Dentsply Sirona and Siemens Healthineers present joint research project in magnetic resonance imaging (MRI) for dentistry

The first "Scientific Symposium on ddMRI (dental-dedicated MRI)”: Dentsply Sirona and Siemens Healthineers presented initial research results to a university audience in Bensheim, Germany, at the end of April 2023.

Charlotte, N.C., May 4, 2023. Innovation in dental diagnostics: Dentsply Sirona and Siemens Healthineers have joined forces to explore the scientific introduction of MRI in dentistry. For the first time, researchers, and leading scientists from North American and European universities along with representatives from Dentsply Sirona and Siemens Healthineers presented the current status of the joint research project for the use of MRI in the dental environment at the "Scientific Symposium on ddMRI" in Bensheim, Germany. Participants also gained valuable insights into initial case studies. As part of this scientific partnership, the two companies are working closely with renowned dental universities worldwide to broaden the awareness of advantages of magnetic resonance imaging in oral diagnostics and to jointly advance the current state of dental care.

"Working with ddMRI has opened many new possibilities regarding how much can be achieved in dentomaxillofacial diagnostics. It adds value to the previously established imaging modalities and starts a new field of research for the coming years. I believe fully integrating this innovation into the dental clinic routine will be very straightforward," says Associate Professor Rubens Spin-Neto, DDS, PhD, dr. odont., Department of Dentistry and Oral Health, Section for Oral Radiology, Aarhus University, based on his experience thus far with ddMRI in the research project.

With the increasing demands on dentists and physicians to combine oral and general health aspects, new imaging techniques are gaining importance that have greater sensitivity in detecting early stages of disease, and inflammatory processes. This potentially opens new interdisciplinary fields of research between oral and systemic health.

"The possibility to use MRI for dentistry represents a new milestone in oral diagnostics and a connecting technology between oral and general health care that can make history," says Max Milz, Group Vice President Digital Platforms & Solutions at Dentsply Sirona. "We are therefore pleased to evaluate all options together with Siemens Healthineers and to share scientific and technological expertise."

"It is our dedication to bring MRI where it has not been used before. Therefore, we are excited to advance into new clinical territory and to explore the value of MRI in the dental field with Dentsply Sirona. Our MRI systems which are designed to flexibly fit new clinical areas are the ideal

About Dentsply Sirona:
Dentsply Sirona is the world’s largest manufacturer of professional dental products and technologies, with over a century of innovation and service to the dental industry and patients worldwide. Dentsply Sirona develops, manufactures, and markets a comprehensive solutions offering including dental and oral health products as well as other consumable medical devices under a strong portfolio of world class brands. Dentsply Sirona’s products provide innovative, high-quality and effective solutions to advance patient care and deliver better and safer dental care. Dentsply Sirona’s headquarter is located in Charlotte, North Carolina. The company’s shares are listed in the United States on NASDAQ under the symbol XRAY. Visit www.dentsplysirona.com for more information about Dentsply Sirona and its products.
basis for this endeavor. We look forward to working with the world's leading dental educational institutions to break the boundaries of preventive and curative dentistry," says Arthur Kaindl, Head of Magnetic Resonance at Siemens Healthineers.

Siemens Healthineers is committed to enabling physicians to detect diseases earlier and provide more effective therapies, ultimately improving patient care. As the market leader in magnetic resonance imaging, the company harnesses the full potential of digital technologies such as artificial intelligence to deliver outstanding image quality while minimizing examination time. Learn more about Siemens Healthineers: www.siemens-healthineers.com

Together with its partners, Dentsply Sirona enables dental professionals around the world to deliver world-class dental care to millions of patients – for healthy smiles. Dentsply Sirona sees its mission in transforming dentistry to improve oral health worldwide. Visit www.dentsplysirona.com for more information about Dentsply Sirona.
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are available for > Download on the website.

Fig. 1: Dentsply Sirona and Siemens Healthineers present joint research project in magnetic resonance imaging (MRI) for dentistry.

Fig. 2: Associate Professor Rubens Spin-Neto, DDS, PhD, dr. odont., Department of Dentistry and Oral Health, Section for Oral Radiology, Aarhus University

Fig. 3: Max Milz, Group Vice President Digital Platforms & Solutions at Dentsply Sirona

Fig. 4: Arthur Kaindl, Head of Magnetic Resonance at Siemens Healthineers

Fig. 5: (left to right) @Scientific Symposium ddMRI: Max Milz, Dentsply Sirona, Arthur Kaindl, Siemens Healthineers, Associate Professor Rubens Spin-Neto, Aarhus University