

Diagnostic and Imaging Equipment



Treatment Units



Handpieces and Instruments



Endodontic Systems



Laser Equipment



Laboratory Devices



Distributed by
J. Morita Europe GmbH
Justus-von-Liebig-Str. 27a
63128 Dietzenbach
Germany
T +49. 6074. 836 0, F +49. 6074. 836 299
www.morita.com/europe

Developed and manufactured by
J. MORITA MFG. CORP.
680 Higashihama Minami-cho, Fushimi-ku
Kyoto 612-8533
Japan
T +81. 75. 611 2141, F +81. 75. 622 4595
www.jmorita-mfg.com

Subject to technical changes and errors.
JME EN PUB 79547 0316 *3

“After all,
we can only
treat what
we can see.”

Prof. Dr. Syngcuk Kim

Thinking ahead. Focused on life.

High-resolution 3D images for precise diagnostics and reliable treatment planning

“After all, we can only treat what we can see.”

In endodontics, you have to be able to see the smallest structures if you want to understand the make-up of the root canal and root curvatures. And having the right X-ray system is vital for treatment planning and making a prognosis on healing success. This is where the Veraviewepocs 3D F40 X-ray system for panoramic, cephalometric and 3D images scores points with a resolution of more than 2 line pairs per millimeter (MTF) at 10% in recording volumes of $\varnothing 40 \times 40$ mm and $\varnothing 40 \times 80$ mm* and shows the smallest structures in brilliant recording quality: internal/external resorption, trauma cases after careful consideration, localisation of foreign bodies within the root canal system in the case of multi-root teeth and the involvement of neighboring structures prior to endodontic treatment or surgical procedures.



■ Collimation of volumes

The recording ranges of Veraviewepocs 3D F40 are perfect for endodontics – you can choose between $\varnothing 40 \times 40$ mm and $\varnothing 40 \times 80$ mm. With a resolution of more than 2 line pairs per millimeter (MTF) at 10%, the X-ray images show even the smallest structures in brilliant quality.

■ Easy 3D positioning

Whilst preparing for 3D recording, Veraviewepocs 3D F40 generates a high-resolution panorama image and sends it to the monitor where you can select the required recording range for the 3D volume and activate the 3D X-ray exposure by mouse-click.

■ Low radiation dosage

Dosage reduction program

This program reduces the effective dosage by up to 40 % in comparison to the standard program and optimizes the presentation of soft tissue. As a result, skin and sinus membrane are very easily recognizable.

Short radiation exposure time

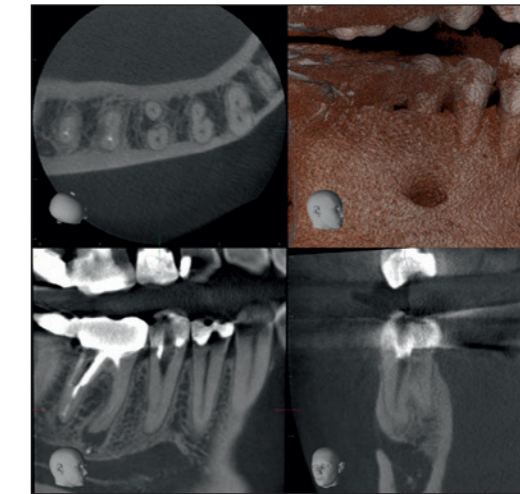
With a radiation exposure time of just 9.4 seconds, the patient is only subjected to X-ray radiation for a brief period.

Segmented panorama images

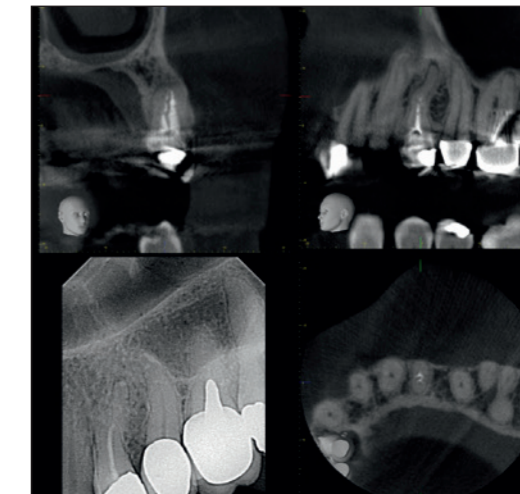
By selecting individual imaging segments, you only record the relevant areas for diagnosis and save your patient from having to face unnecessary radiation exposure.

Image layer adjustment

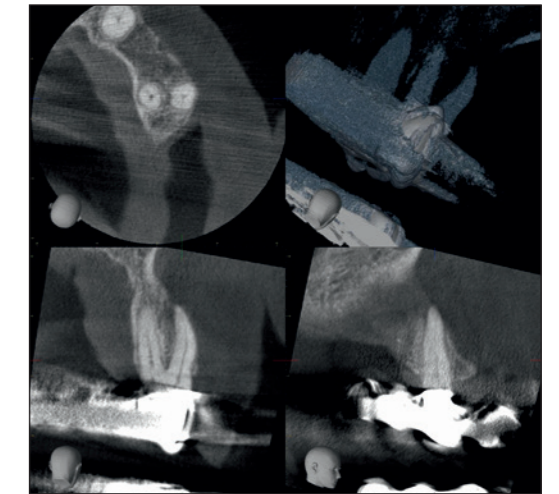
Subsequent adjustment of the image layer for panorama images is possible in order to compensate for anomalies or incorrect positioning. This function makes it possible to improve the image range for areas with differing depths as well as the surface. With this function you are able to choose between single, double or three-point adjustment.



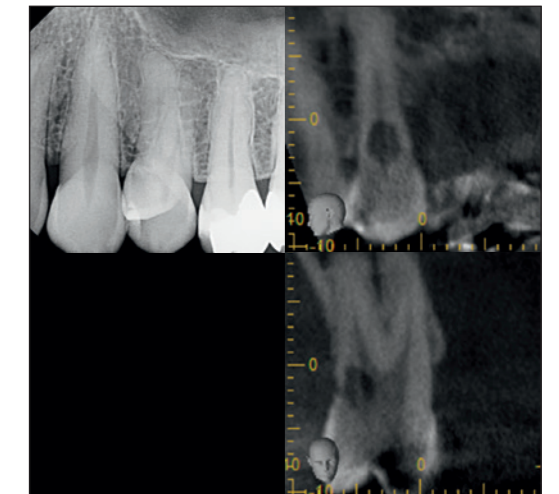
Revision of the clinically perfect root canal filling of tooth 45 by previous dentist because of lasting pain. The patient was not free from pain and therefore was referred for revision of the root canal filling 46. As a result of the previously taken CBCT, a second root 45 was discovered developing separately in lingual direction, the treatment of which led to immediate freedom from pain.



Initial X-ray image of the referring doctor shows abnormal anatomy of 24. Distinct s-form canal development with recognizable apical canal structure.



Root treatment of the strategically important prosthetic pillar 13 following unsuccessful trepanation attempt by a previous dentist. It was the CBCT that first showed that a twin-rooted premolar had shifted into the position of the cuspid in the dental arch.



Diagnostic X-ray image 24 without any particular features, sagittal cut region 24 with clearly visible resorption and transversal cut region 24.

* larger recording volumes up to Reuleaux $\varnothing 100 \times 80$ mm are possible with Veraviewepocs 3D R100

Clinical cases by kind permission of Dr. Hans-Wilhi Herrmann (Bad Kreuznach, Germany) and Oscar von Stetten (Stuttgart, Germany)