

WithZine INDIA

August 2026

Vol.8



vatech



Celebrating the Spirit of Freedom

This Independence Day, we celebrate your passion, dedication & the difference you make in every patient's journey



Independence Day is more than a celebration of our nation's freedom—it is a reminder of the responsibility we all share in building a healthier, stronger India. Every day, dentists contribute to this vision by improving lives through better oral health-care, restoring confidence, and bringing smiles to countless patients.



This Independence Day, Vatech celebrates every dentist who is transforming patient care through precision, confidence, and advanced imaging solutions.

To mark the occasion, we're introducing a special Freedom Offer that brings the convenience of wireless technology to your practice.

Refer the next page to explore the exclusive offer!

Bringing Freedom to Every Scan

Wireless Scanner @ Easy EMI

Down Payment
₹1,99,000/-*

Lowest EMI
₹20,999/-*
(x24 months)

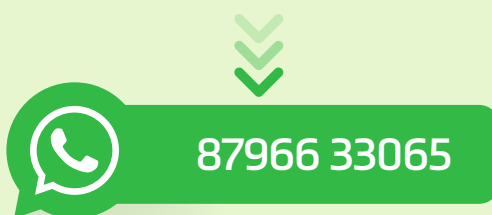


*T&C Apply

Wireless Scanner @ Easy EMI

The Benefits you will get:

- 1 Extra case/month because of same-day acceptance = scanner cost recovered in months.
- Chairside time cut by 40-60%
no more messy alginate, no more redo scans, just comfort
- 20-micron accuracy
Precise enough for crowns, aligners, & implants- zero room for errors
- Open STL export:
work with any partner you choose
- Patients approve treatment
2-3x faster with Oral Health Report when they see the problem & understand by themselves instead of just hearing about it



*T&C Apply

Welcome

We're delighted to welcome our
newest customers to the Vatech family

2D

Doctor/Clinic Names

Mudit Mehrotra HUF
Dr. Satinder Singh Sodhi
Aamir Khan Siddiqui
Sayali Vithal Sutar
Apollo Dental Clinic / Dr. Darun Aravind
Mr. Abhijeet Kumar Verma
Mr. Nitish Kumar
Maa Diagnostic Centre
Mr. Mukesh Jha
Mr. Shanmuga Sundaran K
Dr. A. V. Nakkeeran
Pothi Reddy Koti Reddy
Ramesh Dhami
Gautam Deo Sharda
Kotiklapudi Deepthi
Adnan Ahmed
Masjood Ali Khan
Jigar R Joshi
Shreeji OPG Centre
Dentalwings India Private Limited
Mr. Zeeshan Hyder Matoo
Kashmir Medical College
Ramakrishna Mission

State

Uttar Pradesh
Punjab
Uttar Pradesh
Maharashtra
Tamil Nadu
Bihar
Bihar
Bihar
New Delhi
Tamil Nadu
Tamil Nadu
Telangana
Uttarakhand
Rajasthan
Andhra Pradesh
Chattisgarh
Uttar Pradesh
Gujarat
Gujarat
Telangana
Jammu & Kashmir
Jammu & Kashmir
Jammu & Kashmir

#vatechfamily

Our Success Begins With You

2D

Doctor/Clinic Names

Amit Kumar Chourasia
 Dr. Seikanth Desai
 Smitha Sudha
 Dr. Vibhor Singla
 Ayushi Rani
 D S Diagnostic Centre
 Aveek Ghosh
 Avishkar Diagnostics Durgapur
 Dr. L. Sivakumarashankari
 Oral 3D Health Care Pvt Ltd
 Oral 3D Health Care Pvt Ltd
 Akash Kumar Baranwal
 Oral 3D Health Care Pvt Ltd
 Dr. Abhijit Tripathi
 Ved Prakash
 Medstar Clinics Pvt Ltd
 B & B Smile
 Arambagh OPG Center
 Thirthalli Diagnostic Center
 The Dental Implant Store
 Dr. Prashant Abhishek
 Dr. Hanumantha Rao Thota
 Dr. Irish Umang
 Dr. Jay Shankar

State

Bihar
 Telangana
 Karnataka
 Haryana
 Jharkhand
 West Bengal
 West Bengal
 West Bengal
 KARNATAKA
 Karnataka
 Karnataka
 Uttar Pradesh
 Karnataka
 Uttar Pradesh
 Bihar
 West Bengal
 West Bengal
 West Bengal
 Karnataka
 Telangana
 Chandigarh
 Andhra Pradesh
 Jharkhand
 Bihar

Welcome

We're delighted to welcome our
newest customers to the Vatech family



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Our Success Begins With You

3D

Doctor/Clinic Names

Shaharyar Ahmed
 Dr. Kiran Kumar
 Dr. Nimmy H Shetty
 Dentalwings India Private Limited
 Dental Cove
 Dr. Amandeep Singh Chhina
 Kalyanam Hospital
 Gupta Dental Care & Orthodontic Centre
 Javed Sulaimani
 Mr. Mohammed Anees
 Manoj Singh
 Tek Chand Saini
 Lifecare Scan And Research
 Private Limited
 Dr. Vidhi Karia
 Gargs Dental Remedies
 Anusar Gupta
 Sushmita Tiwari
 Apex Diagnostics

State

Uttar Pradesh
 Telangana
 Karnataka
 Telangana
 Delhi
 Punjab
 Uttar Pradesh
 Delhi
 Bihar
 Karnataka
 Uttarakhand
 Haryana
 Chattisgarh

 Maharashtra
 Haryana
 Uttar Pradesh
 Bihar
 Himachal Pradesh



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

vatech CBCT Clinical Insight

4th Edition - Chandigarh



The 4th Edition of Vatech CBCT Clinical Insight brought together dental professionals in Chandigarh for an insightful day focused on advanced CBCT imaging, clinical applications, patient management, and the evolving possibilities of digital dentistry.

The event featured engaging and knowledge-rich sessions designed to help dental professionals enhance their understanding of CBCT and its role in modern clinical practice.

09-08-26
The Lalit, Chandigarh



Mastering CBCT & Transforming Diagnosis into Growth



Dr. Mayank Das led an insightful session on "Mastering in CBCT & Transforming Diagnosis into Growth," exploring the clinical value of CBCT imaging and its role in strengthening diagnosis and treatment planning.



Smarter Patient Management with CleverDent



The session also featured Dr. Ishan Dhruva, who introduced CleverDent's AI-powered diagnostic features, highlighting how intelligent diagnostics and efficient patient management can help create a smarter, more streamlined dental practice.

The enthusiasm and active participation of the attending dental professionals made the Chandigarh edition a memorable success. The event provided an opportunity for learning, knowledge sharing, and meaningful interaction within the dental community.

09-08-26

The Lalit, Chandigarh

A Meaningful Learning Experience

Seminar Attendees Name List:

Dr. Piyush kaushik	Dr. N.K Aggarwal
Dr Jog Jatin Khurana	Dr. Puneet Bansal
Dr Ira Walia (OMR)	Dr. Shalley Prashar
Dr Nisha Dua (OMR)	Dr Harmanjot Singh
Dr Simarjit Singh (OMR)	Dr. Harjot Kaur (OMR)
Dr Raghav Takkar	Dr. Shakeel
Dr Ashwarya Sharma (OMR)	Dr. Devinder
Dr Sharry Goyal (reader)	Dr. Gursimran Singh Pabla
Dr Sonam Gupta (prof.)	Dr. Rupinder Singh
Dr. Umika (intern)	Dr. Sunita Dhall
Dr R K Takkar	Dr. Arshdeep Kaur
Dr Swati Takkar	Dr Nikita
Dr Nidhi Takkar	Dr. Rohit Sharma
Dr Arun Brar	Dr. Eeshita
Dr Deepak Girdhar	Dr. Malvinder Cheema
Dr Rajan Rajput	Dr. Ashna (OMR)
Dr Manvir Bhatti	Dr. Radhika Goyal
Dr. Harjinder Kaur	Dr. Nitu Goyal
Dr. Abhijit Singh	Dr. Neha Bansal
Dr. Aditi Moudgil	Dr. Harveen
Dr. Jasneel Grover	Dr. Tanvi
Dr. Priyanka	Dr. Priyanka Kapoor
Dr. Anshu	Naseer Choudhary
Dr. Kamalpreet	Dr. Tajinder Prashar
Dr. Amandeep	Dr. Sangam
Dr. Shikha Pahara	Dr. Vikas Singla

Vatech India extends its heartfelt appreciation to everyone who joined and contributed to making the Seminar a success

Upcoming Vatech CBCT Clinical Insight Mumbai



5th Edition at Mumbai
Happening Soon!

An exclusive Learning Program On:

**Mastering CBCT & Transforming Diagnosis
into Growth**



Leave your details here
& we will notify you



Upcoming Exhibitions

Mark Your Calendar

Expodent Chandigarh

12 & 13 Sept.

Palms Resort, Zirakpur



Expodent Bengaluru

25,26 & 27 Sept.

Bengaluru International
Exhibition Center (BIEC)



DASANA Summit

25,26 & 27 Sept.

Radisson Blu
Paschim Vihar, Delhi



Star Performer

Meet the Star Performers of the month



Mr. Naga Lakshmanarao

Regional Sales Manager (RSM)

Thank you for your leadership, dedication, and consistent efforts in driving sales growth across the region. Your strategic guidance, team support, and commitment to achieving results are truly valued and appreciated.



Mr. Prashant Tanwade

CS Team Leader West

Thank you for your dedication, leadership, and continuous support in delivering excellent customer service. Your guidance, commitment, and efforts in supporting the team and customers are truly valued and appreciated.

Congratulations!

Star Performer

Meet the Star Performers of the month



Ms. Sumiti Kumari

Product specialist

Thank you for your dedicated efforts in product demonstrations, customer support, and sharing valuable product knowledge. Your consistent contribution and commitment have played an important role in our success. We truly appreciate your hard work & support!



Mr. Mukul Verma

Sales Coordinator

Thank you for your dedicated efforts in coordinating sales activities, supporting the sales team, and ensuring smooth communication with customers. Your organization, timely follow-ups, and consistent support play an important role in our success.

Congratulations!



vatechindia News

Thinking of Upgrading to a CBCT, (Panorama/OPG) 2D Imaging System?

But concern about the upfront Investment?



With Vatech India's financing support
through **Shinhan Bank**, you don't have to wait.



Shinhan

Why Choose EMI Financing?

- Minimal upfront financial burden
- Flexible loan tenures and attractive interest rates
- Fast and simple approval process
- Preserve working capital for your clinic operations
- Start earning from CBCT and Pano (OPG) services immediately

To know more contact Your Nearest representative
or call in this number



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Global News

Vatech Networks News is a monthly highlight that connects HQ & global teams through shared culture & stories.



2026.07.14

The first customer training program "VKG Academy," held in Kyrgyzstan concluded successfully with strong interest from local dental professionals. The program provided training on Ez3D-i applications, Green Series operation, and CBCT image analysis, and Vatech plans to further expand its local education platform in response to growing demand.



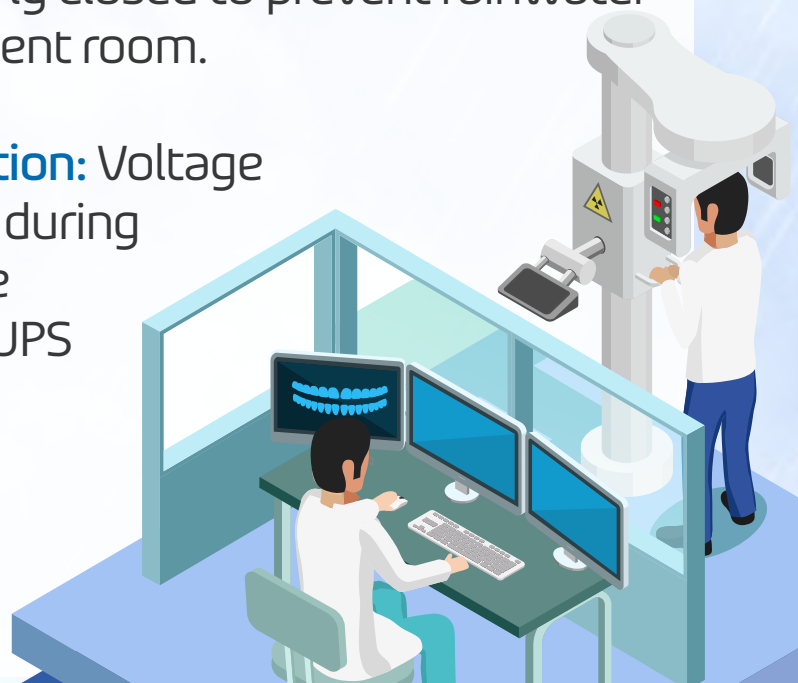
2026.07.03

Woorien held CT education seminars in Kaohsiung & Taichung, Taiwan, under the theme "From Advanced Imaging to Clinical Decision." Around 120 veterinarians & students attended, where advanced CT diagnostic techniques & clinical case studies were presented, strengthening Woorien's position in Taiwan's veterinary imaging market.

In Monsoon Season: How to Protect Your Dental Equipment

The rainy season brings high humidity, moisture and the risk of water leakage, which can affect the performance and life of dental equipment. Follow these simple precautions to keep your equipment safe:

- **Keep the equipment room dry:** Make sure there is no water leakage, seepage, or dampness around the equipment.
- **Control humidity:** Keep the room properly ventilated and use an air conditioner or dehumidifier where required to maintain a suitable environment.
- **Avoid operating during water leakage:** If water enters the equipment area, switch off the machine safely and contact the service team before operating it again.
- **Protect during heavy rain:** Ensure windows, doors, and other openings are properly closed to prevent rainwater from entering the equipment room.
- **Use proper power protection:** Voltage fluctuations are common during monsoon. Always use the recommended stabilizer/UPS and proper earthing.



- **Avoid unnecessary X-ray exposures:** Do not take repeated or unnecessary exposures. Follow the recommended duty cycle and allow the machine sufficient cooling time.
- **Keep ventilation openings clear:** Do not cover cooling fans or ventilation areas of the equipment.
- **Regularly check cables and connectors:** Moisture can affect electrical connections, so inspect them for signs of moisture, corrosion, or damage.
- **Protect against water:** Never allow water to come in direct contact with the X-ray/CBCT unit, cables, connectors, or electrical components.
- **Report unusual symptoms early:** If the machine shows errors, unusual noise, overheating, or image-quality issues, stop repeated operation and contact the service team.

A little care during the monsoon can prevent major equipment downtime & help extend the life of your equipment.

Stay Dry | Stay Safe | Keep Your Equipment Protected!

Looking for Vatech Direct Support?

Get official customer support from Vatech professionals direct from the company



Unique Instant Service Support Mechanism

Software
Installation



Licence
Support



Installation
Backup



User
Training



Error
Code





VATECH INDIA – REMOTE ASSISTANCE

ONLINE VATECH-DIRECT 123 SUPPORT SYSTEM

To be ready / register for Support - Please have the Device & Serial Number ready available with you while on call. The SN is found on the Tag / Located on the left side of the device. It is required to have the best available information in our records and to verify & provide the fastest service possible.

INSTRUCTION FOR REMOTE ASSISTANCE - THRU TEAMVIEWER

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.

DOWNLOAD
Team Viewer Now



Spotlight August

CBCT for Smart Professionals



Smart PlusTM

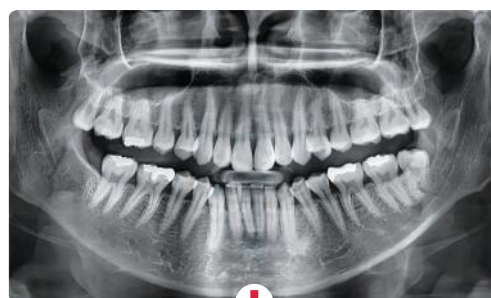
[PHT-35LHS]

Why Smart Plus CBCT?

Discover the advantages that elevate your diagnostic workflow

1 Scan, 2 image

One scan with the Smart Plus gives you not just a CT image, but also an Auto Pano image. This means patients who require both images do not need to undergo two X-ray scans. Also, CT and Auto Pano images are displayed within one viewer.



2D

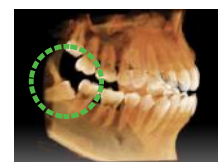
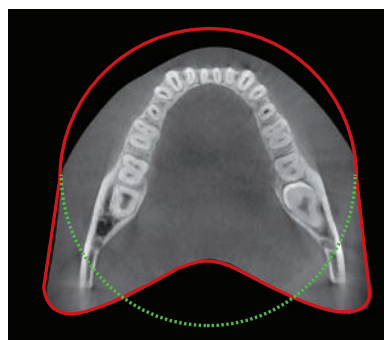


3D

*Conventional panorama mode is provided

Extended Arc Shaped Anatomical FOV (12x9 cm)

The "arch-shaped volume" eliminates the possibility of cutting down the posterior anatomy & shows the hidden dentition area.



Multi FOV options



5x5 cm

- Single / 2-3 Tooth



8x8 cm

- Central Dentition
- Full Arch Dentition



10x7 cm

- Central Dentition
- Partial Arch Dentition
- Either of TMJ (R or L)



12x9 cm

- Full Arch Dentition
- Either of TMJ (R or L)

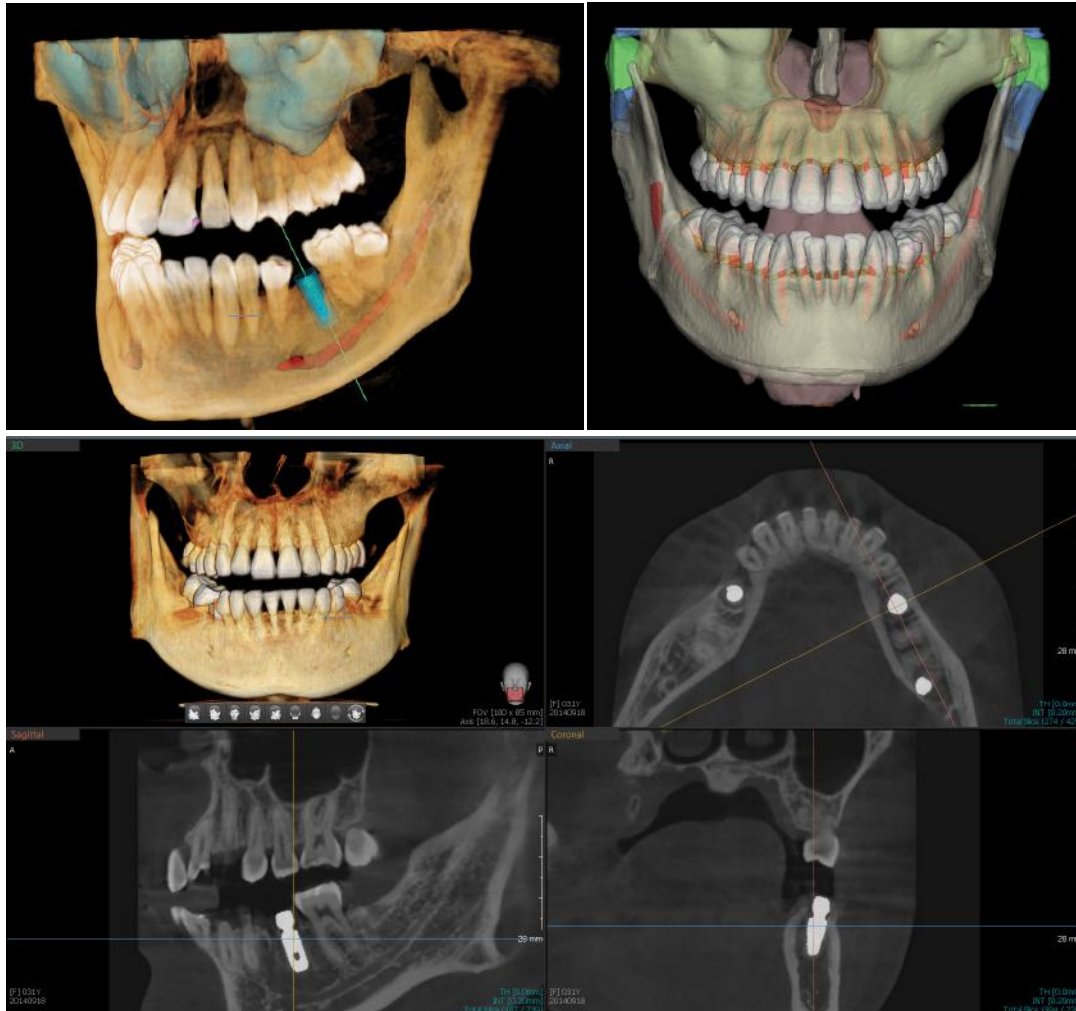
Smart Rapid Ceph Technology Minimizes Motion Artifacts

GREAT CLINICAL CARE WITH
SMART RAPID CEPH TECHNOLOGY



**1.9
sec**

Strong implant-planning workflow



The included Ez3D-i software provides AI segmentation, implant simulation, implant collision detection, 3D bone density & other diagnostic/simulation tools

Wanted to know more?
Click Below

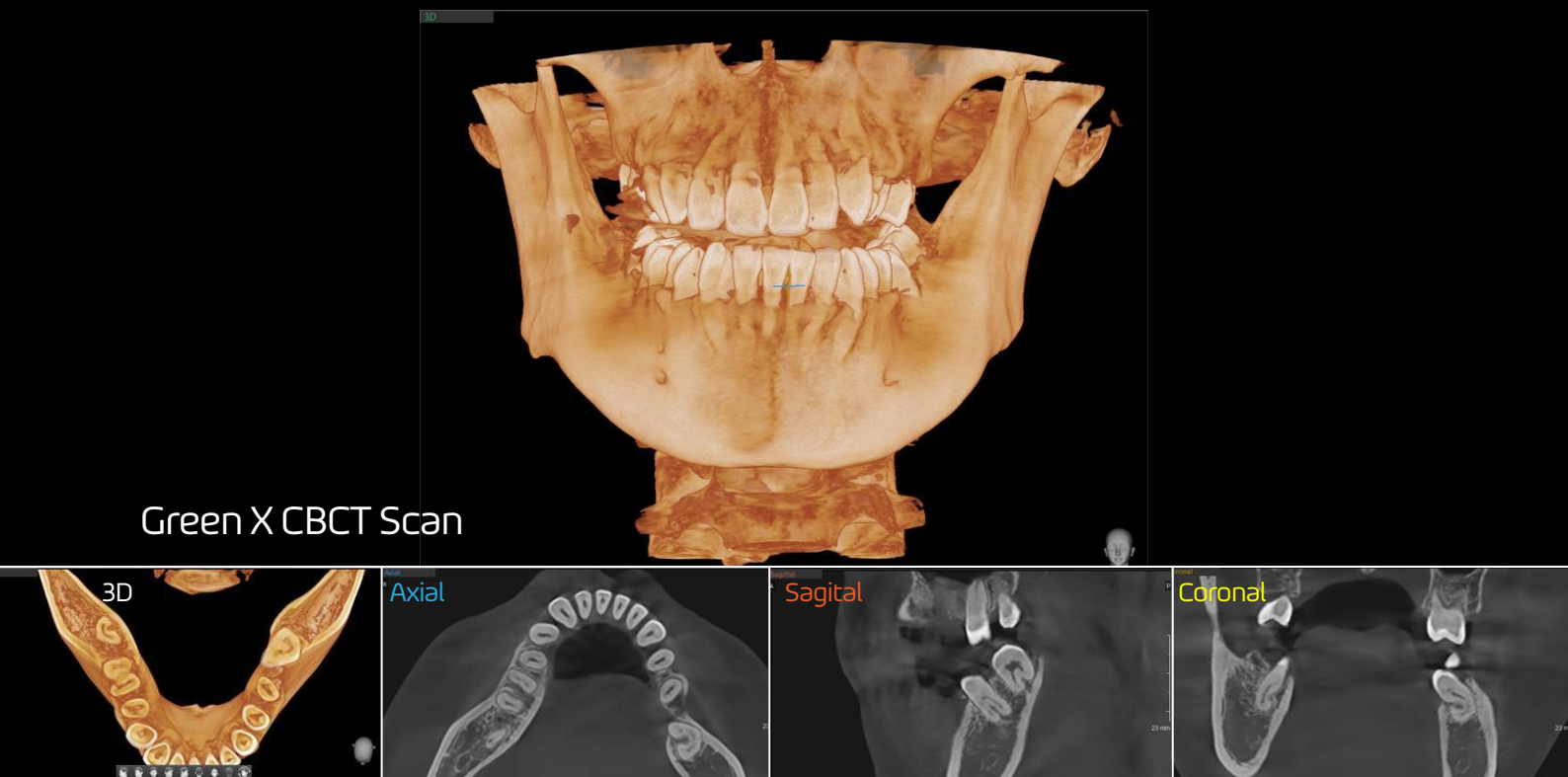


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Inside the C-Shaped Canal

What CBCT and Vatech's Ez3D-i, 3D analysis reveal about one of endodontics' most unpredictable root canal anatomies & why it changes how clinicians plan treatment



A tooth that looks unremarkable on a routine periapical radiograph can, underneath, hide one of the most technically demanding anatomies in endodontics: the C-shaped canal system. Named for the continuous, ribbon-like groove that links what would otherwise be separate canals into a single confluent space, this configuration is most common in mandibular second molars — and it is notorious for hiding fins, isthmuses and accessory canals that standard instrumentation simply cannot reach.

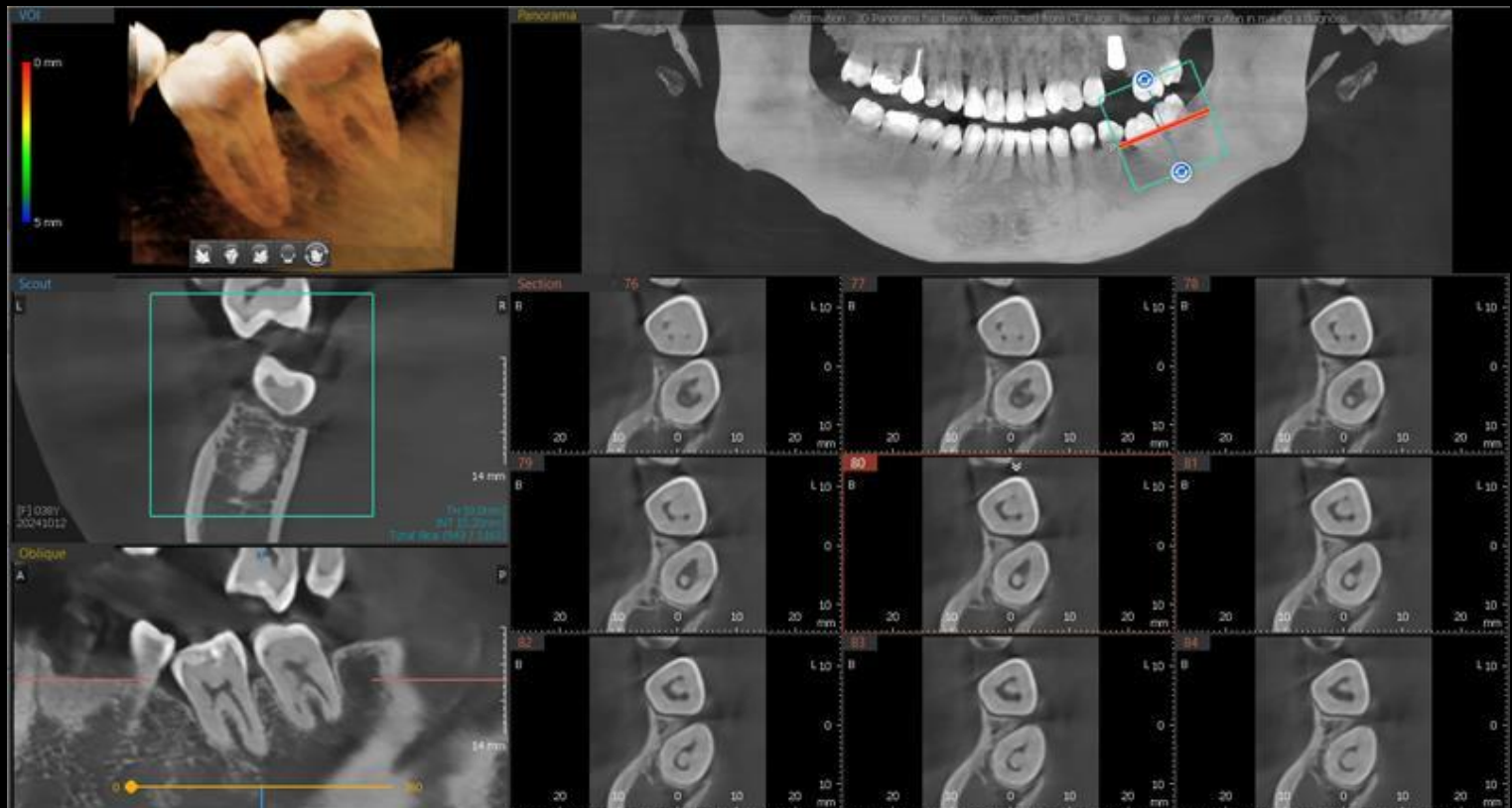
For decades, clinicians have relied on two-dimensional radiographs and clinical intuition to anticipate this anatomy before opening a tooth. But C-shaped canals are, by definition, a three-dimensional problem: their cross-sectional shape can change dramatically from the pulp chamber floor to the apex, cycling between a continuous "C," a semicolon-shaped orifice, and several discrete canals within the same root, sometimes over just a few millimetres.

This article walks through what the anatomy actually looks like, why it complicates cleaning, obturation and retreatment, and how a real case — examined live using Vatech's Ez3D-i software — shows the shape evolving from crown to apex in a single mandibular second molar and its contralateral twin.

"C-shaped canals are characterized by a continuous C-shaped groove connecting canal orifices within a single root, resulting from incomplete root fusion during development."

Anatomy, Prevalence & Classification

CBCT for Smart Professionals



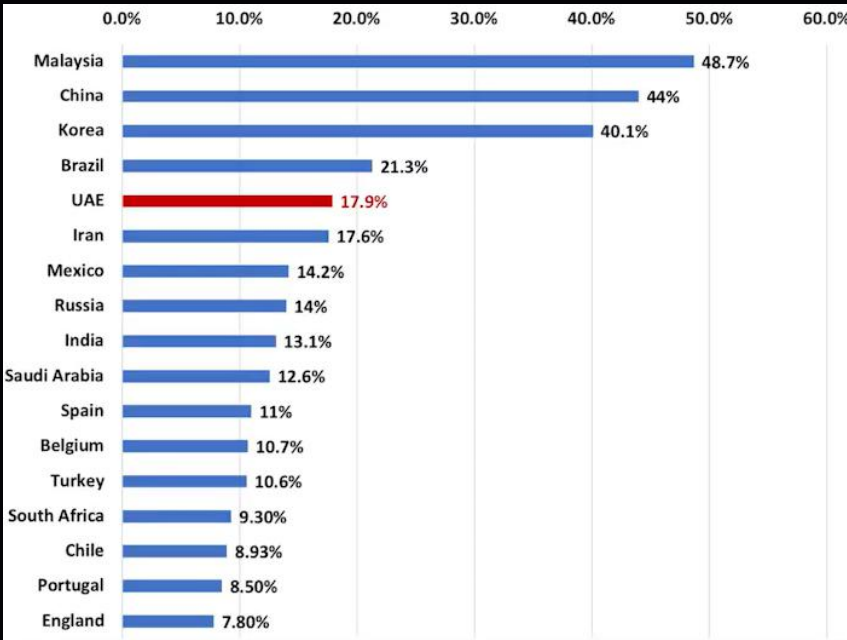
A C-shaped canal forms when the roots of a molar fail to fully separate during development, leaving a ribbon-like isthmus of pulp tissue connecting the canal orifices. Clinically, this appears as a curved or crescent-shaped opening on the pulp chamber floor rather than the two or three discrete orifices seen in a conventional molar. Radiographically, the fused root often shows a faint longitudinal radiolucent line where the canal wall is thinnest — a subtle but important clue that is easy to miss on a standard periapical film.

Who gets them, and how often

Prevalence varies enormously by population. CBCT surveys have reported C-shaped mandibular second molars in roughly 8-10% of some Western populations and up to 40-49% in East Asian groups such as Korea, China and Malaysia — a striking reminder that "typical" anatomy is population-dependent. Across most studies, the prevalence in Asian populations clusters between 35% and 55% in mandibular second molars.



Perhaps the most clinically useful finding is bilateral symmetry: one CBCT study of an Emirati population found that 71.7% of C-shaped mandibular second molars occurred bilaterally. In other words, finding the anatomy on one side of the arch makes it substantially more likely to be present on the other a detail that should prompt a closer look at the contralateral tooth during treatment planning.

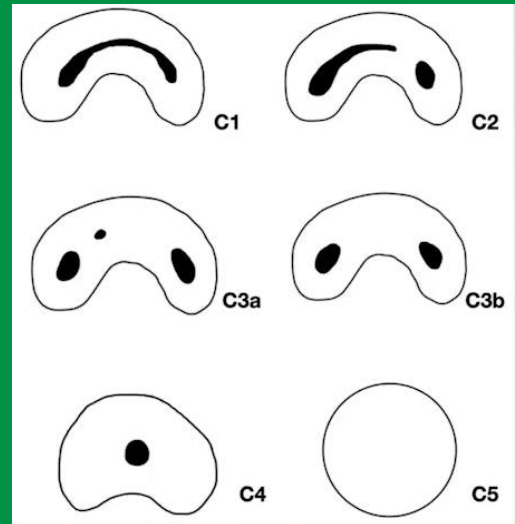


C-Shaped molar prevalence by population (CBCT)

Two classification systems clinicians rely on

Because the canal shape changes along the length of the root, researchers have developed classification systems to describe it consistently. Fan's cross-sectional classification :

- C1 — continuous, uninterrupted C-shaped canal
- C2 — semicolon-shaped orifice with a narrow connecting fin
- C3a / C3b — two or three separate canals joined by a thin isthmus
- C4 — a single, round canal
- C5 — no identifiable canal lumen at that level.



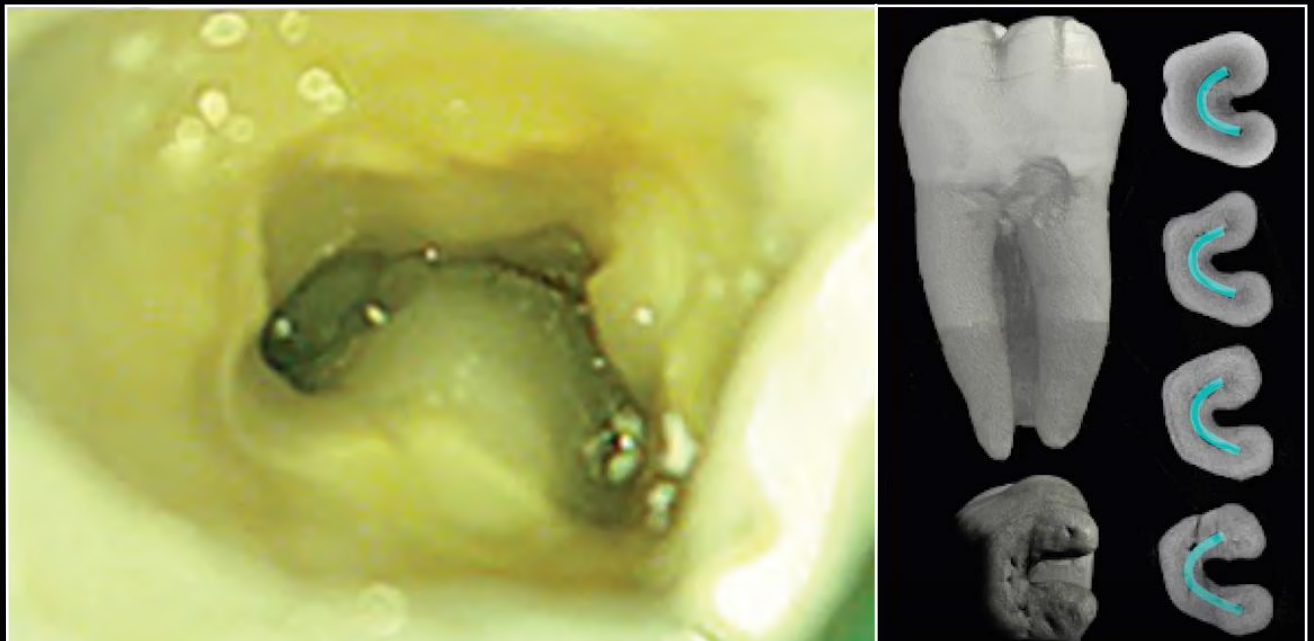
Classification of C-shaped canal configurations

Four ways C-shaped canals complicate treatment

The same anatomy that makes C-shaped canals fascinating to study makes them difficult to treat. Clinicians consistently point to four recurring problems:

- Cleaning difficulties — fins and isthmuses connecting the canals are notoriously hard to debride with standard files, leaving necrotic tissue and microorganisms behind.

- Obturation challenges — the irregular, ribbon-shaped canal space resists complete three-dimensional filling with conventional cone-fitting techniques.
- Perforation risk — thin dentinal walls, especially along the lingual groove, raise the risk of strip perforation during shaping.
- Retreatment challenge — residual filling material and hidden canal extensions make locating and cleaning missed anatomy considerably harder the second time around.

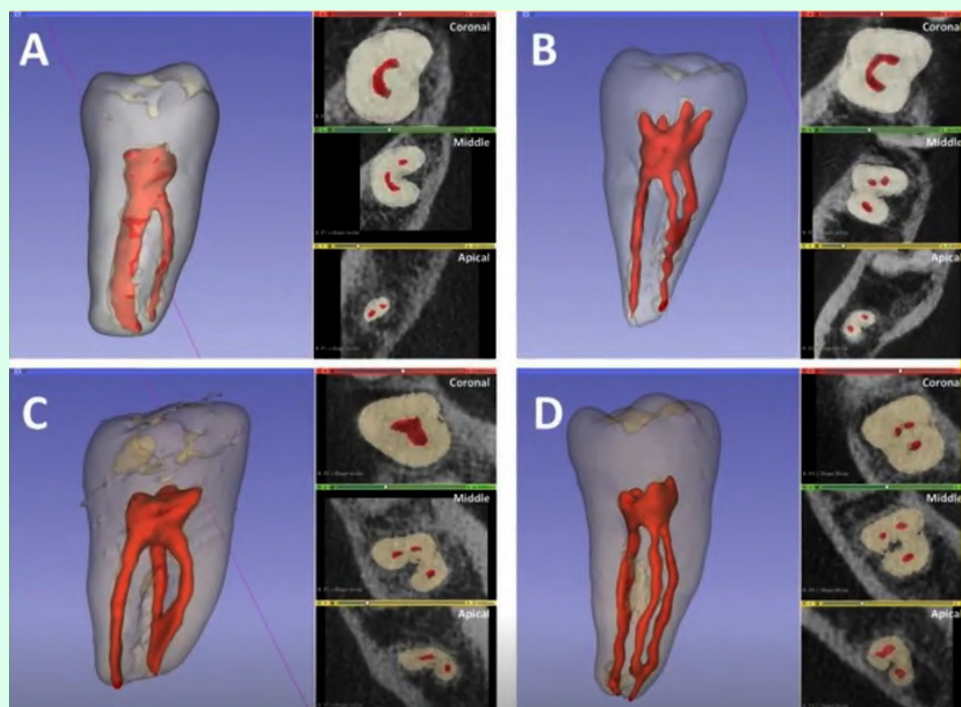


Clinical appearance of C-Shaped Canal

Why CBCT & 3D reconstruction matters here?

Unlike conventional periapical radiographs, which compress a three-dimensional root into a flat image, CBCT provides a genuinely three-dimensional assessment of the root canal system. This is particularly valuable in cases with a suspected C-shaped canal, since the subtle shape variations that define the anatomy can easily be missed on two dimensional imaging alone.

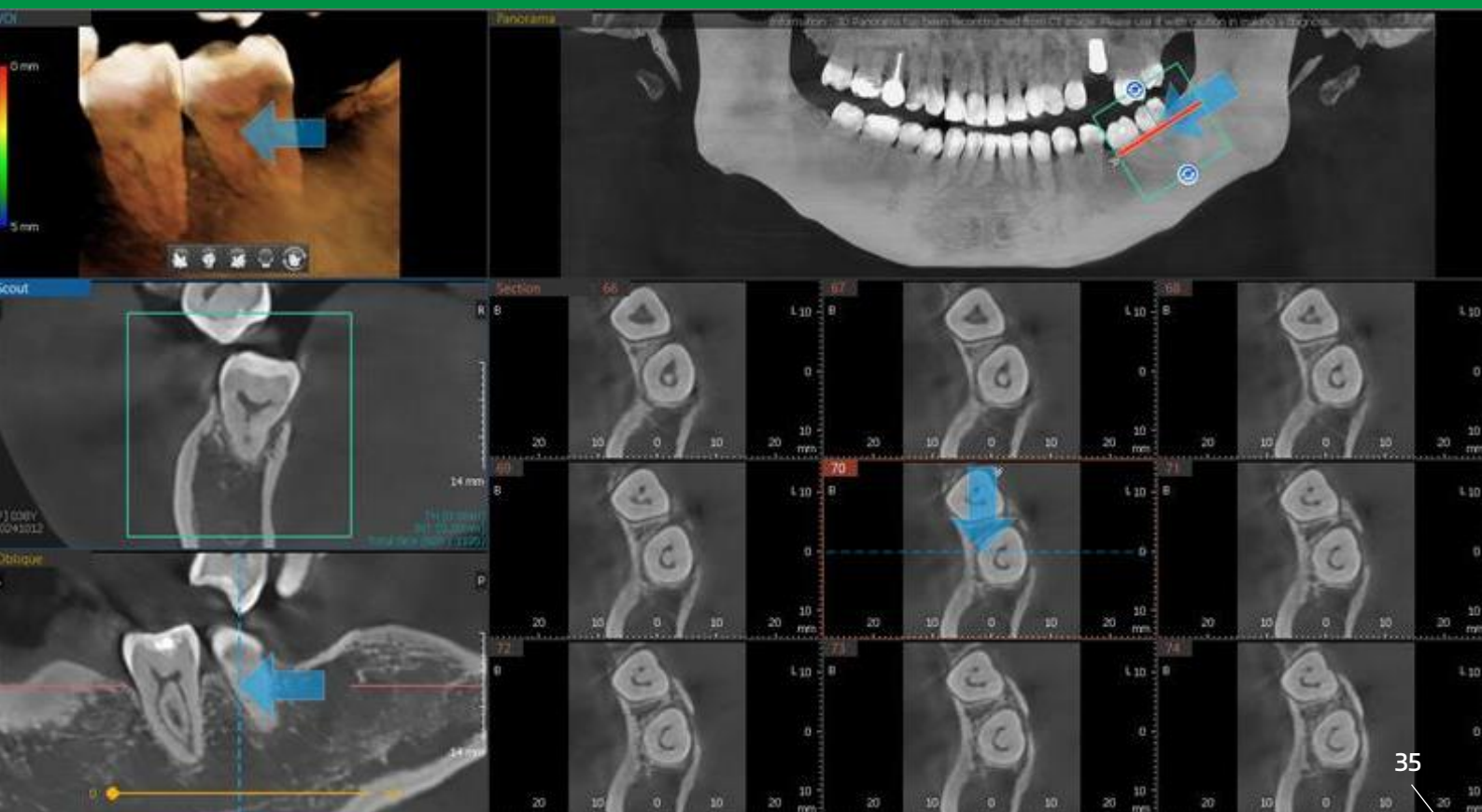
With CBCT data segmented and rendered in three dimensions, clinicians can evaluate the canal system at each root level — coronal, middle and apical — independently, rather than inferring the shape from a single flat view. That level-by-level view is exactly what makes it possible to predict the actual canal morphology before treatment even begins, which directly supports better planning and decision making at the chair.



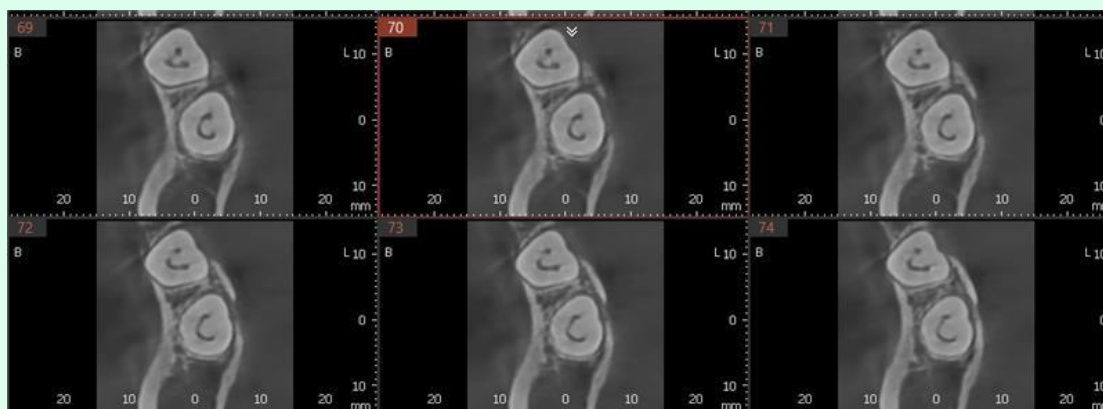
Examine: Two Mandibular Second Molars, One Shared Anatomy

Case 1 — Mandibular left second molar

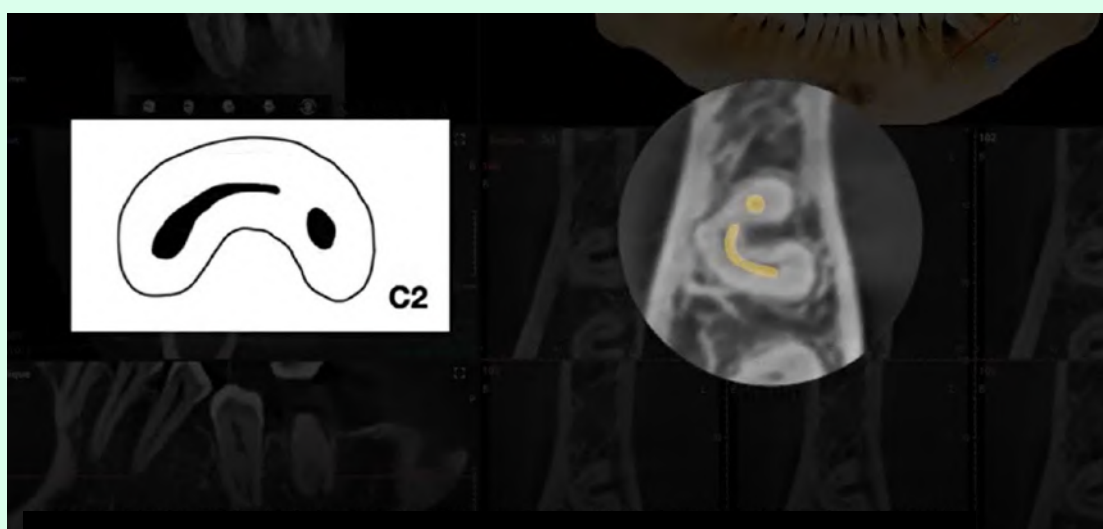
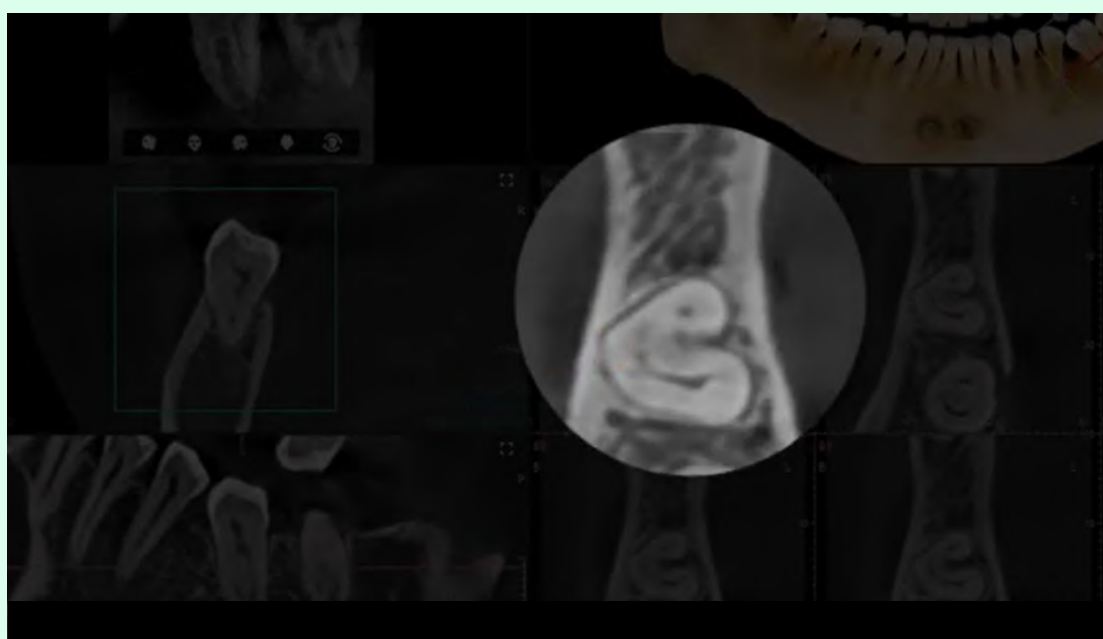
In the coronal third, the canal system presents as a typical C-shaped orifice — a continuous curved groove consistent with Fan's C1 configuration. Moving apically into the middle third, the shape transitions to a C2 configuration, showing a semicolon-shaped orifice where a thin dentinal wall separates the main C-shaped canal from a distinct mesial canal. Finally, near the apex, the previously separated canals merge again into a single main canal before exiting through the apical foramen — a classic coronal-to-apical progression from C1 to C2 back to a single confluent canal.



Case 1 — Mandibular left second molar

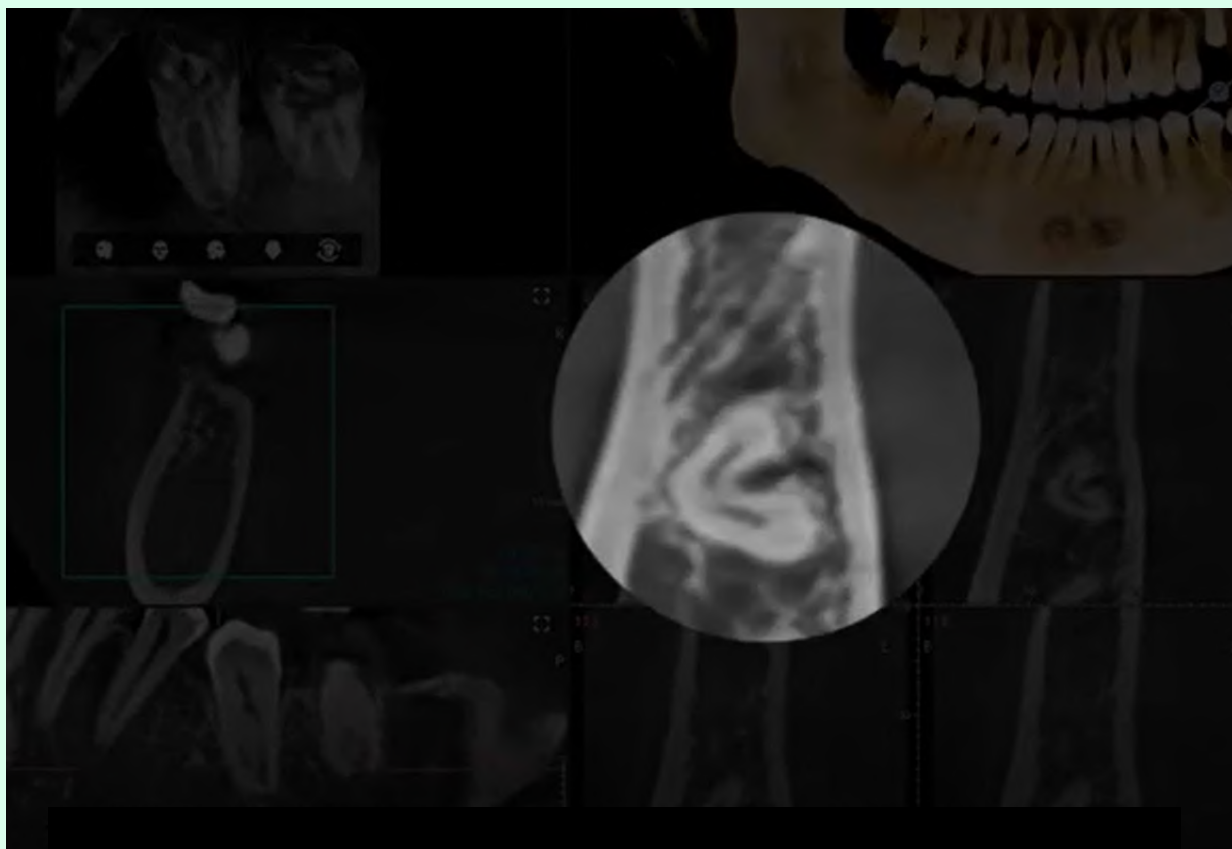


On cross-sections clear C shaped canals can be seen

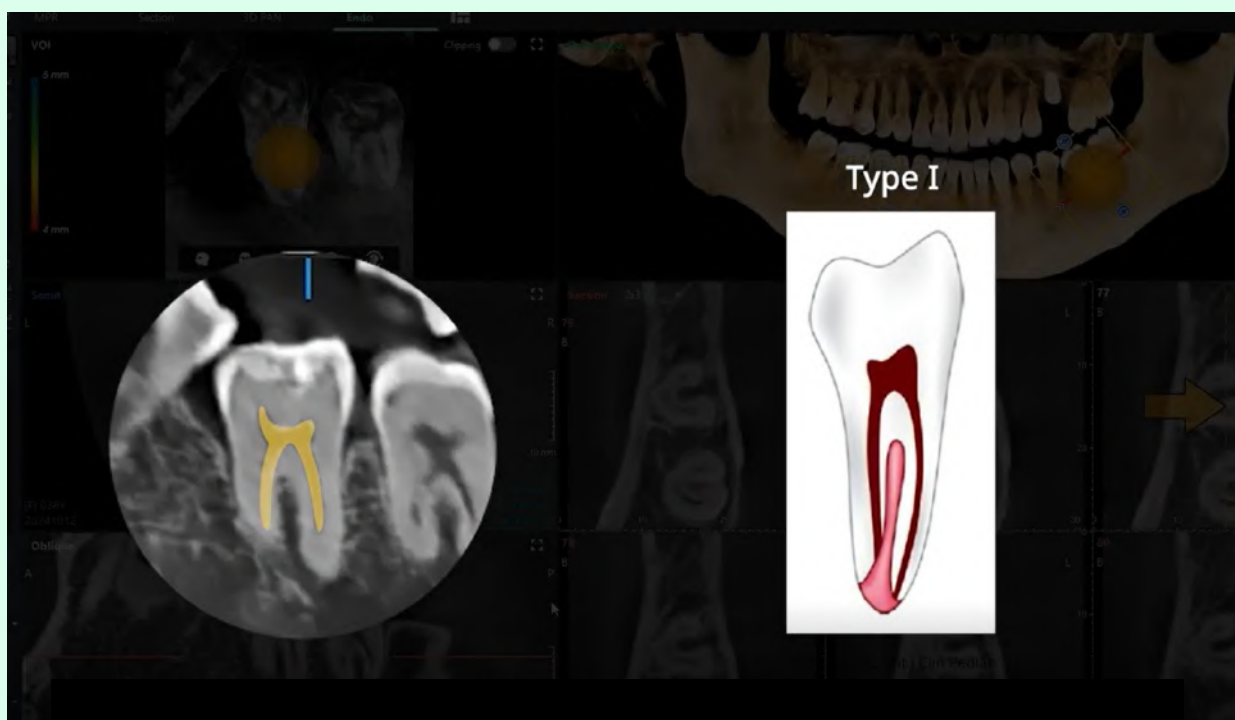


As we move to the middle third, the transitions to C2 Type, which shows a semicolon-shaped (;) orifice

Case 1 — Mandibular left second molar



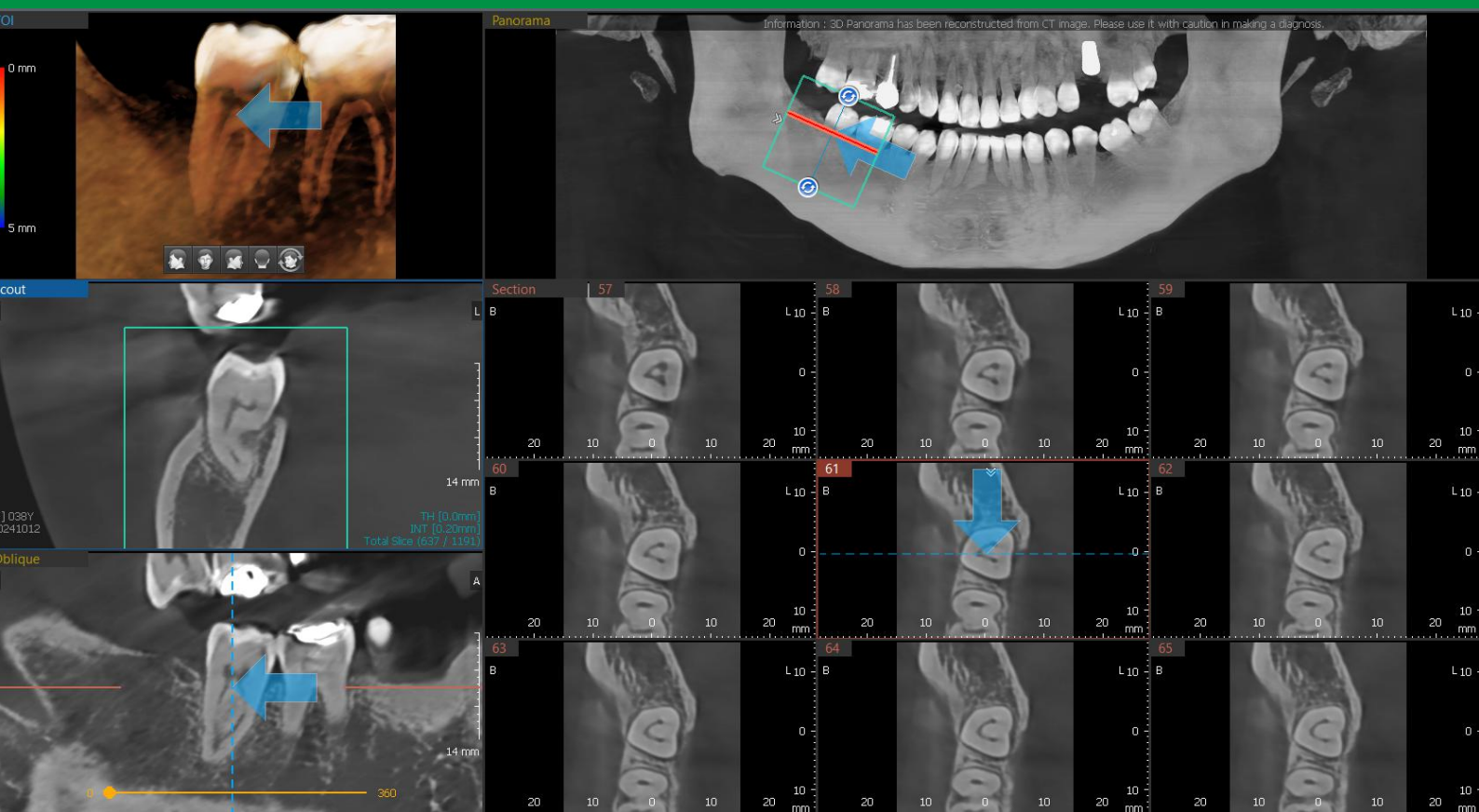
Where a thin Dentine wall separates the main C-shaped canal from a distinct Mesial canal



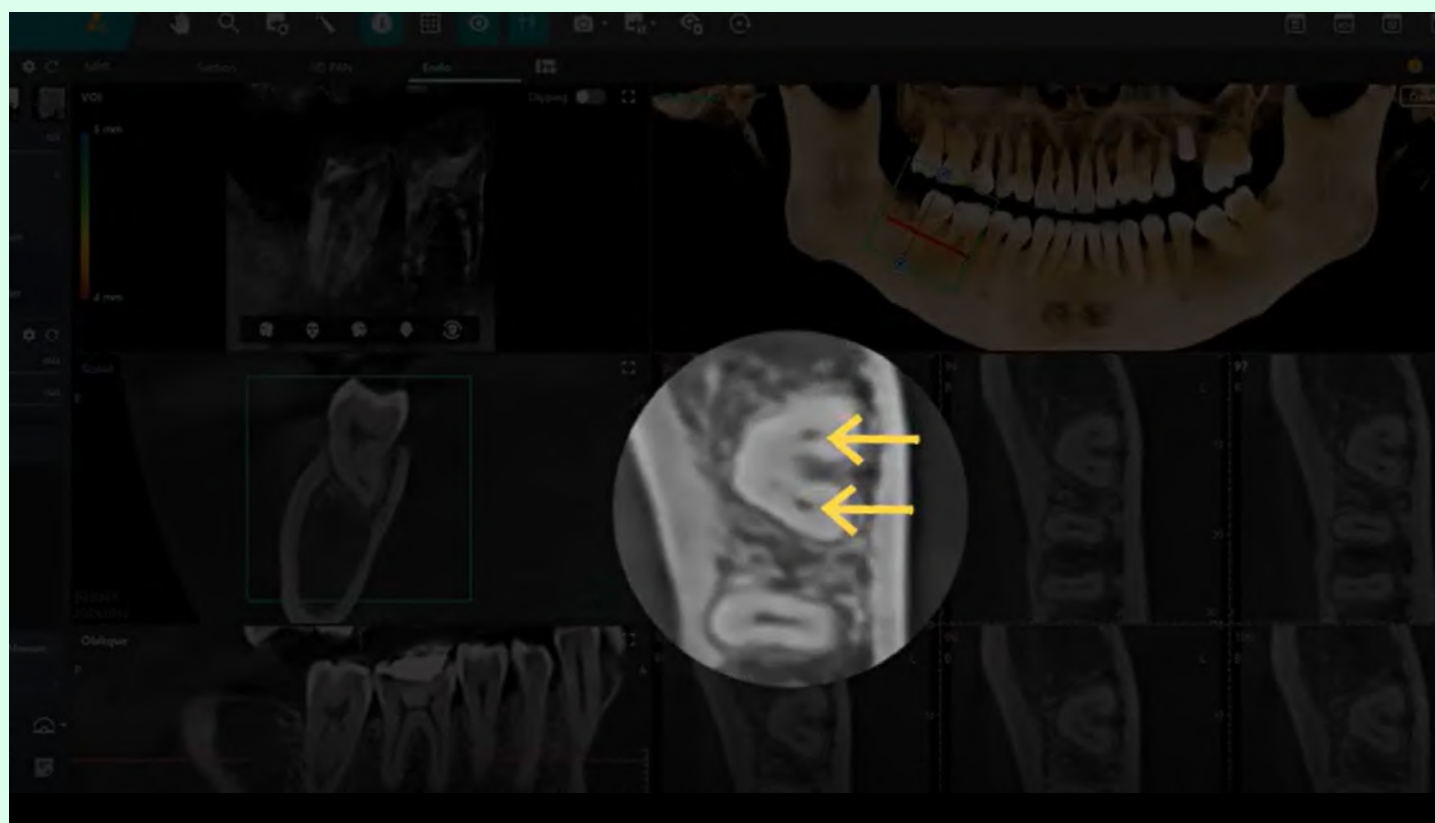
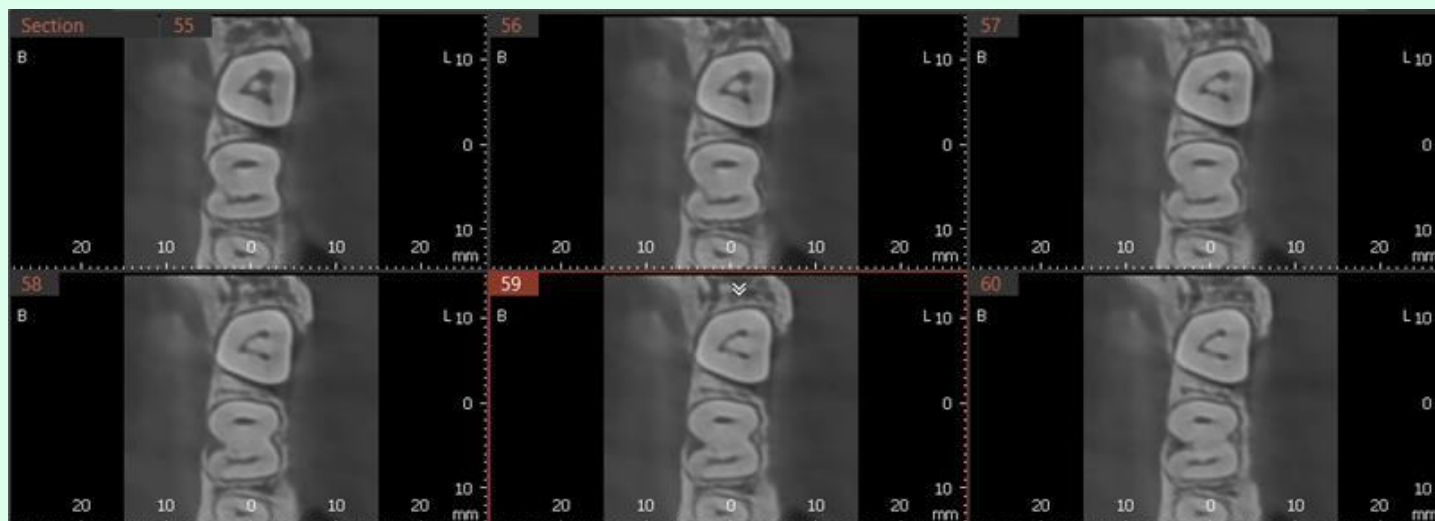
In the oblique view, this case corresponds to type I in Fan et al.'s radiographic classification

Case 2 – The contralateral molar

Examining the contralateral mandibular second molar reinforces a point raised earlier: C-shaped canals frequently occur bilaterally. In the oblique view, this second case corresponds to Type I in the radiographic classification – a conical root with a single wide canal, marked by a faint radiolucent line dividing it into mesial and distal portions. Together, the two cases demonstrate the high bilateral occurrence rate reported in the literature, and the clinical value of examining both sides of the arch once a C-shaped canal is suspected.

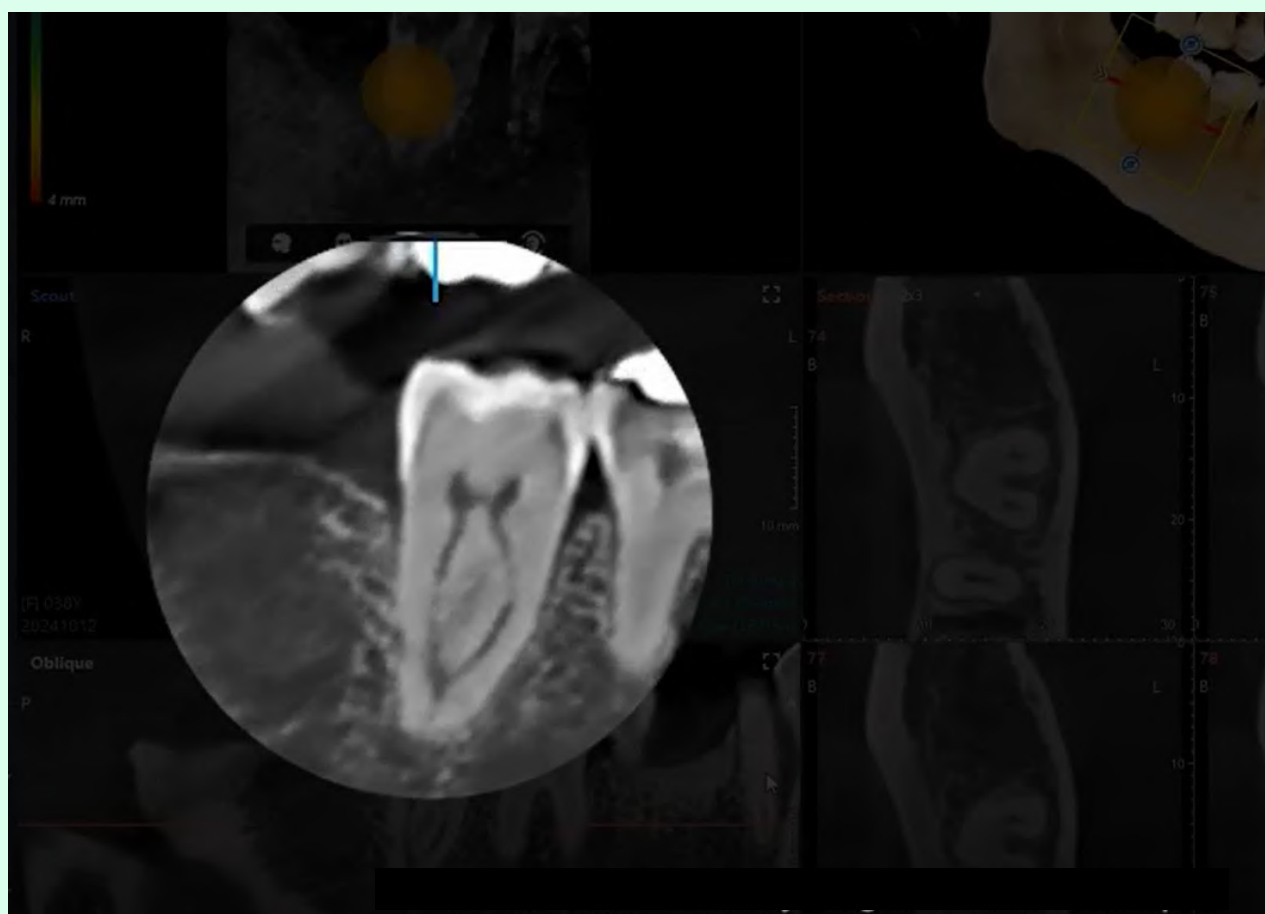


Case 2 – The contralateral molar

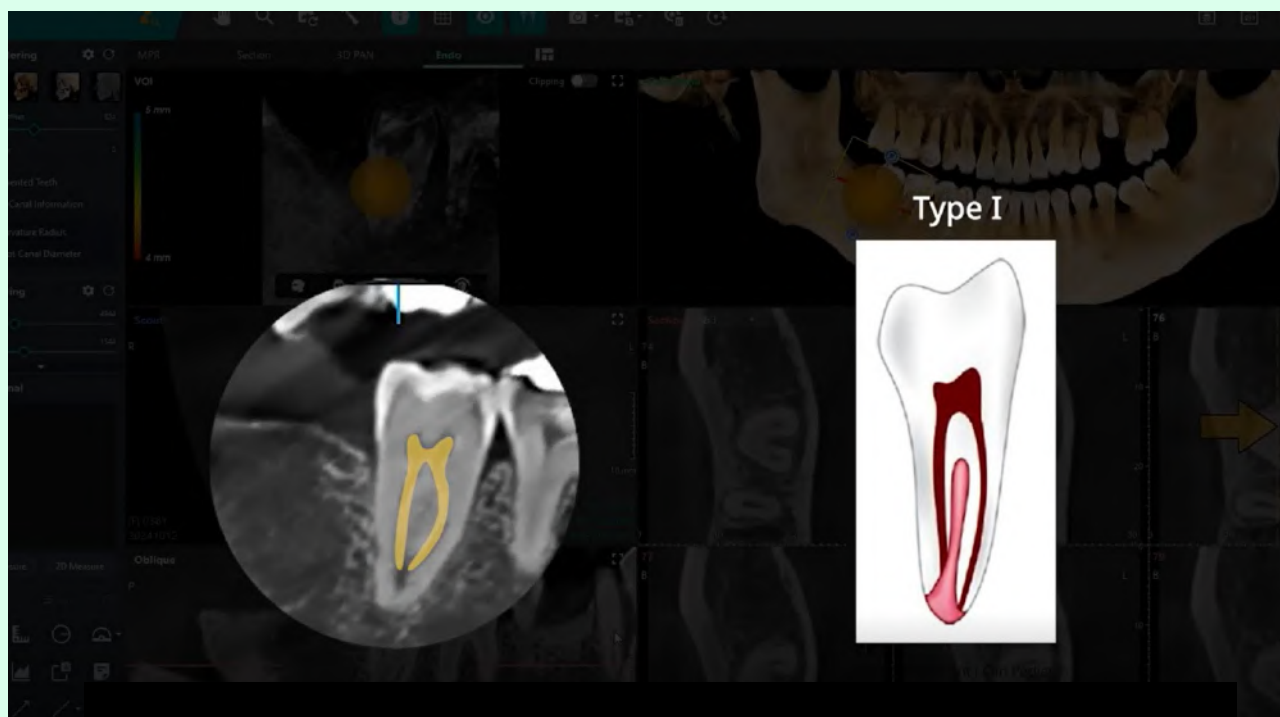


When we examine the contralateral Right Mandibular Second Molar, We observe a similar C-shaped configurations

Case 2 — The contralateral molar



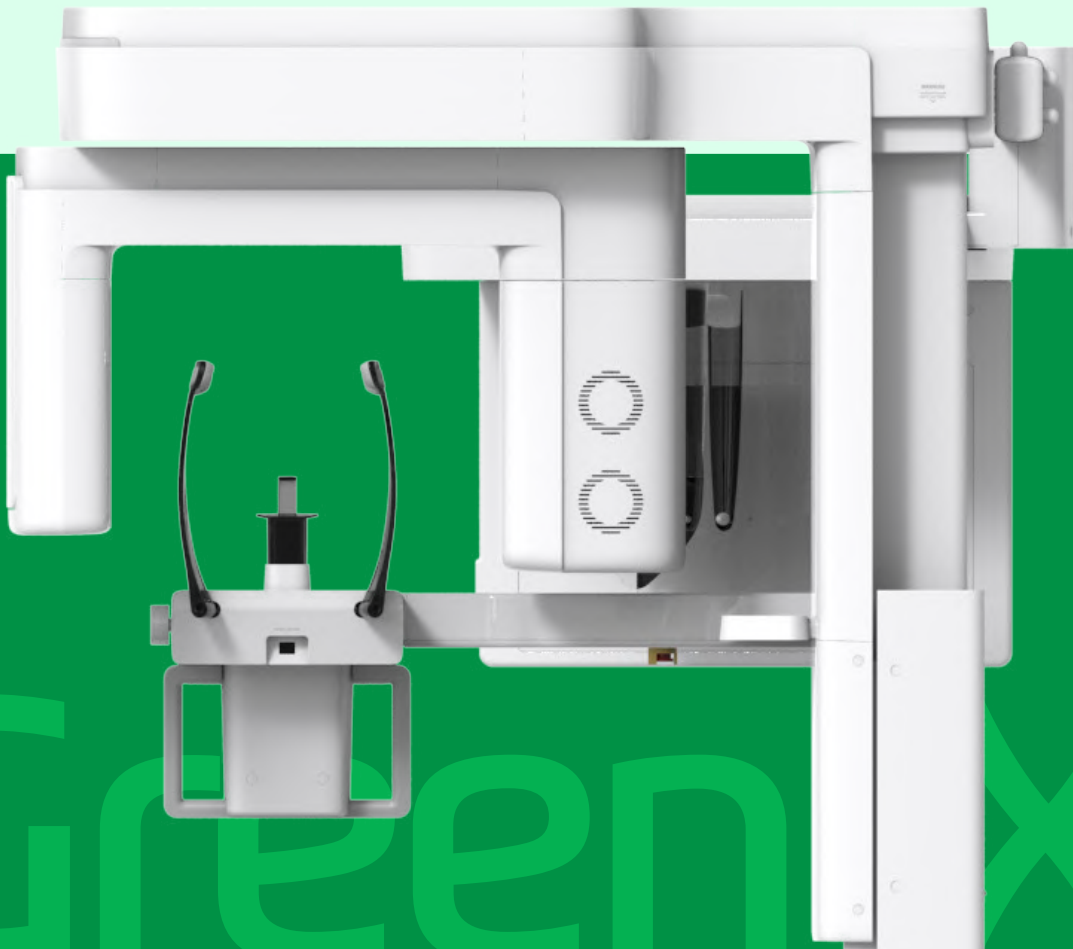
The two canals eventually merge into one near the Apex



The Contralateral side shows the same type I pattern, again highlighting the Bilateral symmetry often seen in C-shaped canal

What the Ez3D-i workflow shows

Across both cases, the Endo module's combined Scout, Oblique, multi-slice Section and panoramic VOI views let the reviewing clinician move fluidly between root levels confirming the canal configuration at each third of the root rather than relying on a single cross-section.

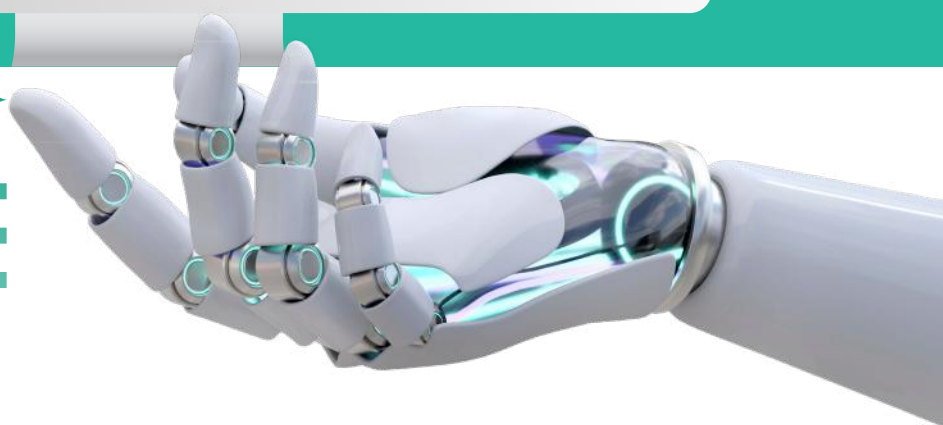
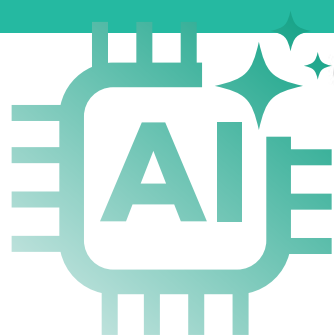
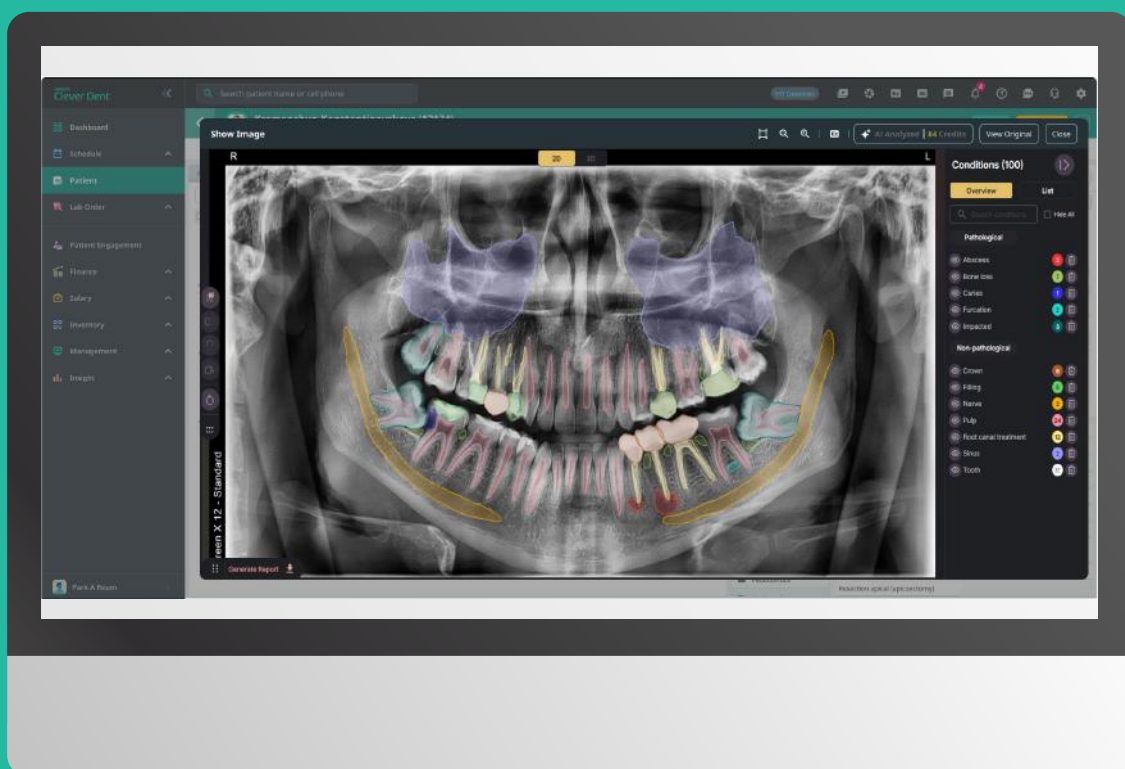


"Uncover the hidden complexities of C-shaped canals and other variations with high-resolution CBCT, ensuring precision and confidence in every procedure."

Clever Dent

Patient Management Software

Now powered by Ai

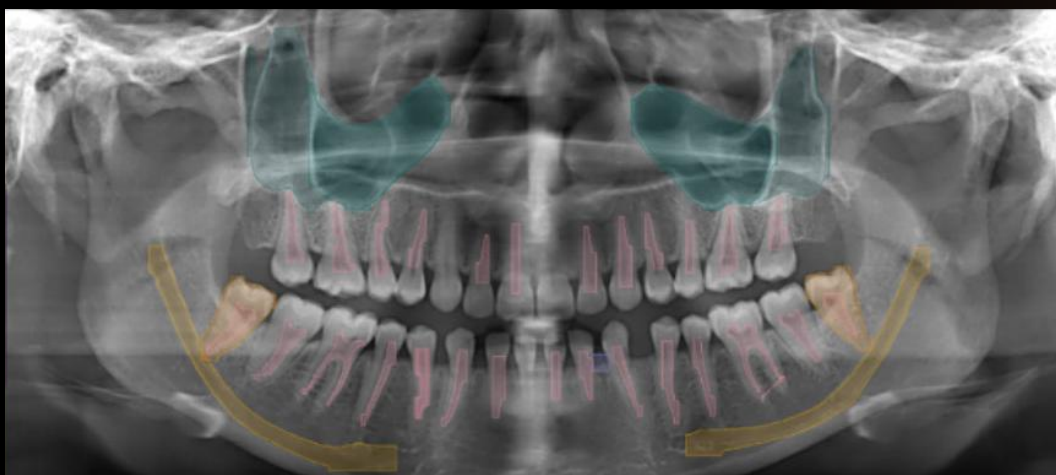


Ai won't replace dentists, but dentists using Ai will replace who don't.

Clever Dent

Patient Management Software

One-Click Analysis



Clever Dent Ai

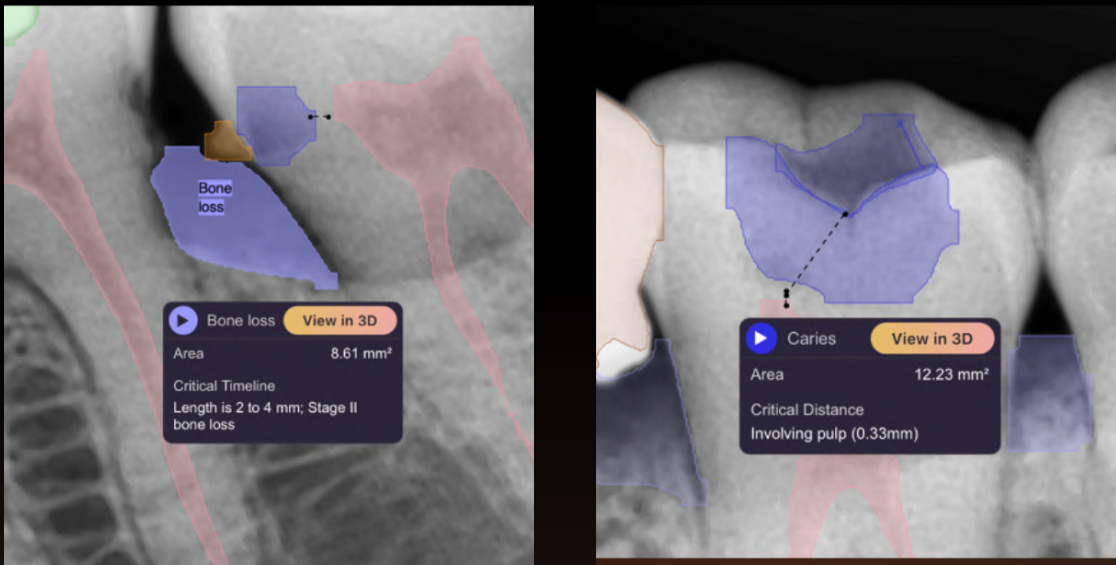
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Covering 20+ Findings



Clinical Precision with Measurement



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Patient Management Software

3D Explainer & Ai Report

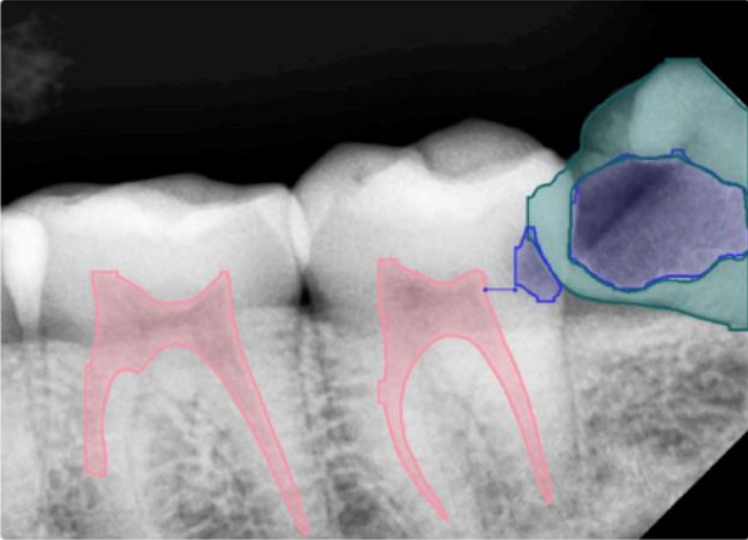
Dr. Onkar Bhawe
M.B.B.S., M.D., M.S. | Reg. No: 270988 |
Mob. No: 8983390126
Near Axis Bank, Kothrud, Pune - 411038.

Ai Xray™ Analysis

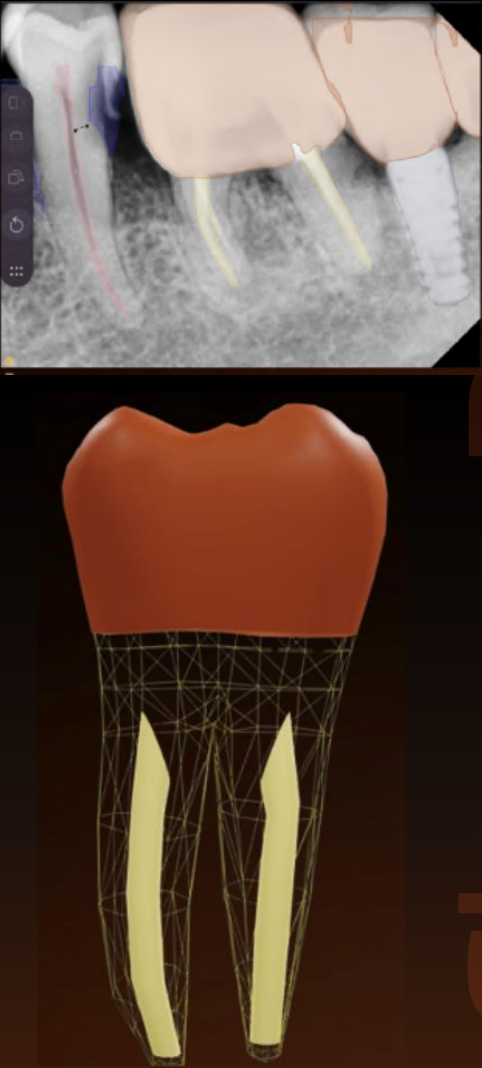
Patient Details

Patient Name	Region Of Interest	Date of Analysis	Email ID
Rahul Sharma	ABC XYZ	12 Aug 2024	rameshsingh123@gmail.com

Analyzed X ray image



Bone Loss Caries Crown Root canal treatment



Any Queries?



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