

4Q, 2025

Flossing

ALL NEW FLOSSING



META BIOMED
35th
Anniversary

EVENTS
Q4,2025

CeraSeal
Clinical Cases
Dr.Filippo Cardinali

Clinical
Evidence
Highlights

Prof.Talal Al-Nahlawi
Dr.Vishal Ghandi

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4th Style Italiano International Congress in Greece



During the three-day of 4th Style Italiano Congress in Greece, the Meta Biomed Europe team participated as a Gold Sponsor. They showcased bioceramic sealer, “CeraSeal” to many dental professionals. They supported Dr. Filippo Cardinali’s lecture and hands-on workshop. The workshop, titled “Obturation for patient centered endodontic outcomes: improve your skill and outcomes with Warm Gutta Percha with bioceramic sealer,” was sold out early during registration.



The morning lecture, “Obturation with Bioceramics,” took place on the second day of the congress with 50 participants. Dr. Cardinali shared the latest clinical data and research papers to explain the advantages of the CHC (Cold Hydraulic Condensation) technique. He demonstrated the correct use of CeraSeal and explained its clinical benefits based on various successful cases.

After the sessions, lots of participants visited the Meta Biomed booth for meeting and detailed product inquiries. There was also significant attention on CeraPutty, bioceramic putty material. Even though it has not been officially launched yet, many participants showed high interest in its excellent sealing ability and stability. They sincerely thank everyone who visited the Meta Biomed booth and showed great interest in Meta Biomed's products during SIE Greece. 🦷



36th Annual Scientific Conference by the South East Asia Association for Dental Education (SEAADE) in Taiwan



36th Annual Scientific Conference by the SEAADE was held from November 7 to 9, where Meta Biomed's valued partner, Unigliffe Biomed, participated. During the event, Unigliffe Biomed highlighted Meta Biomed's bioceramic products, CeraSeal and CeraPutty, effectively showcasing clinical performance and application benefits to many attendees.

CeraPutty launching Event in Taiwan



The first CeraPutty launching event was held on the second day of the SEAADE conference. Dr. Chia-Hsin Chen and Dr. Zhao-Lin Chen led the session, delivering lectures that covered the CeraPutty's characteristics, clinical cases, and how to use CeraPutty effectively in the clinic. Participants had the opportunity to experience both the putty-type CeraPutty and the bioceramic sealer CeraSeal during the hands-on course. They were particularly interested in CeraPutty due to its biocompatibility and versatile clinical applicability. Through an active Q&A session, participants also gained practical tips on how to use the product efficiently in real clinical settings.



This Launching event successfully introduced Meta Biomed's CeraSeal & CeraPutty to Taiwan and generated a very positive response on-site. A big round of applause to unigliffe biomed for their passion, and we look forward to many more exciting events to come. 🍀

Taiwan Endodontic Seminar in Kaohsiung



One-day Endo Seminar & Hands-on Course was successfully held in Kaohsiung, hosted by Unigliffe Biomed, an important partner of Meta Biomed. Under the theme “From smooth and precise machining to comprehensive practical applications of bioceramic sealing for minimally invasive root canals,” the event provided local dental professionals with practical clinical expertise. The morning session, led by Dr. Liu, covered the “A to Z” of endodontic filing. The lecture focused on selecting the right files and techniques for safe and precise canal preparation. During the 90-minute hands-on session, participants practiced effective filing and irrigation using Meta Biomed’s Aurum Files, EQ-S, and EQ-M, along with EDTA solutions such as MD-Cleanser and MD-ChelCream.



The afternoon session featured Dr. Yu-Hua Kuo delivered the Single-Cone Technique using CeraSeal. In the following hands-on session, attendees practiced the Single-Cone Technique using CeraSeal and GP with the support of EQ-V and EQ-Condenser. Dr. Kuo also highlighted the clinical advantages of CeraPutty for apexification cases. Through this one-day seminar, participants mastered the process from canal irrigation to obturation, including effective clinical know-how for using CeraSeal.



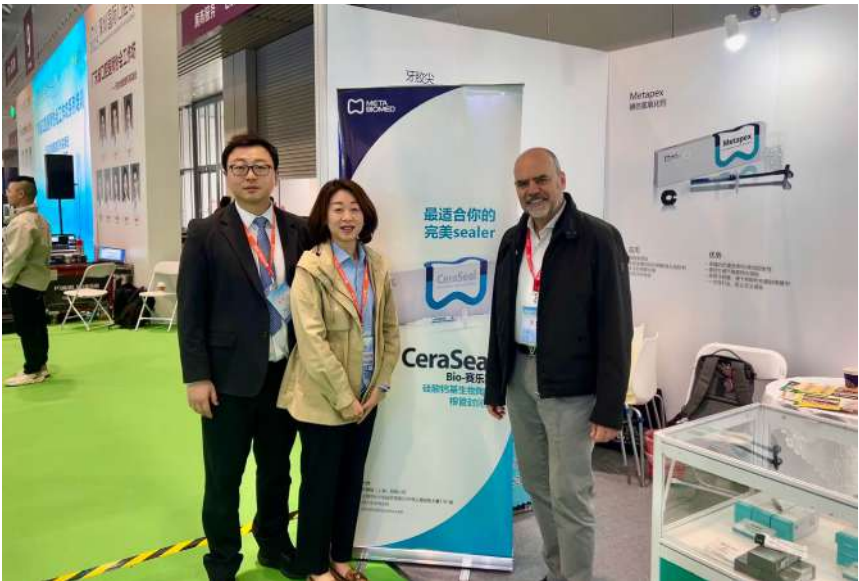
The seminar was a great success, showcasing the strong clinical interest in Meta Biomed’s bioceramic solutions in Taiwan. We sincerely appreciate our trusted Taiwan partner, Unigliffe Biomed, for their passion in hosting this event, and we thank all the participants for joining us! 🍵

World Stomatological Organization (WSO) International Conference in China



Meta Biomed China participated as an official sponsor of the World Stomatological Organization (WSO) International Conference & Conferment Ceremony, held in Shenzhen, China, from December 3 to 5, 2025. The conference was the second official meeting organized by the newly established international dental organization, WSO. Its first conference took place in Uzbekistan in October, and the Shenzhen meeting marked the organization’s expansion into the Asian region. The event was held at the Shenzhen World Exhibition & Convention Center alongside the Shenzhen International Dental High-Tech Expo 2025 (SDHE 2025).

During the event, Dr. Filippo, a Key Opinion Leader of Meta Biomed, was invited by the WSO Organizing Committee as a speaker. He delivered a lecture titled “Obturation for Patient-Centered Endodontics Outcomes: Cold Hydraulic Condensation with Bioceramic Sealer.” The lecture focused on contemporary obturation approaches using bioceramic sealers and patient-centered endodontic outcomes.



Meta Biomed China also operated an exhibition booth during the event. A wide range of Meta Biomed dental products was presented, with particular attention given to the bioceramic sealer, CeraSeal. CeraSeal has received NMPA approval in China and is currently being actively distributed in the local market. The event provided an opportunity for Meta Biomed China to strengthen its brand visibility and academic credibility in the local market and to reaffirm its presence in the rapidly growing Chinese dental industry.

XVIII International Endodontics Congress in Guatemala



Meta Biomed US successfully participated in the XVIII International Endodontics Congress of the Guatemalan Endodontics Academy. This large-scale international event attracted about 3,000 attendees. At the congress, They showed its top product lineup and held many meetings with dental professionals in the Latin American market. Their local partner, IMFHOSA, ran the exhibition booth and focused on promoting Meta Biomed's products. One of the highlights was the special lecture by Dr. Sergio Curiel (President of the Mexican Dental Association). He shared his practical know-how on 'Traumatic Dental Injuries'.

Also, a large number of people also attended Dr. Jenner Argueta's workshop session. He taught the "Clinical applications of bioceramic sealers." They originally planned for 12 people, but it was over-capacity with about 35 doctors because of the high level of interest. The participants tried CeraSeal themselves and gained practical knowledge through an active Q&A session. Meta Biomed US is also preparing for diverse activities. Don't miss out on their next steps! Keep Moving, Meta US! 🐾



The Endo Master Bioceramic Beyond Limits in Romania



Meta Biomed Europe and our trusted Romanian partner, Medident, successfully held "The Endo Master Bioceramic Beyond Limits" in Brasov on Saturday, November 29, 2025. This event was very significant because it was our first independent event held in a regional city where Medident is located. The one-day seminar consisted of a morning lecture and a hands-on workshop with CeraSeal, Adseal, EQ-V, and EQ-S. About 15 participants tried CeraSeal themselves during the hands-on course and asked many questions about its clinical use. Starting with this success, Meta Biomed Europe will expand its presence across Romania next year through more seminars and local activities. 🐾

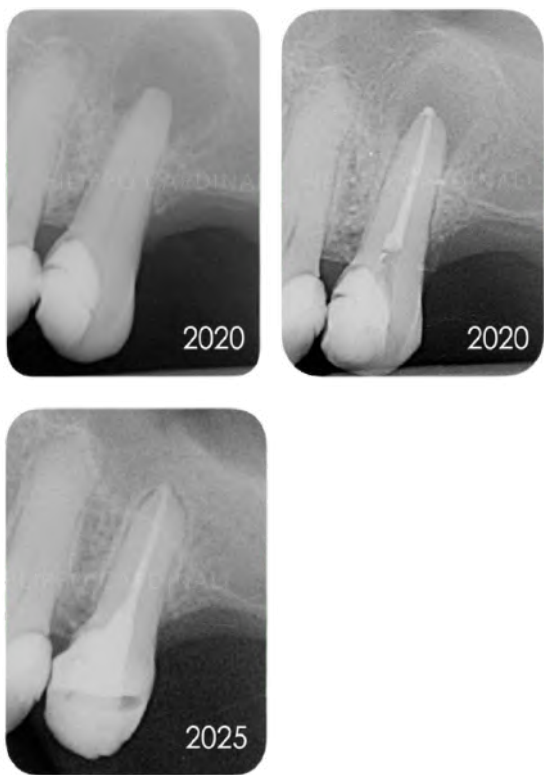
CeraSeal Clinical Cases

Courtesy of Dr.Filippo Cardinali(Italy)



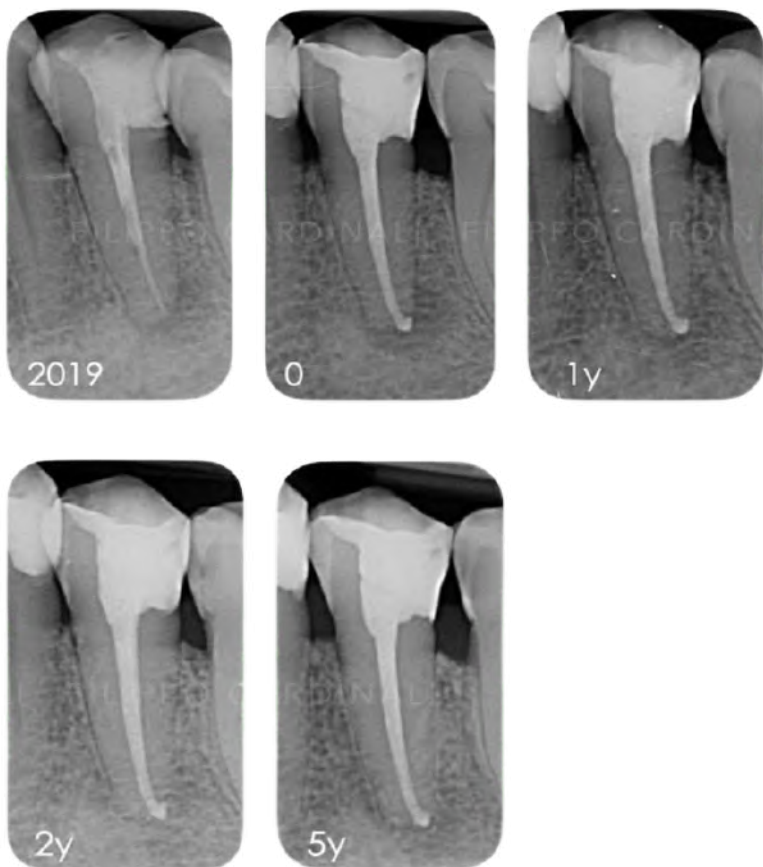
4.5: Lateral Lesion - Overfilling Lateral Canal- 6 years recall

Patient was refereed for the retreatment of 4.5 with lesion in the apico-mesial part of the root.. After a deep cleaning the canal was obturated in a Single-Visit using CeraSeal bioceramic sealer with the Cold Hydraulic Condensation technique. Thanks to a good shaping and a good cone fit the overfilling was very well controlled at foramen level, but it's impossible control the overfilling from lateral canal, as a lateral lesions is always concentric to the P.O.E. of a lateral canal. The recall at 6 year shows the complete healing of the big lateral lesion with no resorption of the overfilled bioceramic sealer.🦷



2.5: Big Lesion - CHC & CeraSeal - 5 years recall

Patient was referred to my observation complaining for swelling and pain in the second quadrant. The radiographic investigation reveals the presence of a big lesion in the tooth 2.5 that has mobility 2 and is tender to percussion and palpation at the clinical examination.The necrotic tooth was accessed to favor the drainage of the essudate and left open; after 2 days the complete shaping was followed by a deep cleaning of the canal that was dressed with calcium hydroxide. The patient didn't show after 4 weeks and came back after 8 weeks to complete the endodontic treatment; the tooth was obturated using CeraSeal bioceramic sealer with the Cold Hydraulic Condensation technique. Thanks to a good cone fit the overfilling was acceptable considering the big size of the foramen. The recall at 5 year shows the complete healing of the big lesion with no resorption of the overfilled bioceramic sealer.🦷



3.5 Retreatment - Lesion - Big Foramen - CHC & CeraSeal - 5 years recall

Patient was refereed for the retreatment of a symptomatic 3.5 with periapical lesion.

After the complete desobturation the canal was shaped and deeply cleaned and the canal was dressed with Calcium Hydroxide. After 2 weeks the canal was obturated using CeraSeal bioceramic sealer with the Cold Hydraulic Condensation technique. Thanks to a good cone fit the overfilling was well controlled at foramen level, but it's impossible control the overfilling from lateral canal, as a lateral lesions is always concentric to the P.O.E. of a lateral canal. The recall at 5 years shows a stable and complete healing of the lesion, no sealer resorption.....it's all about outcome!!!!🦷



Dr. Filippo Cardinali DDS (Italy)

Graduated summa cum laude in Dentistry in 1992. Active Member and Vice-President of the Italian Society of Endodontics. Certified Member of the European Society of Endodontology. Associate Member American Association of Endodontists. Gold Member of Style italiano Endodontics. Private practice, concentrating mainly in Endodontics and Restorative Dentistry, author of publications on journals of national and international sector, speaker at national and international congresses and workshops.

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Clinical Evidence Highlight: Bioceramic Solutions in Endodontic Microsurgery

A recent peer-reviewed case report by Talal Al-Nahlawi, Zohreh Moradipour, Hadi Assadian, published in Case Reports in Dentistry (Wiley), reported the successful endodontic microsurgical management of a highly complex pediatric case using Meta Biomed's bioceramic materials, CeraSeal and CeraPutty. The case involved a 10-year-old patient diagnosed with severe dens invaginatus, accompanied by pulp necrosis, chronic apical abscess, and extensive periapical bone loss. Due to the complex root anatomy and an immature apex, conventional orthograde root canal treatment was not considered a viable option.

Microsurgical precision enabled effective use of bioceramic materials

Endodontic microsurgery was performed under magnification, allowing precise lesion removal and thorough disinfection of the affected area. Following the surgical procedure, CeraSeal was used for canal obturation, while CeraPutty was applied as the retrograde filling material to achieve a reliable apical seal. According to the authors, these materials were selected over conventional MTA (Mineral Trioxide Aggregate) due to clinically relevant advantages, including improved handling, enhanced injectability, dimensional stability, and more efficient clinical application—features that are particularly beneficial in microsurgical settings where precision is critical.

Long-term healing achieved without grafting or membrane use

Both CeraSeal and CeraPutty release calcium ions that support mineralization and periapical healing, while demonstrating favorable adaptation to dentinal walls and reduced microleakage, as reported in previous scientific studies. Notably, no bone graft or barrier membrane was used during the procedure. Despite this, three-year clinical and radiographic follow-ups showed excellent outcomes, with CBCT confirming complete periapical healing and cortical bone regeneration. The treated tooth remained asymptomatic throughout the entire follow-up period, reinforcing the clinical reliability and long-term potential of Meta Biomed's bioceramic solutions in complex endodontic microsurgical applications.🔒

Related Publication

Microsurgical Intervention for Dens Invaginatus in an Immature Tooth: A Case Report With Long-Term Follow-Up

Talal Al-Nahlawi; Zohreh Moradipour; Hadi Assadian. Case Reports in Dentistry, Wiley, Volume 2025, Article ID 8216241, 12 pages

Link: <https://doi.org/10.1155/crid/8216241>



Prof. Talal Al-Nahlawi (Syria)

Leading endodontist and academic from Damascus, Syria. He earned his DDS, MSc, and PhD in endodontics from Damascus University. Currently teaches at several universities and founded the "Secrets of Successful Endodontic Practice" fellowship. Serves in key professional roles, including Head of the Scientific Committee of the Syrian Endodontic Society, Councilor of the Asian Pacific Endodontic Confederation (APEC), and founding member of the Arab Endodontic Society. Head of the Endodontic Department at Harmony Medical Group in the UAE.

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Clinical Evidence Highlight: Predictable Healing Through Advanced Bioceramic Technology

Fig 1. Pre-OP



This case beautifully highlights the power of precision endodontic retreatment supported by advanced bioceramic technology. A tooth presenting with extensive periapical rarefaction and disruption of the apical architecture was successfully managed through a conservative, non-surgical orthograde approach. Despite the severity of the initial pathology (Fig 1), predictable healing was achieved without surgical intervention, underscoring the effectiveness of contemporary non-surgical endodontic protocols.

The Pivotal Role of CeraPutty in Achieving a Reliable Apical Seal

Following meticulous chemomechanical disinfection and three dimensional obturation, CeraPutty bioceramic putty was placed orthogradely at the apical region. The material played a pivotal role in achieving predictable healing by providing an exceptional seal and promoting true biological repair. Its favorable handling characteristics allowed precise placement even in a compromised apical environment, highlighting the clinical reliability and regenerative potential of modern bioceramic materials.

Radiographic Evidence of Remarkable Healing at 1.5 Years

At the 1.5-year follow-up, postoperative radiographs revealed a dramatic transformation, with near-complete resolution of the extensive periapical pathology initially present. Substantial periapical bone regeneration with re-establishment of normal trabecular patterns was evident, indicating a highly favorable tissue response. The dense, well-adapted filling observed radiographically reflects both meticulous clinical execution and the regenerative capacity of CeraPutty bioceramic material. (Fig 2.) This case stands as a testament to conservative intervention, material science, and clinical expertise working together to restore long-term health and function. 🦷



Fig 2. Post-OP



Dr. Vishal Gandhi (India)

Founder and Director of JAL Microscopic Dental Clinic & RCT Hub, Ahmedabad's only ISO-certified endodontic center. Over a decade of experience in micro-endodontics. Globally recognized trainer and lecturer, having educated more than 1,000 dentists worldwide. Recipient of multiple international awards, including the "Saving the Natural Tooth World Championship" (IDS Germany 2023). Currently serves as a Key Opinion Leader for Meta Biomed and other leading global dental companies.

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One Dream, One Team!

META BIOMED 35th Anniversary



On October 18, META BIOMED celebrated its 35th anniversary at a university convention venue in Cheongju, South Korea, home to Meta Biomed. The event brought together approximately 400 participants, including Meta Biomed employees and their families, creating a warm and inclusive atmosphere that reflected the company’s people-centered culture. The gathering offered a meaningful moment to reflect on Meta Biomed’s 35-year journey and to share a collective vision for the future.



During the event, CEO Joanne Oh officially declared ‘Vision 2030,’ a strategic initiative to expand from dental materials and sutures into new business sectors based on material technology.

The ceremony began with congratulatory video messages sent by our clients from all over the world. Following this, the celebration kicked off with a special ceremony honoring our long-term employees, with everyone joining in to congratulate them.





The event continued with a vibrant festival for us and our families. The festive mood continued with the 'Mini Sports Game Zone,' featuring activities such as golf putting, car curling, and 'Touch by Touch.' We also organized a program where gifts were given for completing missions. Everyone joined in with great enthusiasm, enjoying a wonderful time together as one team.



During the lunch break, participants enjoyed a variety of food from food trucks and participated in the 'Radio Star' program. The 'Radio Star' session touched many hearts as we shared meaningful stories from our time at META BIOMED. Following the lunch break, the excitement reached a new level with the 'META'S GOT TALENT' show. Many of our staff members participated with singing, dancing, and various performances, where everyone had a great time together. The event reached its peak with a 'Lucky Draw,' where participants were thrilled to win exciting prizes.



This 35th anniversary was more than just a party; it was a day to unite as 'One Dream, One Team.' The passion shared on this day will be the engine that drives META BIOMED toward the new goals of Vision 2030. 





Upcoming Events Q1, 2026



JAN

17-19th

AEEDC 2026 in Dubai ✨



JAN

24th

SIE Campus project in London ✨



FEB

19-21th

CDS 2026 Midwinter meeting in Chicago ✨





WANTED!

New Idea & Clinical Case



We're All Ears for Your Big Ideas!
Share your brilliance with us and help shape FLOSSING by Meta Biomed! Your idea will be the next big thing in our upcoming editions.


Show your BEST Clinical Cases made by CeraSeal
It'd be lovely if we could share your BEST CeraSeal Cases with our tons of followers all around the world. Don't lock up the amazing cases you got in the drawer. Show it off!

For more inquiries: dental@meta-biomed.com

Stay connected with us!

Follow our SNS channels by scanning the QR code and be a part of our engaging conversations and exclusive updates.





is a newsletter made by Meta Biomed (Dental) in 2023, which means taking out various information and delivering it to you, as if you were flossing teeth. [Click to subscribe for Free.](#)

NOT JUST MTA

Real Bioceramic!

CeraPutty

CeraPutty is a ready-to-use premixed type of bioceramic putty for various uses with an amazing healing effect!





- Premixed type
- Bioactive Ingredients
- Fast setting time(2min)
- Economical packaging
- Anti-microbial effect
- Multi Purpose
 - Pulpotomy
 - Root resorption
 - Repair
 - Apexification
 - etc



HAPPY NEW YEAR

As we look back upon the year 2025,
We sincerely appreciate your continuous trust and support
for making this year one of the best ones yet.

Wishing you all that is merry and bright for the New Year ahead.
Thanks for subscribing *Flossing* !