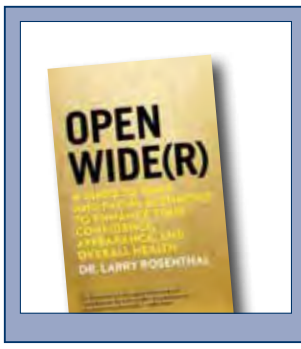
Greater New York Dental Meeting • Nov. 26–29, 2017

Vol. 12, No. 1

today

NOV. 26 2017



The author is in the building

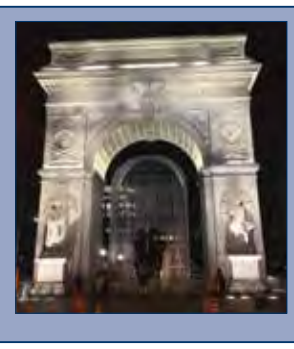
Dr. Larry Rosenthal heads to the exhibit hall this afternoon to sign copies of his book.

»page 12

The solution to your disinfection needs

How you can save money on handpieces and also be sure you're following CDC guidelines.

»page 36



Head out and see New York City

Find art everywhere, take a trip to the top of the world and rent a bike to hit the town.

»page 52

A social-media photo backdrop from the 2016 Greater New York Dental Meeting. (Photo/*today* Staff file photo)

Just the beginning

By Robert Selleck, *today* Staff

Welcome to the city that never sleeps and the dental conference exhibit hall that never seems to slow down. At the outset of these next four days, the opportunities for visiting with exhibitors at the Greater New York Dental Meeting might feel as endless as the aisles are long. But in the same way attendees ultimately arrive at the end of an aisle, 5 p.m. Wednesday will likely arrive before you know it.

That's why the Crystal Palace of the Jacob K. Javits Convention Center on this opening day of exhibits fills with attendees shoulder to shoulder at the exhibit hall entrances in anticipation of the 9:30 a.m. opening. If New York City is the center of the universe, then certainly for these next four days, the

»see BEGINNING, page 4

AD

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BEGINNING *from page 1*

GNYDM is at the center of dentistry.

Exhibit hall space was sold out long before today's opening, enabling attendees for the next four days to explore more than 1,600 booths occupied by more than 700 companies from across the globe.

Exhibitors are ready to provide straight-from-the-source insights on some of the industry's most innovative advancements in patient care and dental-practice efficiency and success. Reflecting recent-years' attendance trends, this year's final attendance roster is expecting to show more than 150 countries represented.

In acknowledgement of this international pull, the GNYDM participates in the U.S. Dept. of Commerce International Buyer Program, which supports international purchasing of products exported from the United States. Among the benefits of this arrangement is that onsite multilingual personnel are available to help simplify and expedite international purchases of dental products and equipment.

This, in turn, has translated into an increase in exhibitors who specialize in overseas shipping and international sales.

Of course, the international flavor of the meeting isn't limited to the exhibit hall. Many of the meeting's workshops, seminars, panel discussions and other sessions are being offered in Spanish, French, Portuguese, Russian, Korean or Chinese.

Continuing the global focus, returning to the meeting this year is the World Implant Expo, which is presented in partnership with the American Academy of Implant Dentistry, the International Congress of Implantologists and the European Academy of Osseonintergration. Also returning is the Global Orthodontic Conference as well as the Dental Laboratory Technician four-day event.

New additions to the meeting's sector-focused offerings include a full-day Pediatric Dentistry Summit, an Airway Health Summit and the Dental "Healthcare" Conference.

It all adds up to a gathering of some of the world's most knowledgeable and forward-thinking dental professionals coming together to share ideas and innovations against the backdrop of one of the world's most dynamic and awe-inspiring cities. And, for today anyway, it's still just the beginning.

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today About the Publisher

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New generation of CAD/CAM materials represents synergy of ceramics and composites

HC Block/Disk designed to minimize flaws attributed to esthetic and high-strength ceramics

By Shofu Dental Staff

■ Until recently, a clinician's decision was quite straightforward when selecting CAD/CAM restorations, as typically, tougher materials were associated with poor esthetics and excellent esthetics were associated with low strength.

Today, CAD/CAM crowns, bridges, inlays/onlays and veneers can be created with a multitude of materials, including ceramics (esthetic ceramics, high-strength ceramics, hybrid ceramics and zirconia), CAD/CAM composites, fiber-reinforced resins, polymers and metals.

Ceramics are by far the most common materials used to fabricate CAD/CAM restorations. In the pioneering years of CAD/CAM technology, feldspathic porcelain was the restorative material of choice for many clinicians as this material best matched the desired physical properties — excellent translucency and moderate strength.

While esthetic, porcelain is brittle with a low fracture toughness and a high proneness to failure in the presence of flaws.

To overcome this problem. new materials with greater strength were pursued.

First, leucite-reinforced then lithium-disilicate glass ceramics, both of which demonstrate higher flexural strength than porcelain. Tough and esthetic, when these materials are adequately prepped, handled and bonded they demonstrate a good success rate.

However, when the margins are thin, a bond to the underlying tooth is deficient or an adjustment is needed, the failure rate of restorations with high-strength ceramics tends to dramatically increase.

In response to the limitations of high-strength ceramics, new polymer-based resin-composite materials such as HC Block/Disk (Shofu) have been developed. This new category of materials, referred to as CAD/CAM composites and/or hybrid ceramics, represents the synergy of ceramics and composites with their respective beneficial mechanical properties.

Intended to provide clinicians with the capability of restoring teeth in one appointment, HC Block/Disk represents a generation of new CAD/CAM composites, according to Shofu, the company behind the product.

It features a unique nanostructure, polymerization mode, matrix composition, augmented filler content and a highly homogenous formulation designed to minimize flaws attributed to esthetic and high-strength ceramics.

Composed of 61-percent zirconium silicate embedded in a high-temperature/high-pressure polymer matrix, a densely packed nanofiller of HC Block/Disk forms a skeleton that uniformly absorbs masticatory forces and promotes resistance to breakdown phenomena.

When compared to other CAD/CAM materials, HC Block/Disk manifests better machinability in terms of milling time, damage tolerance, wear of CAD/CAM instruments and the ability to be milled in a very low thickness, according to the company.

The high flexural strength of 191 MPa and Vickers hardness of 66 Hv0.2 make HC Block/Disk a good candidate for posterior restorations, implant-supported cases and long-term provisionals.

Additionally, the hardness of the material also demonstrates values closer to dentin (ca. 65 Hv0.2), and thus no excessive antagonist wear can be observed, which is a concern when using conventional ceramics.

Repairs of porcelain, zirconia and other ceramic materials have proven to be challenging. However, with HC Block/Disk, restorations can successfully be adjusted chairside with either a direct resin composite such as Beautifil Flow Plus (Shofu) or an indirect composite such as Ceramage (Shofu).

Full-contour HC Block/Disk crown (Shofu) with a short implant (Bicon). Restoration was characterized with Lite Art Stains (Shofu). (Photo/Courtesy of Muneki Hirayama, DMD, Boston, Mass.)

Here in New York

To learn more about the HC Block/Disk, stop by the Shofu booth, No. 4408.

'When compared to other CAD/CAM materials, HC Block/Disk manifests better machinability in terms of milling time, damage tolerance, wear of CAD/CAM instruments and the ability to be milled in a very low thickness'

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Mario Roccuzzo, DDS
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John Russo, DDS, MHS
A Decision Tree for Block Grafting

Devorah Schwartz-Arad, DMD, PhD
Recovering the Maxilla & the Lip Support Advantages of Combined Therapy

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Meisinger since 1888

Henry Schein is showcasing digital solutions here at the Greater New York Dental Meeting

By Henry Schein Dental Staff

■ Henry Schein Dental is featuing a lineup of solutions and educational programming at its booth, No. 4225. Attendees can expect to learn about Henry Schein ConnectDental digital solutions, Merchandise/Exclusives, Henry Schein Practice Solutions, Office Design, ProRepair and Glove Club.

In addition, Team Schein Members will engage in discussions with industry leaders via #ScheinChats, Henry Schein's signature social media series available on Facebook Live.

Throughout the show, Henry Schein will showcase digital technology solutions, including scanners, milling units, 3-D printers, abutment solutions and the latest materials from the company's digital platform, Henry Schein ConnectDental.

Members of the Henry Schein Dental leadership team, as well as representatives from 3M, 3Shape, ACTEON, Dentsply Sirona, DEXIS, FORMLABS, i-CAT and Planmeca, will be available to answer questions, suggest customized solutions and demonstrate new products, such as the 3M™ True Definition Mobile Scanner, 3Shape TRIOS® 3 Wireless Intraoral Scanner, Planmeca Emerald™ next-gen intraoral scanner, Planmeca ProMax® 3D LE and more.

The company's exclusive products will also be demonstrated, including The Wand® from Wand Dental, restorative solutions from Clinician's Choice® Dental Products and the Precise®SHP and LTM Lasers by the CAO Group.

Here in New York

Stop by the Henry Schein Dental booth, No. 4225, during the meeting for product demonstrations and a series of in-booth presentations.

Supporting education

Education, integration and support are the cornerstone of Henry Schein's commitment to helping customers adopt the digital workflow with confidence and succeed in their practice. Throughout the meeting, Henry Schein and its supplier partners will host a series of in-booth presentations and demonstrations.

Today

- *1 p.m.:* Schein "digiTALK" panel discussion featuring Dentsply Sirona
- *3 p.m.:* A 2017 Guide to CAD/CAM and Chairside Milling (2 CE credit take home)

Monday

- *11 a.m.:* 3Shape Trios Wireless, Live
- *1 p.m.:* Schein digiTALK panel discussion featuring Planmeca
- *3 p.m.:* Streamlining the Implant and Ortho Workflow (2 C.E. credit take home)

Tuesday

- *11 a.m.:* A 2017 Guide to Digital Impressions (2 CE credit take home)
- *1 p.m.:* Schein digiTALK panel discussion featuring i-CAT and Dexis
- *3 p.m.:* Does Brand Matter in Dentistry?

Wednesday

- *11 a.m.:* Marketing Myths and Realities for Dentists

Thought leader conversations

The Henry Schein Media Studio will serve as the broadcast center, featuring #ScheinChats, the company's signature social media series available on Facebook Live that will offer conversations offering perspectives from oral health professionals, nonprofits and industry-leading supplier partners. This includes a discussion between Stanley M. Bergman, chairman and chief executive officer of Henry Schein, and Tanya Sue Maestas, president of the American Student Dental Association, who will share their perspectives on the advent of technology-enhanced learning in dental schools. Visit Henry Schein Dental's Facebook page to watch the livestream: *www.facebook.com/HenryScheinDental*.

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