

WithZine **INDIA**

February 2026

Vol.2



vatech



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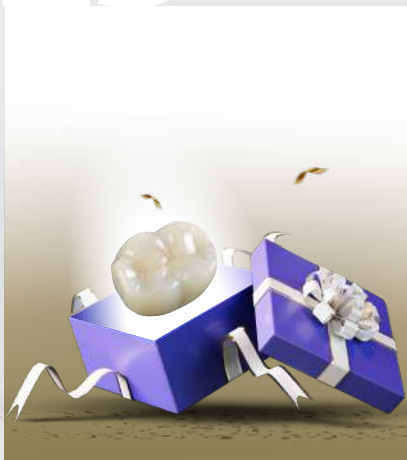
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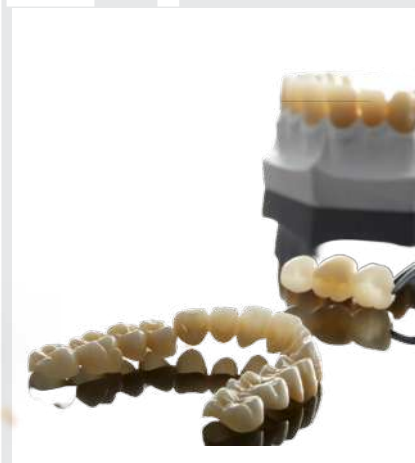
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Valentine's Month at the Dental Clinic:

Care, Connection & Confident Smiles

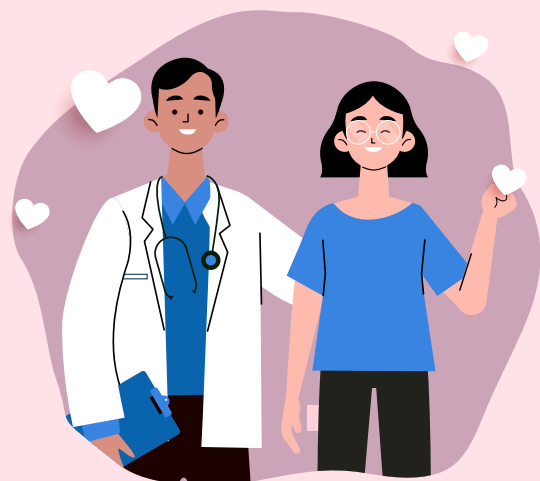
February brings with it a gentle reminder that love is not limited to one day. Valentine's Month is about care, connection, and the small everyday actions that make people feel valued. At its heart, love is about showing up for others and for ourselves.

At a dental clinic, we see this every day. Behind every appointment is a person, a story, and a reason to smile.



Love Is Expressed in Everyday Care

Valentine's Day often focuses on romance, but love extends far beyond that. It's present in families, friendships, workplaces, and moments of self-care. Love can be as simple as checking in on someone, listening patiently, or encouraging healthy habits. In dentistry, care is at the center of everything we do. From preventive check-ups to long-term treatments, dental care is about helping people feel comfortable, confident, and supported—one visit at a time.



Valentine's Month Is Also About Self-Love

This Valentine's Month, self-care deserves a place in the conversation. Taking care of your health is a meaningful form of self-respect. When you invest in your well-being, you are better able to care for the people around you.



Dentistry Rooted in Care and Trust

At our dental clinic, Valentine's Month is a reminder of why we do what we do. Dentistry is not just about treatments—it's about people. It's about creating a space where patients feel heard, cared for, and confident in their smiles.

Every patient relationship is built on trust, communication, and compassion—values that reflect the true spirit of Valentine's Month.

Carrying the Spirit of Valentine's Month Forward

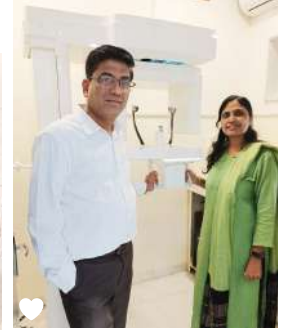
As February comes to a close, the message continues: love and care are not seasonal. They are built through everyday choices, healthy habits, and genuine human connection.

This Valentine's Month, we encourage you to celebrate love in all its forms—by caring for yourself, sharing kindness with others, and keeping your smile healthy and confident throughout the year.

**Because a healthy smile is more than an expression
it's a reflection of care.**

Welcome to the Vatech family

India's Largest Installation Base



2D

Dr. Nivedita U V
 Dr.Sindhu
 Manvendra Singh
 Dr. Nikhil O.
 Arova Maxillofacial And
 Dental Hospital
 Dr. Aseash Varma
 Mandapati
 Dr. Deepak Arora
 MSK Diagnostics
 Private Limited
 Tridasa Dental Centre
 (Dr. Butchi Babu)
 Dr. Ravindra Reddy
 Attal Dental Clinic
 Ranavaya Karankumar
 Laxmanbhai
 Dr. Mrs. Sumedha

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 Karnataka
 Uttar Pradesh
 Kerala
 Gujarat
 Andhra Pradesh
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 Telangana
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Pankaj Kumar
 R. GuruPrasad
 Smaran Advance
 Dental Clinic
 Dr. Biju P V
 Malav H Parikh
 Sibar Institute of
 Dental Sciences
 Aamir Raunak Khan
 Manas Kumar Patel
 Pinky Kumari Singh
 Dr. S. Arun Kumar
 Dr. Ashok Kumar
 S and K Dental Care
 R. B. Diagnostic Pvt. Ltd.
 P. K. HealthCare
 D. Rajan Yesupatham
 Mrs. Amrita Yadav

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 Odisha
 West Bengal
 Tamil Nadu
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 Gujarat
 West Bengal
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 Tamil Nadu
 Bihar

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Pathology Service Centre	Bihar
Dr. Suresh Kumar	Haryana
Sachdeva	
Abhishek	Himachal Pradesh
Parv Agarwal	Uttar Pradesh
Tabassum Asema Mirza	Maharashtra
Afzal Baig	
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Sokhender Kumar
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 Punjab
 Kerala
 New Delhi
 Madhya Pradesh
 New Delhi
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 Chattisgarh
 Uttar Pradesh

*Whether or not we've received your photo, we are sincerely thankful for choosing us!
 We truly value you as our customer. ❤️*

A Look Back at Our Recent Events & Seminars

Indian Dental Association Nagpur Branch

Vatech India proudly participated in the Indian Dental Association Nagpur Branch event held from 9th to 11th January 2026 at Naivedyam NorthStar, Nagpur.



Superdentist – Lucknow

Vatech India participated in SuperDentist, organized by the Indian Society of Digital & Implant Dentistry (ISDID), held from 9th to 11th January 2026 at Dayal Gateway, Lucknow.



Famdent Show Hyderabad

Vatech India proudly participated in Famdent Show Hyderabad 2026, 7–8 February 2026 Island C02, at HITEX Exhibition Center, Hitec City, Hyderabad, India

Thank you to all the dental professionals who visited us & made the event a great success!

7-8 Feb 2026



Team vatech India



CDE Program CBCT: Unlocking the 3D Imaging



9-11 Jan 2026
♥

BBD Dental College successfully hosted an academic seminar on Vatech CBCT, introducing students, interns, and faculty to the latest advancements in 3D dental imaging.

CDE Program- Reframing Dental Diagnosis with CBCT



22 Jan 2026
♥

An insightful CDE program at AME's Dental College, Raichur, with Dr. Smriti Tiwary highlighting the role of CBCT in accurate diagnosis and effective treatment planning.

Essential of CBCT Basic & Clinical Advantage & Hands-on workshop on Ez3D-i,



4 Feb 2026
♥

We successfully conducted a CDE program organized by Vatech India in association with Kataria Healthcare Diagnostic, held at G.K., Delhi on 4th February 2026. The program featured an in-depth lecture and hands-on session on Ez3D-i, expertly led by Dr. Smriti, providing participants with practical insights and advanced CBCT workflow knowledge.

Upcoming Seminar & Hands-on Workshop

22nd Feb. 2026
11:00 am (Onwards)



Vatech India HQ. S.M. Plaza, 1016/2, opp. CISF Bypass Road, Mahipalpur, New Delhi

VATECH INNOVATION & LEARNING CENTER



Vatech Headquarter Insights

Vatech has reached a historic milestone with the production of its 100,000th imaging system, a testament to its global leadership in dental diagnostics. From launching the world's first 3-in-1 system in 2005 to pioneering the low-dose, high-resolution Green lineup, Vatech continues to redefine diagnostic standards.

The milestone unit, Green X 21, is the company's flagship high-resolution CT system, recognized for its 0.05mm voxel size and dedicated Endo Mode. Following a strong U.S. launch, global demand continues to grow ahead of its European release and the upcoming Special Edition unveiling at Expodental 2026 in Madrid.

Looking forward, Vatech is advancing AI-powered imaging through the Clever One platform while expanding its "Boundless" vision to improve healthcare accessibility worldwide.

"The milestone of 100,000 systems is a testament to the fact that dental professionals worldwide trust Vatech's technology to provide 'superior value' to both doctors and patients,"

"We will continue to solidify our position as the global leader by advancing technologies that improve the quality of human life."

- Brian Hwang, CEO Vatech

Vatech Global Insights



Vatech continues to expand its global footprint, bringing innovation closer to dental professionals worldwide. At AEEDC Dubai 2026, one of the most influential dental exhibitions in the region, Vatech proudly showcased its latest advancements in dental imaging technology while strengthening meaningful partnerships across international markets. We sincerely thank everyone who visited our booth and contributed to this inspiring experience. Your trust and collaboration drive us forward.



Team Vatech India, AEEDC Dubai 2026



We sincerely thank everyone who visited our booth and contributed to this inspiring experience. Your trust and collaboration drive us forward.

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Unique Size 1.5

*Same Unit Suitable For
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Thinnest Sensor 4.8

*CMOS APS Detector easy to
position in patient's mouth*

Fast & Efficient Workflow

*Direct USB Interface, allows
fast & easy transfer of images*

Water & Dust Resistant

*IP68 - Protects From Water
& Resists Dust*



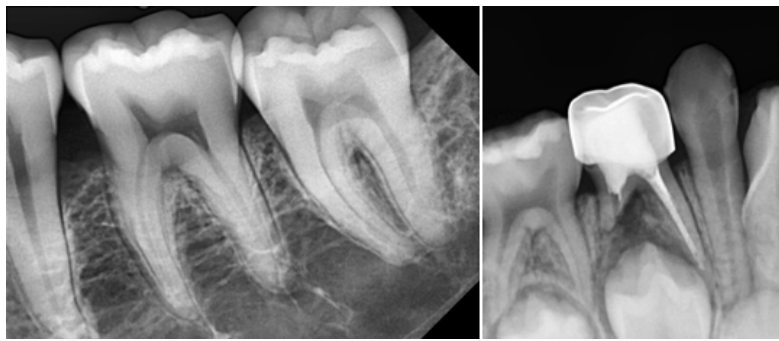
[Click here for more](#)

Is Your Intraoral Imaging Truly Reliable?

Intraoral imaging is the foundation of accurate diagnosis in modern dentistry. From caries detection to endodontic assessment and implant planning, image clarity directly influences clinical confidence and treatment outcomes.

EzSensor Classic - engineered to deliver **high-resolution imaging, ergonomic comfort** and **long-term reliability**, making it a trusted choice for clinicians.

High-Resolution Imaging for Confident Diagnosis



EzSensor is built with advanced CMOS technology, delivering exceptional image sharpness and contrast. Fine anatomical details such as lamina dura, periodontal ligament space, root morphology, and periapical structures are visualized with clarity. Supporting accurate diagnosis across restorative, endodontic, and periodontal cases.

Patient Oriented Design

Rounded corner design allows maximum comfortable placement against soft tissue.

Rounded corners ease pressure on delicate oral mucosa, reducing pain while smart design preserves the active imaging area. The rounded & cut edges provide best possible comfort for the patients. The Vatech's unique size 1.5 sensor fits almost all patients.



How Do You Properly Clean and Care for the EzSensor Classic?

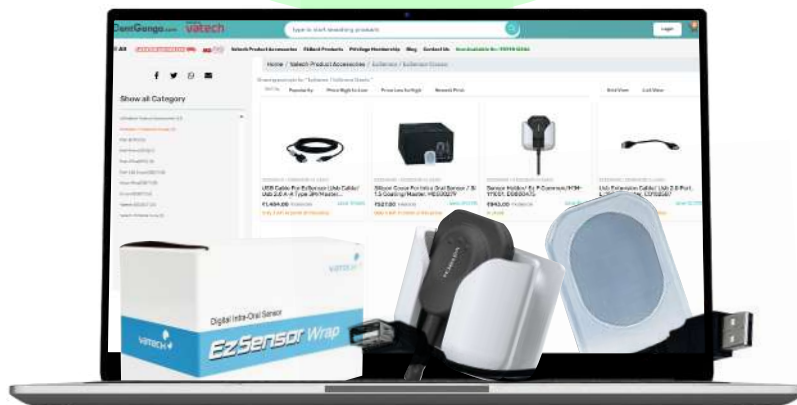
To prevent infection, wipe the front plate of the sensor unit with ethanol or glutaraldehyde solution after each patient use.

If you intend to use a disinfectant other than those specified, or if you plan to mix another disinfectant with ethanol, consult a specialist, as improper chemicals may damage the sensor plate.

✓ Do's	✗ Don'ts
Mild soap and water	Hard brushes or scrapers of any kind
Isopropyl alcohol (70%)	Strong acids or alkaloids
Most alcohol-based & ammonia-based cleaners	Spray directly on IOS sensor
Mild, non-abrasive cleaners	
Soft microfiber cloth	

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1. Please download the TeamViewer client - click the button below.
2. You will be prompted to "Run & Install". Please run the TeamViewer Quick Support Client.
3. Once download finished, click on the button to install or run TeamViewer Quick Support.
4. You will find a place to fill your Name, kindly fill it and click on the connect button and wait for our customer care executive to activate remote assistance.
5. Once it starts - you may interact with each other thru TeamViewer to share your concern.

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Our Representatives will arrange the Call Back on Your Contact Number

Phone & E-mail Hours of

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Meet the **Star Performers** of the month

Star Performer -
Sales



Mr. Roopesh S.

Product Specialist - South India

With 14 years of experience, he brings strong strategic insight, customer focus, and operational excellence. His professionalism and leadership set a benchmark for the team. this recognition is a testament to your remarkable journey and continued success. Congratulations!

Star Performer -
Service



Mr. Parveen Kumar

Team Leader (North India)VIN

Bringing 11 years of expertise in Radiology, he excels in problem-solving and decision-making under pressure. Leading with integrity, he inspires growth through mentorship. Your contribution makes a meaningful difference every day. Congratulations!

Star Performer -
Backend Team



Ms. Nikita Pundir

PMS Specialist - Clever Dent

Her four years of dedicated service as a PMS Specialist at Clever Dent reflect her professionalism and passion. We sincerely appreciate her efforts and outstanding support. Congratulation!

MB2 Canal in Maxillary Molars

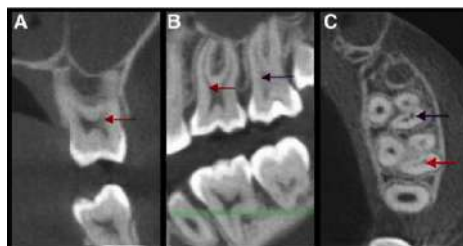
Why High-Resolution CBCT changes Endodontic Outcomes?

Endodontic failure in maxillary molars is frequently linked to the missed or inadequately treated mesiobuccal second canal (MB2). Multiple CBCT-based studies report a global MB2 prevalence of 73.8%, with values ranging from 48% to 97.6% making its presence more common than often clinically assumed. Given this high frequency, clinicians must proactively anticipate the MB2 canal before initiating root canal therapy rather than relying solely on conventional detection methods.

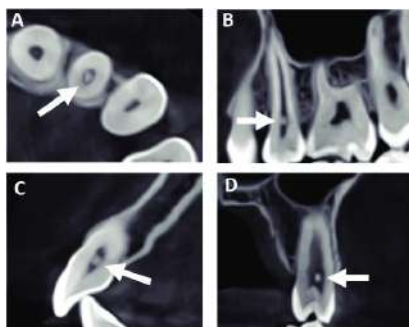
Why Is MB2 Canal Detection So Challenging?

Despite its prevalence, clinical identification of the MB2 canal remains difficult due to:

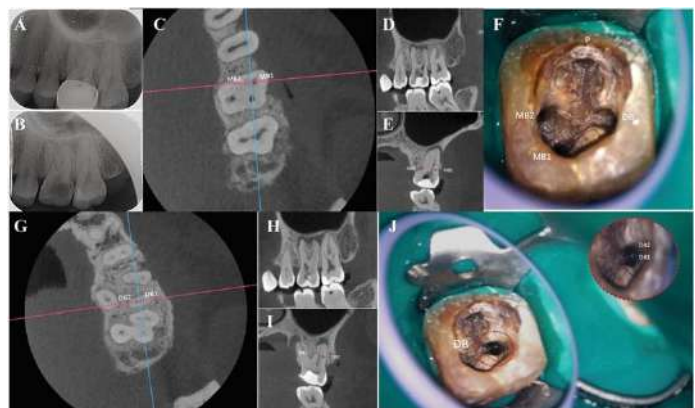
- *Small canal diameter*



- *Secondary dentin deposition masking the canal orifice*



- *Age-related dentin calcification, further obscuring anatomy in older patients*



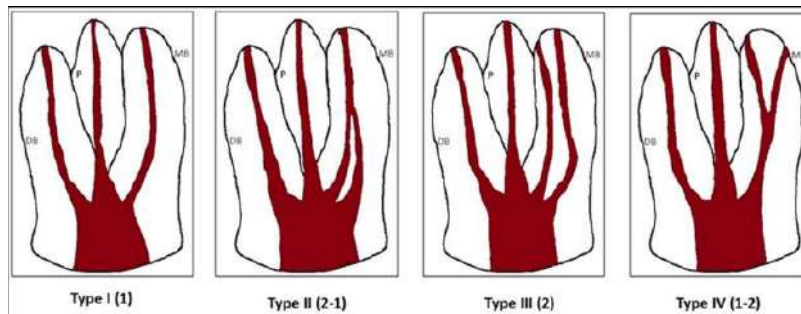
But these factors would have significantly reduced visibility if would have taken under conventional radiographs and even during clinical access preparation

Clinical Significance of MB2 Canal Configurations

According to Weine's root canal classification, MB2 canals may present in multiple anatomical patterns:

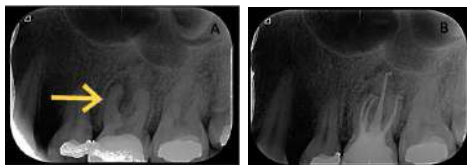
- **Type II** – Two canals merge into a single apical foramen
If one canal is sealed, contamination of the other may not always result in pathology.
- **Type III & Type IV** – Multiple canals with separate apical exits & all foramina must be identified and sealed
Leakage from any untreated canal can lead to periapical disease and treatment failure

This reinforces the necessity for complete canal detection, thorough debridement, shaping, and obturation.



Role of CBCT in MB2 Canal Identification

Recent literature strongly supports the use of CBCT in maxillary molar endodontics, particularly for:



Evaluation: Conventional Periapical radiograph are limited by distortion & overlapping structures often missing MB2 Canals whereas CBCT provides clear 3-dimensional imaging of root canal number, curvature & spatial relationships



Assessment of Metabuccal Canals in Endodontically Treated Teeth in Indian Population by Cone Beam Computed Tomography: A Cross-Sectional Study

Abstract

Background: Metabuccal canals (MB2) are a common anatomical variation in maxillary molars. Their identification is crucial for successful endodontic treatment. This study aims to assess the prevalence of MB2 canals in Indian maxillary molars using Cone Beam Computed Tomography (CBCT).

Methods: A cross-sectional study was conducted on 100 maxillary first molars. CBCT scans were analyzed to identify MB2 canals. The detection rate was compared with conventional radiographs.

Results: The study found a significant prevalence of MB2 canals. The detection rate using CBCT was significantly higher than that of conventional radiographs.

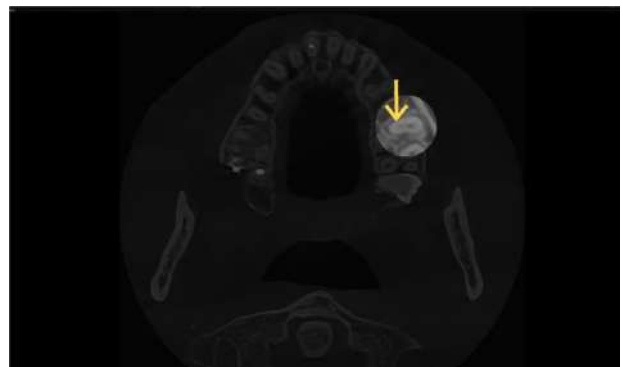
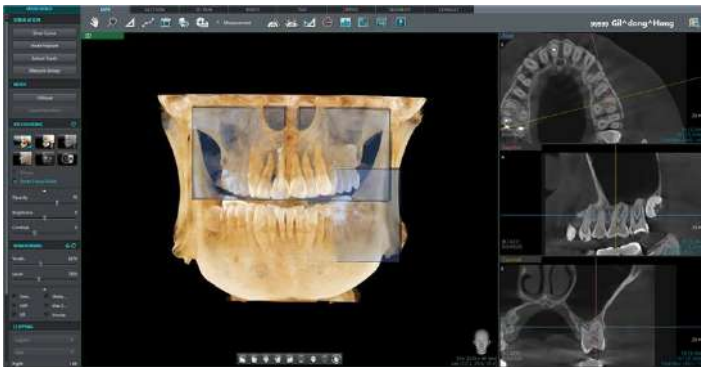
Conclusion: CBCT is a valuable tool for identifying MB2 canals in maxillary molars, which can significantly improve the success of endodontic treatment.

Keywords: Metabuccal canals, MB2, Cone Beam Computed Tomography, Endodontics, Maxillary molars.

Cone-beam computed tomography (CBCT) is a three-dimensional advanced imaging technology that provides cross-sectional views of the maxillary first molar, allowing for the visualization of complex root canal anatomy [15]. The use of CBCT in the secondary assessment of missed canals has been shown to significantly increase the detection rate of MB2 canals, ranging from 50% to 89% [10, 15], it helps to enhance the accuracy of diagnosis and treatment planning, reduce the risk of procedural errors, and improve treatment outcomes. CBCT images can also minimize the need for exploratory surgery, thereby reducing the patient's discomfort and risk of complications [16, 17].

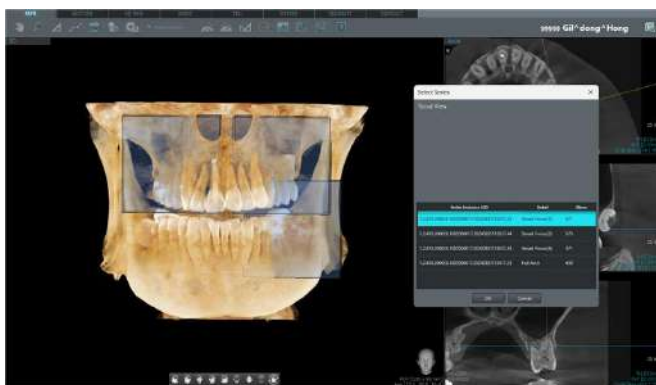
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Case Review:

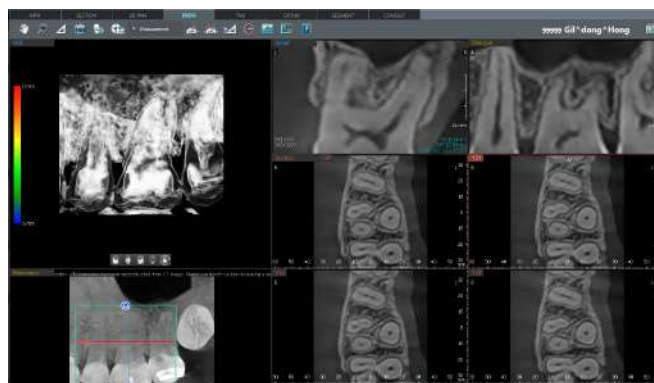


- On the full arch CBCT scan, an MB2 canal was suspected

- But its presence could not be confirmed due to the limitation of standard resolution



- To achieve a more accurate evaluation, **Smart Focus** was applied to locally enhance resolution within the existing CBCT Scan.

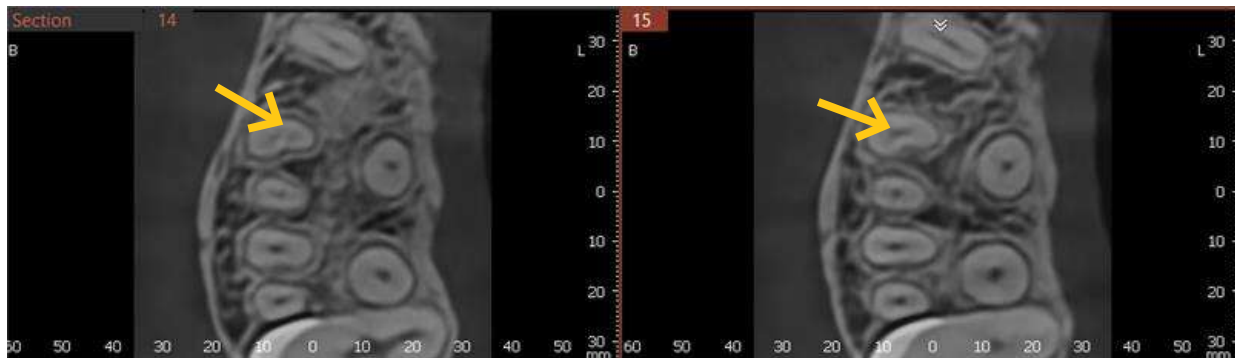


- With Smart Focus the voxel size is refined to 70 Micron resolution

Case Review:



- *The secondary canal in the Mesiobuccal Root was clearly visualized*



- *In sequential slices the traced MB2 Canal was seen running independently before merging with MB1 near the apex*

This case demonstrates that by strategically utilizing high-resolution CBCT in Endodontic treatment, clinicians can detect canals with greater accuracy.

This ultimately improves the predictability & success of treatment outcomes.

This case has been scanned from Vatech Green X 12 & has been diagnosed through Ez3D-i Software

Isn't it remarkable
that a canal invisible on a full-FOV scan
becomes clearly evident when we shift to a
high-resolution small FOV?

This level of diagnostic precision is made possible by Green X12 Smart Focus.
Let's take a closer look at how this technology makes the invisible visible.

Enhancing Detection with Smart Focus

1 Scan = 5 images



In routine full-arch CBCT, an MB2 canal may be suspected but not confirmed due to resolution limits—Smart Focus enhances local detail within the same scan.

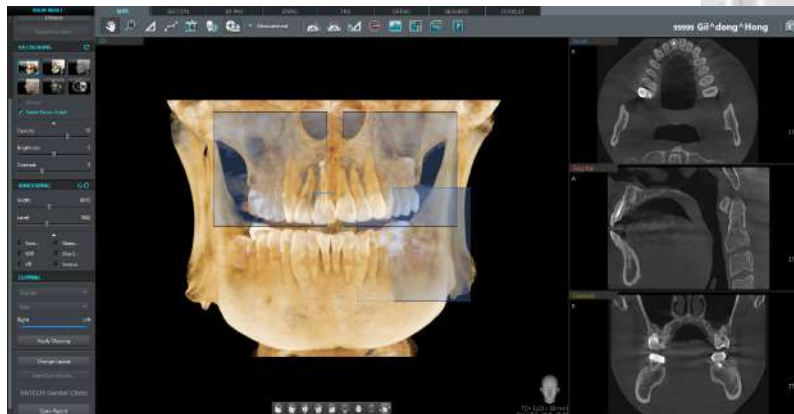
- Resolution increased to **70 microns**
- Clear visualization of the **secondary MB2 canal**
- Canal morphology revealed as **Type II configuration**, with two canals merging into a single foramen.

Clinical Takeaway:

Strategic use of **high-resolution CBCT**, especially with localized enhancement tools like smart focus, enables:

- *Superior canal detection*
- *Accurate anatomical mapping*
- *Improved treatment planning*
- *More predictable and successful endodontic outcomes*

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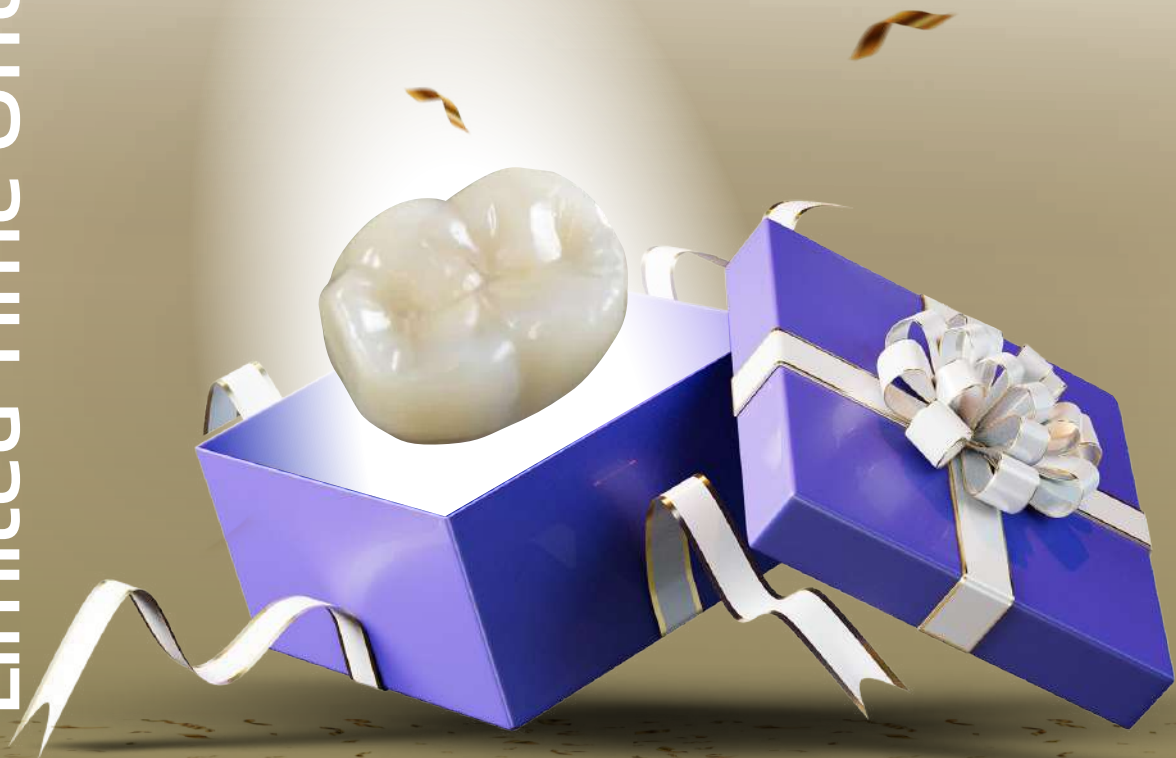
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We hope you enjoyed this edition of our newsletter
See you in our next edition!



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