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Artificial Intelligence an extra set of eyes for Radiologists at RMI

For many of us, the thought of Artificial Intelligence (AI) conjures up notions of computers and robots taking over the world. We fear what we do not know. In medicine, however, AI's impact is anything but scary.

Quite the contrary. Today, AI is an enhancement supplementing medicine's most advanced technology. In the field of Radiology, it is rapidly becoming a valued asset to Radiologists reading and interpreting patient images.

"Less than five years ago, there were only a handful of FDA approved AI algorithms available to the medical field," says Dr. Randy Hicks, Owner and CEO at Regional Medical Imaging (RMI). "Today, there are nearly 400 in the field of Radiology alone. The next closest discipline is Cardiology with 58. We have been using AI at RMI for more than five years with great success. Particularly as it relates to Breast Cancer Screening, AI offers an additional interpretation of the images for the Radiologists to use as a problem-solving tool, resulting in improvement in our ability to identify mammographic abnormalities and ultimately cancer. Discovering cancer early allows our patients to begin treatment sooner leading to better long-term outcomes."

According to Hicks, AI can be trained using thousands or tens of thousands of images that show the various presentations of a specific disease, such as ischemic and hemorrhagic stroke, specific cancers, breast density or coronary artery plaque morphology. Most of the radiology applications focus on specific subspecialty imaging, such as brain, breast, cardiac, lung and stroke imaging.

"As it relates to medicine, and in particular Radiology, Artificial Intelligence is always there, and it is intuitively brilliant as an adjunct to our Radiologists," Dr. Hicks adds. "It makes us even better at what we do. At RMI our goal is to be the best we can be and with AI assisting we feel we are just that. Ultimately, it is our patients who benefit."

About Regional Medical Imaging

Regional Medical Imaging (RMI) is Michigan's largest outpatient imaging organization with two centers in Flint, and centers in Fenton, Grand Blanc, Davison, Lapeer, Novi, Royal Oak, Southgate and Petoskey. Founded in 1985, RMI is committed to personal attention and respect for patients in a convenient, clean, comfortable setting. The motto "Our family taking care of your family" is the core philosophy of RMI. The company, nationally recognized for excellence, strives to lead and innovate in the field of diagnostic and interventional radiology. To learn more, please visit