Intrinsic Imaging Publishes Results of Artificial Intelligence (AI) Pivotal Study in the American Journal of Roentgenology

Pivotal breast cancer detection device study published in AJR reports improved reading time while maintaining interpretation performance.

Bolton, MA / San Antonio, TX

Bolton, MA / San Antonio, TX — June 25, 2018 — Intrinsic Imaging, a full-service medical imaging core lab, announces today that the manuscript from the pivotal trial of a novel breast cancer detection medical device has been published in a leading radiology journal, American Journal of Roentgenology (AJR).

The publication is titled: “Concurrent Computer-Aided Detection Improves Reading Time of Digital Breast Tomosynthesis and Maintains Interpretation Performance in a Multi-Reader Multi-Case (MRMC) Study”. Dr. Richard Benedikt, Intrinsic Imaging’s Vice President and Section Head of Artificial Intelligence (AI) was the lead author.

This pivotal trial revealed that the concurrent use of this CAD product with digital breast tomosynthesis (DBT) significantly improved reading time, while maintaining reader performance. Data from this MRMC study was presented at multiple international conferences and was submitted in support of FDA clearance of this novel AI breast cancer detection software.

“I anticipate that continuous improvements in software algorithms will increase the accuracy, clinical usefulness, and reader efficiency in DBT interpretations, all of which are goals of artificial intelligence (AI) and deep learning (DL) software development.” said Dr. Benedikt.

Intrinsic Imaging is the world leader in conducting complex multi-reader multi-case trials to assess the clinical performance of medical devices using artificial intelligence (AI), deep learning (DL), and computer assisted detection (CAD) software. Intrinsic Imaging has successfully supported its clients in over 15 MRMC AI trials leading to several FDA and CE regulatory clearances.

About Richard Benedikt, MD, MBA

Dr. Richard Benedikt is a board-certified radiologist at Intrinsic Imaging. He completed his Diagnostic Radiology residency at Walter Reed Army Medical Center. He has served as Chief of Thoracic Imaging and Chief of Ultrasound at Brooke Army Medical Center. Dr. Benedikt was previously a research fellow at McLean Hospital (Harvard Medical School) and has participated in clinical trials for over 35 years. He is the author or coauthor of over 20 publications. He is a manuscript reviewer for two major radiology journals: JACR and AJR (CME Consulting Editor and Distinguished Reviewer).

About Intrinsic Imaging, LLC

Intrinsic Imaging is an ISO certified medical imaging CRO and imaging core lab providing comprehensive services in support of Phase I-IV clinical trials and Class I, II, III medical device trials. Intrinsic Imaging is also a world leader in conducting Artificial Intelligence studies. With its team of more than 650 board-certified and fellowship-trained physicians, Intrinsic Imaging’s team has sub-specialization in all therapeutic areas, including Cardiovascular, Central Nervous System,Gastroenterology, Musculoskeletal, Oncology and Ophthalmology. Certified by the British Standards Institution (BSI), Intrinsic Imaging is the only company in the world to hold five ISO certifications specifically for providing imaging core lab services on clinical trials. For more information, please visit www.IntrinsicImaging.com.

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