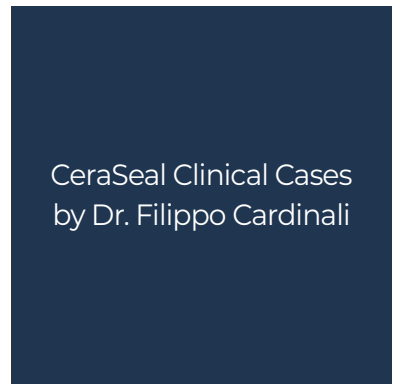


Flossing

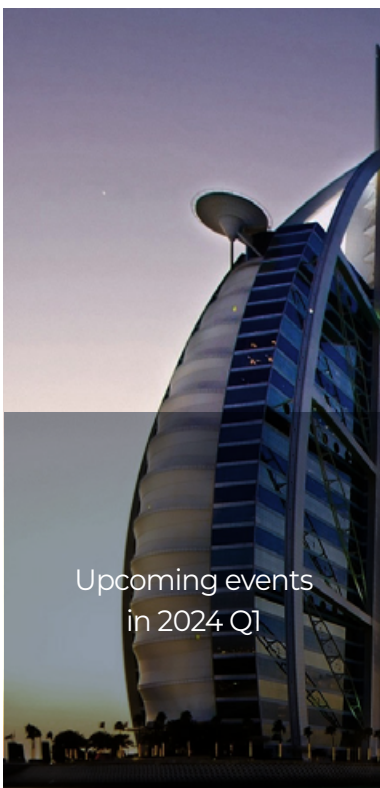
5 YEARS WITH CERASEAL



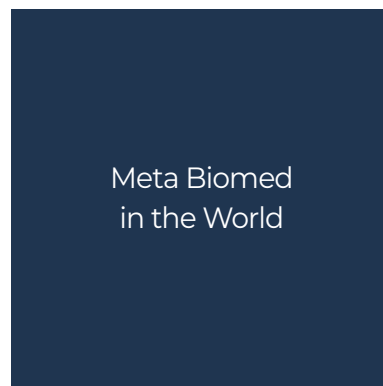
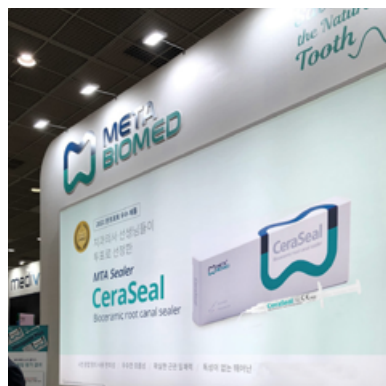
Saving the Natural Tooth Contest Awards Ceremony in IDS 2023



CeraSeal Clinical Cases by Dr. Filippo Cardinali



Upcoming events in 2024 Q1



Meta Biomed in the World



Awards Ceremony in IDS 2023



Meta Biomed, which has developed and produced various materials and devices to enhance patients' health and dentists' daily treatment since 1990, has held the awards ceremony for the Champion of the Saving the Natural Tooth Contest 2022 in IDS 2023. This 'Saving the Natural Tooth Contest' was held for the second time in 2022, following the first in 2020, to applaud and encourage dentists who put priority on saving natural teeth. The ten finalists were selected through a fierce preliminary round, and soon after, the champions, 2nd place, and 3rd place were determined by fair evaluation by five prominent and influential professors from around the world. The Champion has gotten ten grant dollars and round-trip air tickets to IDS for the Champion prizes. Dr. Vishal Gandhi, the winner of first place in the Saving the Natural Tooth Contest 2022, said, "I would like to thank first, the whole team of Meta Biomed, A legendary South Korean company in dentistry for having the best in fact biggest contest in the world of Endodontic, Saving the Natural Tooth Contest. A global Contest like this always motivates and pushes dentists to do their best and improve themselves on their personal standards." Meta Biomed will continue to celebrate and cheer doctors' dedications through meaningful and various events just like the 2 times of Saving the Natural Tooth Contest. 📌



Champion's CeraSeal Case Poster

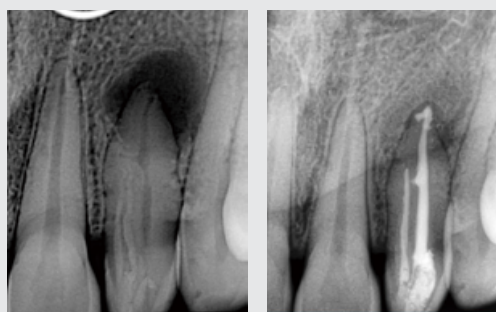
Dr. Vishal Gandhi

Jal Microscopic Dental Clinic & Rct Hub



CASE INTRODUCTION

A 43 years old female patient referred to my practice with the complaint of pain & swelling related to upper front side. Radiographic & Clinical examination revealed some UNUSUAL anatomy related to #22(FDI) with periapical radiolucency & palatal soft tissue swelling in relation to #22. Anatomy :Dens in Dente OEHLER'S TYPE-3A
 Diagnosis: Pulp Necrosis(no response to vitality test) & Acute Apical Abscess #22
 Treatment Plan: Non Surgical Root Canal Treatment #22 (maxillary left lateral incisor)

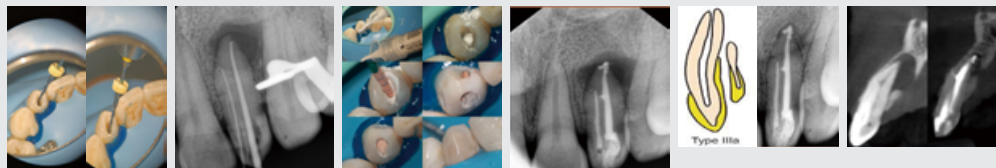


PREOPERATIVE

Pre op IOPAR #22 showing dens in dente -OEHLER'S type 3A & a huge periapical lesion

POSTOPERATIVE

8 months follow up showing a good healing in periapical region



STEP 1

Canals were shaped with Aurum blue rotary instruments.

STEP 2

Master cone check

STEP 3

Canal and dens obturated with CERASEAL Bioceramic sealer & gutta percha. Post OP Restoration done by COMPOSITE

STEP 4

Immediate Post Op IOPAR with a beautiful isthmus

STEP 5

Oehler's type 3A & obturated identical anatomy

STEP 6

8 Months CBCT Follow up

CLINICAL PROCEDURE WITH MATERIALS

The Root canal treatment for this complex tooth successfully done under dental microscope. In the first visit, with the aid of Pre op CBCT & Microscope, canals were located. Pus was drained and shaping were done with Aurum blue meta biomed rotary files. Irrigation was done using 5.25% sodium hypochlorite, activated with EQ-S meta biomed & CaOH(metapaste plus) dressing was given. In the second visit, 3D CLEANING protocol-intracanal heating of 5.25% sodium hypochlorite and activation with EQ S red tip & 17% EDTA for smear layer removal. On getting dry canal, obturation was done using CERASEAL Bioceramic sealer & Gutta Percha cones.

CASE DISCUSSION AND CONCLUSION

Successful treatment for this type of complex (for eg. DENS IN DENTE) cases are always challenging. Incorporating new technologies (CBCT, Dental Microscope, bioceramic sealer) facilitate this complex treatment. Keeping in mind, the main aim of Endodontic treatment is, to stop the spread of lesion of endodontic origin and provide environment for faster healing, one can achieve maximum canal disinfection with 3d cleaning protocol and highest obturation standard possible with Ceraseal 3d Obturation. The use of ceraseal Bioceramic sealer in infected cases with periapical lesion has lots of advantages like antimicrobial effect, biocompatibility, best possible apical seal & bioactivity which promotes osteoblastic differentiation to achieve better healing and faster tissue Repair. Don't forget importance should be given to knowledge of Endodontic Anatomy.

META BIOMED

in the World



In Dubai



Meta Biomed participated in AEEDC 2023 Dubai in February. In the show, Dr. Filippo Cardinali from Italy, and Dr. Talal Al-Nahlawi from Syria have given the perfect CeraSeal lectures 2 times each. Many doctors and students gathered in the booth for the lectures. The CeraSeal syringe, which was enlarged to a large size, also attracted many people's attention.



In Lebanon



In Vietnam



Dr. Jenner Argueta has flown to Lebanon from Guatemala to deliver a lecture at the Lebanese Society of Endodontology. All seats for Hands-on have sold out! Saad Medical Trading, one of our partners has run the booth there. CeraSeal got so much attention too.



One of our great partners, Vietdang and Meta Biomed have collaborated in Vietnam! Around 130 people have registered and gathered to listen to Dr. Filippo Cardinali's lecture, and 30 people have participated in the Hands-on Course. The lecture and HOC were both perfectly interpreted by Dr. Pierre Trọng Hiếu from Vietnam.

META BIOMED *in the World*

I♥ENDO In Poland

Konferencja z miłości do endodoncji



People who love Endo have joined together in Poland! Collaborating with the Meta Europe Team, and the amazing lecture & HOC of Dr. Filippo Cardinali. Perfect preparation from Poldent, Let's give it up for them! 🐾

ASIAN PACIFIC ENDODONTIC CONFEDERATION 1985 A P E C In Taiwan



The 22nd Scientific Congress of APEC has been held in Taiwan in August. Dr. Yu-hua Kuo and Dr. Chun-pei Lin have delivered great lectures and hands-on courses, and Dr. Cheng-Han Yan has delivered a lecture too. Satisfied with the perfect collaboration with the 'UNIGLIFE' team. 🐾

Save the date! Official APEC Online Seminar_Webinar

We are super excited to announce that Dr. Kranthi Raja will be deliver the valuable lecture. Don't hesitate to come to the lecture for free.

Date: 16th November, Thursday

Time: 20:30 (GMT +9)

Lecture Title: Navigating the Third Dimension:
Endodontic Obturation Advancements

Meeting Code: 831 2399 8257 (Zoom)

Passcord: 000000

Scan QR to Join the
webinar (on the day)



Prof-Dr. Kranthi Raja



Expansion of Production Facilities at New Factory

Successfully Completed!

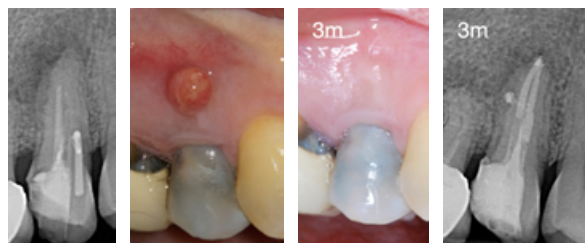


Meta Biomed completed the construction of a new factory in May 2023 to meet global demand and expand production capacity. The new facility consists of two floors, with the first floor measuring 3,980m² and the second floor measuring 3,960m², totaling 7,940m² in floor area. The company continuously produces over 30 types of dental materials including CeraSeal launched in 2018, which is being sold in 50 countries worldwide, and sutures in response to the rapidly increasing demand.

Meta Biomed's CeraSeal is especially popular and widely distributed due to continuous global orders, the production capacity has been expanded and facilities have been added. Furthermore, Meta Biomed is committed to sustainable management through environmentally and socially conscious decision-making. The company has transitioned from conventional disposable packaging materials to eco-friendly packaging materials to consider the environment. Meta Biomed will continue its efforts to reduce the environmental impact in various ways in the future. 🐾

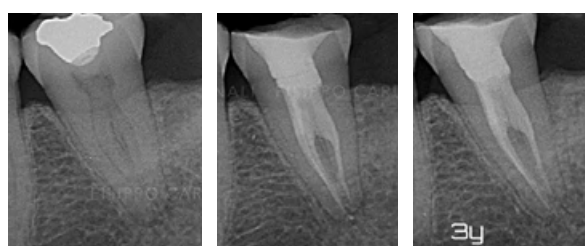
CeraSeal Clinical Case

by Dr. Filippo Cardinali



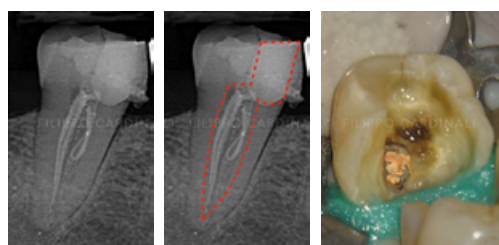
Retreatment of 1.5 with apical lesion and sinus tract: 3y follow-up. Cold Hydraulic Condensation obturation technique using a single cone and CeraSeal bioceramic sealer in both canals. After the delivery of the sealer in the middle and coronal thirds, cones were slowly inserted in the canals and then removed to assess the presence of the sealer at apical level; in this case I added CeraSeal at the tip of the cones to secure its presence in the apical third. The hydraulic pressure, generated during the insertion of the cones and during the packing at orifice level, and the flowability of the CeraSeal are responsible for the injection of the lateral canal that sustains the lateral lesion. The 3 years follow up shows the complete healing of the lesion. 📺

[Click to watch video](#)



Treatment of 3.7 with Apical Periodontitis 3 years follow-up. This 37 has a C-Shape canal configuration; the 2 mesial are merging, the distal canal has an independent foramen. The narrow connection between canals is really challenging to clean, to properly fill during the obturation and very difficult to dry. In the video you can clearly see the communication between the buccal canals during the delivery of the sealer, the sealer in the narrow coronal communication and how the sealer appears in the distal canal moving the GP cone in the buccal canal, that means that there is a second communication area in the apical third. In these cases we do add sealer to completely fill the root canal space, the hydraulic pressure allow the filling of these narrow spaces, and the humidity present at that level won't interfere with the setting of the CeraSeal. At 3 years everything is running well, even though the patient refused to do a full cuspal coverage restoration. 📺

[Click to watch video](#)



Retreatment of 4.7 with Apical Periodontitis - 4 years follow-up. Very low quality obturation in this 47 even because of a wrong access cavity design. Once corrected the access, it was easy to remove the old obturation material. This tooth has a C-Shape canal configuration with a mesial and distal canal merging at apical level. The canals were obturated using the Cold Hydraulic Condensation Technique with CeraSeal bioceramic sealer: the proper delivery of the sealer and the hydraulic pressure, generated during the insertion of the cones and during the packing at orifice level allowed the CeraSeal to completely fill the narrow space between the canals and to inject an accessory foramen. 4 years follow-up with complete remission of apical periodontitis symptoms. 📺

[Click to watch video](#)





ايكس
AEEDC
DUBAI

Upcoming Event

AEEDC 2024

6-8th FEBRUARY

We are scheduled to participate in AEEDC 2024. We greatly appreciate your interest and encourage your attendance! Please visit our booth 5A10 for a new experience keep your eyes on AEEDC 2024!



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.



SCAN HERE

Facebook, Instagram, YouTube icons

Flossing 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.**

Real Bioceramic

CeraSeal

Calcium Silicate-based Bioceramic Sealer

- Perfectly Suppressing the Bacteria in the Canal**
-High pH level (12.73)
- Excellent Healing Effect with high bioactive ingredients (50%)**
-High-cell viability & Absolutely Non-Toxic
- Great Accessibility even to the small Accessory Canal**
-High Flowability(24mm)



2g syringe 1EA, Disposable tips 10EA