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The new AI tools for Planmeca Romexis® optimise daily tasks and boost patient communication

The new and powerful AI-based tools for Planmeca’s groundbreaking all-in-one software, Planmeca Romexis®, are now available for orders. By visualising cases better than ever before, these tools both help save time for clinicians and promote patient education and communication.

The Planmeca Romexis® software platform is a comprehensive solution for dental imaging, diagnosis and treatment planning. It supports a wide range of imaging modalities from 2D and 3D to CAD/CAM and is suitable for clinics of all sizes and specialities. The software has now been complemented with new tools for 2D and 3D imaging that harness the potential of artificial intelligence. The tools utilise AI to generate proposals, but the ultimate decision-making authority always remains with the clinician.

Romexis® Smart is an optional feature available for the Romexis 3D imaging module. It automatically segments and recognises anatomies such as the skull, soft tissue, teeth, nerves, jaws, airways and sinuses. Thanks to the new feature, the software is even easier and faster to use, and the visualisation of anatomies makes it an excellent tool for patient communication.

AI helps save time in the implant planning and implant guide design as CBCT images and intraoral scans are automatically fitted. Romexis Smart also streamlines the CMF surgery workflow: the automated jaw segmentation, nerve detection and fitting of CBCT images and intraoral scans generate time-savings and allow surgeons to focus on the essential, i.e. the surgery planning, which optimises the return on their time invested.

Additionally, segmented anatomies offer an effective means to explain treatment plans to patients. This can help patients gain a better understanding of their treatment options, which often leads to increased case acceptance rates.

The Romexis software also offers another advanced AI-based tool, which is optionally available for the 2D imaging module. As a result of a collaboration between Planmeca and Pearl, the global leader in dental AI solutions, Romexis users can now benefit from the seamless integration with Pearl’s Second Opinion® radiologic detection aid service and receive AI detections created by the service directly in Romexis.

The automatic 2D image analysis for panoramic and intraoral X-rays provides a second pair of eyes, which can help dentists make better diagnoses, boost patient communication and improve oral health outcomes. The AI analysis helps to identify signs of various dental pathologies and other treatable conditions found in dental radiographs, including hard-to-spot issues such as incipient caries or the early signs of a periapical radiolucency. Findings are highlighted in colour and text, establishing an easy-to-understand independent opinion that helps gain patient trust. This allows for timely interventions and long-term health benefits through increased patient retention.

“Artificial intelligence is not only the future but already the present of dentistry. Our unwavering commitment remains: to simplify the lives of our users and unlock value through intuitive software tools. With Planmeca Romexis, we’ve now taken this mission to new heights. By seamlessly integrating artificial intelligence, Romexis not only accelerates data analysis but also elevates precision. Clinicians can now navigate their tasks more efficiently, allowing them to focus on what truly matters – patient care,” states Helianna Puhlin-Nurminen, Vice President of Digital Imaging and Applications at Planmeca.
Planmeca Oy

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Planmeca Oy and Planmeca Group

Planmeca Oy is one of the world's leading dental equipment manufacturers, with a product range covering digital dental units, CAD/CAM solutions, world-class 2D and 3D imaging devices and comprehensive software solutions. Privately owned and headquartered in Helsinki, Finland, the company offers a portfolio of products distributed in over 120 countries worldwide. Planmeca Oy is part of the Finnish Planmeca Group, which consists of several healthcare technology brands, each committed to innovation and design. With 4,600 employees worldwide, Planmeca Group companies achieved a combined turnover of EUR 1.2 billion in 2022.

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