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SunniRay Sensors Achieve Maximal Image Quality with Minimal Exposure

Recent study affirms Sunni sensors capture diagnostic images with lowest exposure levels

San Jose, Jan 8, 2013—A recent University of Texas evaluation of the imaging properties of 20 intraoral digital systems found that the SunniRay Digital Radiography System captures diagnostic-quality dental X-rays using the least amount of radiation. In a comparison between the 20 intraoral digital systems, the SunniRay's 0.38 optimal exposure was tied with two other sensors as the lowest. Among those two sensors, the SunniRay had the highest spatial resolution and contrast/detail detectability. This means that the SunniRay's ability to capture high-quality diagnostic X-rays while maintaining the lowest radiation exposure levels is unmatched in the industry.

The SunniRay System is designed to strike the perfect balance between exceptional image quality and optimal exposure, and the University of Texas study is proof of its success. As strong proponents of the ALARA Principle (As Low As Reasonably Achievable), Sunni engineers its sensors to achieve maximal image quality while maintaining minimal radiation exposure. "This study just validates our efforts to build a perfectly balanced sensor," said Paul Tucker, CEO of Sunni.

The study also stressed the importance of contrast/detail detectability in intraoral imaging systems—another area the SunniRay excelled in—citing a previous study that found contrast resolution to be the most desired characteristic in a new sensor. Sunni's proprietary sensor technology allows the SunniRay to capture high-resolution images at the lowest optimal exposure levels of any sensor on the market. "It's important that a sensor finds the right ratio between resolution and contrast," said Arya Azimi, Director of Marketing. "We've designed our sensors so that we can achieve both high spatial-resolution and high contrast-ratio, without sacrificing one for the other."

About Suni Medical Imaging

Suni Medical Imaging has been designing and manufacturing digital sensors for over 17 years and is the only Silicon Valley manufacturer of Digital Radiography Systems in the U.S. Headquartered in San Jose, CA, Suni manufactures and delivers high-quality digital radiography sensors under the SuniRay brand. For more information, call 1-800-GET-SUNI or visit www.suni.com.