



Imalogix: The Leader in Image Quality Assessment

Imalogix, as the industry leader in image quality assessment, is the perfect partner to support your facility in achieving CMS's ambitious objectives for enhanced image quality.

The Focus on Quality

CMS is actively contemplating the incorporation of new metrics aimed at enhancing CT image quality. Despite this progressive initiative, numerous hospitals are currently facing challenges in effectively evaluating image quality throughout their entire clinical practice.

Enter Imalogix - a renowned company celebrated for its exceptional radiation dose management expertise, which has now emerged as the unrivaled industry leader in image quality assessment. Boasting a distinguished team of image quality experts, a comprehensive suite of cutting-edge tools, and an unwavering commitment to advancing the science of image quality, Imalogix goes above and beyond mere dose management, offering a holistic and indispensable solution for driving healthcare improvement.

The Image Quality Experts

Imalogix boasts an exemplary roster of image quality experts, featuring luminaries such as Olav Christianson, serving as Vice President of Clinical Strategy, and Dr. Ehsan Samei, esteemed as the Chief Scientific Advisor. Their groundbreaking paper on quantifying the Global Noise Level in clinical CT images has earned widespread acclaim as the cornerstone of this domain¹. So much so, that the CMS proposed image quality metrics are firmly founded on the pioneering technique they introduced. Continuously pushing the boundaries, Christianson and Samei have authored numerous papers on related topics, solidifying their unrivaled expertise in the field of image quality assessment²⁻⁴. Their contributions have undeniably positioned them as foremost authorities in this ever-evolving realm.

Revolutionizing Image Quality Assessment

Imalogix empowers healthcare professionals with an array of powerful tools designed to assess and enhance image quality across a diverse range of parameters. Going above and beyond traditional dose management solutions, its comprehensive software suite equips users to thoroughly evaluate and optimize performance in critical areas, including:

- Global noise level (CMS proposed image quality metric)
- Patient centering

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- Localizer usage
- Protocol deviation
- Pediatric performance

With Imalogix's cutting-edge technology, healthcare providers gain invaluable insights and capabilities to elevate their practices and deliver the highest standards of care in these essential aspects of medical imaging.

Advancing the Science of Image Quality

Imalogix is entirely dedicated to advancing healthcare by unlocking novel and unique insights from imaging data. One of its notable initiatives is the Duke University Imalogix fellowship coupled with the Imalogix Research Institute. Through this initiative Imalogix facilitates unprecedented research using imaging data from hundreds of participating hospitals, thereby fostering the development of cutting-edge image quality tools for the future⁵⁻¹⁰. The primary objective of these innovative methods is to delve into the measurement and optimization of clinically important aspects of image quality, including resolution, texture, and contrast. By pushing the boundaries of understanding, Imalogix is revolutionizing the way healthcare professionals utilize imaging data, ultimately enhancing patient care and outcomes.

Beyond Dose Management: A Tool for Healthcare Improvement

By combining cutting-edge technology, world-class expertise, and an unwavering focus on patient safety, Imalogix has set new standards for image quality assessment in medical imaging. The software's multifaceted capabilities enables healthcare providers to optimize imaging protocols, enhance diagnostic accuracy, reduce radiation exposure, and ultimately improve patient care. Imalogix transcends the boundaries of mere dose monitoring software, emerging as a powerful instrument for driving transformative healthcare improvement.

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