VisionSR

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For information, contact:
Dr. David J. Vining
dvining@visionsr.com

VisionSR finalizes licensing agreement with MD Anderson Cancer Center for multimedia structured reporting technology

HOUSTON, TX – April 7, 2015 --- VisionSR, a medical software company, announced that it has licensed an advanced multimedia structured reporting technology from The University of Texas MD Anderson Cancer Center designed to advance the practice of diagnostic radiology. The technology has the potential to create personalized health records, support clinical trial management, and facilitate big data applications.

ViSion™ works by capturing key diagnostic images and radiologists' voice descriptions, tagging the images with terminology describing anatomical locations and radiological diagnoses, and assembling a multimedia structured report with these data. The system provides a means to link image findings from serial exams to generate disease timelines for each specific site of disease.

ViSion integrates additional medical information to create a "lifetime medical" graph depicting a patient's major medical events as icons overlaid on an interactive timeline. By clicking on an event, information in a patient's records about specific medical events is made readily available, according to founder and chief executive officer Dr. David Vining.

"The system is applicable to any image-based medical specialty, including radiology, pathology, cardiology, gastroenterology, dermatology and the like," he said. "It is tedious and time consuming for radiologists and other physicians to painstakingly review a complex medical record that may contain numerous imaging studies, laboratory and pathology results, photographs, surgical reports, and treatment records of a patient who has cancer, been badly injured, or has a chronic disease such as cardiovascular disease. ViSion simplifies the process of accessing this data by presenting it in an easy-to-comprehend visual format."

In addition to offering the potential to improve the accuracy and efficiency of radiology reporting, ViSion can aggregate quantitative metrics from serial radiological studies to automate disease response criteria, such as the Response Evaluation Criteria in Solid Tumors (RECIST). ViSion offers a means to data mine information contained in these disease timelines and lifetime graphs to yield outcomes in patient cohorts.

Prototype versions of the ViSion software designed to run in parallel with any PACS or advanced imaging system have been demonstrated in exhibits at recent meetings of the Radiological Society of North America (RSNA). Dr. Vining most recently delivered presentations about the ViSion system at the RSNA 2014 annual meeting and at the 2015 European Congress of Radiology (ECR) held in Vienna last month.

Dr. Vining has been involved in the development of structured reporting software since 1999, when he founded PointDx, the first multimedia structured reporting software company to launch a commercial product. PointDx was demonstrated at the 2003 RSNA, where it was integrated with Stentor PACS and IDX RIS. IDX acquired the company in 2004, and IDX in turn was acquired by GE Healthcare in 2005.