve posture. (Photo/Provided by Designs for Vision)

without touching the system.

The IR headlights use a built-in infrared signal to allow you to turn the light on or off simply and safely. Onboard biometrics sense the position of the headlight to filter out unintended signals while working.

You can see the Visible Difference yourself by visiting Designs for Vision's booth, No. 320, at the Florida Dental Convention, or you can contact the company to arrange a visit in your office by calling (800) 345-4009 or emailing info@dvimail.com.

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‘This brush cleans where normal bristles do not reach’

By Curaden Staff

A brush that cleans where others do not? An expert in prophylaxis and periodontics, Dr. Ulrich P. Saxer is the co-designer of a brush that does just that. Curaprox's Hydrosonic pro cleans powerfully, efficiently and gently, thanks to a unique interplay of sonic technology and hydrodynamics.

“When designing the brush, it was a very conscious decision to opt for sonic technology. The bristles of the Hydrosonic pro oscillate up and down, which is also the recommended technique for using a manual brush. The Hydrosonic pro cleans effectively but does so in a way that is atraumatic, which is ideal for people with sensitive teeth or gingivae,” Saxer noted.

“Many people brush in a way that causes damage to teeth and gingivae. Using the wrong brush or brushing technique can cause abrasions. Cervical lesions at the cemento-enamel interface are a particular problem, as is sensitivity of the tooth necks. These issues go hand in hand with gingival recession or injury. Using a high-quality sonic toothbrush is a good way to prevent these issues,” he continued.

Reaching the most inaccessible places

“Most people clean an entire row of teeth with an aggressive backwards and forwards movement. The shape of the Hydrosonic pro's brush heads ensures the opposite: each tooth has to be cleaned individually. The rounded part of the brush head cleans the buccal, lingual and occlusal surfaces with high precision, tooth by tooth.

“The pointed part of the drop-shaped head reaches the interdental areas better than any manual brush. The angulation of the brush head is perfect for reaching the most inaccessible and critical places. In other words, the brush heads are ideal for patients with crowns, bridges, orthodontic appliances or implants,” Saxer explained.

“The single tuft brush allows very precise cleaning of the tooth where plaque primarily accumulates — namely at the gingival margin, on fixed appliances, in other angled narrow tooth positions and interdentally. Many dental professionals clean exclusively with this method, running the brush along the gingivae on all teeth. This method has been proved scientifically to offer the best cleaning effect.”



Curaprox's Hydrosonic is a high-quality sonic toothbrush that effectively and gently cleans the teeth and can reach the most inaccessible places.
(Photos/Provided by Curaden)



Dr. Ulrich P. Saxer, the co-designer of Curaprox's Hydrosonic pro sonic toothbrush.

A cleaning concert for teeth and gingivae

“In addition to the purely mechanical cleaning, there is an extra hydrodynamic cleaning effect. Thanks to vortices of toothpaste, water and saliva, this brush cleans where normal bristles do not reach. This effect increases with the frequency selected,” Saxer said.

“The filaments of each brush head vary in thickness, length and hardness. Their interaction and the transmitted frequency, which is not the same at ev-

ery point of the brush head, is finely tuned. The inner bristles are shorter, so they swing freely, keeping the brush head a certain distance from the tooth and supporting the hydrodynamic effect. The outer bristles touch the tooth and are designed to clean narrow spaces, prevent discoloration and eliminate calculus growth.

“Not every manufacturer achieves the hydrodynamic effect well, and many are not even aware of it. The interplay of bristles and their arrangement must be

For more information

Visit Curaden at curaden.us to find out more about the Hydrosonic pro brush or scan the QR code below.



very precise. Their interaction and the transmitted frequency, which is not the same at every point on the brush base, produces a harmonious ‘cleaning concert’ for teeth and gingivae. The result is Curaprox's very own symphony — accepted, atraumatic and effective,” Saxer concluded.

JIZAI files designed to be smooth, flexible and simple

The JIZAI System is the newest addition to the MANI endodontic product line. Each file is fully heat treated, highly flexible and designed to cut smoothly and efficiently.

The cross-sectional shape and flute pitch help prevent overinstrumentation and file binding. Each file can be pre-bent and will hold its shape.

The Japan-manufactured files are available in individual ISO-sized packs of three files or as part of a standard kit, which includes a sequence of 25.04, 25.06, and 35.04 files designed to instrument straight and slightly curved canals.

Three foundational concepts form the basis of JIZAI.

- Smooth designs provide an optimal cutting experience. Radial lands help prevent overinstrumentation and excessive engagement on the root canal



Jizai files. (Photo/Provided by MANI)

walls. The off-center file axis is uniquely designed to provide a larger “pocket” space for debris removal during instrumentation.

- Simple describes how files shape severely curved canals with ease through procedural-based sequencing. Tip size and taper are etched on the shank.

- Flexible respects the original anatomy. The heat treatment that each JIZAI undergoes results in a significantly lower risk of ledging, transportation, and perforation.

About MANI

Established in 1956 in Takenzawa, Japan (north of Tokyo), by Masao Matsutani, MANI is a manufacturer of medical devices and dental instruments.

Its singular goal is “Contributing to people’s happiness in the world through developing, manufacturing and delivering the product that can help doctors and patients.”

MANI products are safe, high-quality medical devices that satisfy the needs of doctors and patients. The products have also passed the strict standards of various countries around the world.

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