



Mosaic Clinical Technologies™ Acquires Cognita Imaging Inc., Pioneering Next Phase of Radiology Intelligence at Scale

Acquisition unites Cognita's proven AI foundation models, Mosaic's enterprise technology and RP's scale of 4,000+ radiologists and 55+ million annual imaging studies to power a new era of radiology intelligence

Cognita emerges from stealth with validated AI that reduces major diagnostic errors, increases detection rates and empowers faster, more accurate results for patients

(NASHVILLE, Tenn., AND PALO ALTO, Calif.) Nov. 17, 2025 – Amid an acute and worsening

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info@radpartners.com



global shortage of radiologists, driven by rising imaging demand, limited residency growth and accelerated workforce attrition, [Mosaic Clinical Technologies™](#) (Mosaic), the technology and AI services division of [Radiology Partners](#) (RP), announced the acquisition of [Cognita Imaging Inc.](#) Cognita is a pioneer in vision language models purpose-built for radiology. The combination brings together Mosaic's enterprise-scale operating system, MosaicOS™, and Cognita's cutting edge AI technology and expertise to accelerate development of next-generation tools that expand clinical capacity, improve diagnostic accuracy and enhance patient care.

"The next era of radiology will be defined by the convergence of clinical expertise and advanced technology," said Rich Whitney, CEO of Mosaic and RP. "With imaging demand rising much faster than radiologist supply, the combination of Mosaic and Cognita strengthens our ability to transform how care is delivered—improving accuracy, accelerating time-to-diagnose and expanding access to high-quality imaging. Together, we aim to deliver better outcomes for patients and health systems at scale, while equipping radiologists with the tools to deliver faster, more precise care, while mitigating clinician burnout."

Cognita powers Mosaic Drafting™¹ and announces early results underscoring strong performance on X-ray and CT

Cognita's proprietary vision language models power *Mosaic Drafting™*, an AI solution that analyzes X-rays and head CTs and drafts preliminary results for physicians to review and confirm. Tested through preliminary reader studies and large-scale retrospective validation across more than 100 radiologists and 95,000 X-rays and head CTs, *Mosaic Drafting™* has already demonstrated the potential power of human-AI collaboration in healthcare. Early X-ray (chest, musculoskeletal and abdominal) and CT (head) results show meaningful gains in accuracy, efficiency and radiologist satisfaction:

- **Up to 52% increased detection rates** with radiologist-AI collaboration, including high impact conditions such as cancer, brain hemorrhage, bone infection and lung collapse across supported modalities and anatomies.
- **Up to fourfold reduction in significant diagnostic errors** with AI-generated results compared to radiologist-only interpretations.
- **Radiologist read-time savings up to 76%.**
- **High acceptance among radiologists** with 87-98% of AI-generated results requiring one or fewer clinically significant edits.

These findings highlight the models' ability to meaningfully enhance diagnostic accuracy, reduce variability and expand clinical capacity, all while keeping radiologists firmly in control of diagnostic decision making. Cognita's vision language models are advancing through large-scale, independent Institutional Review Board (IRB)-approved trials as part of the pathway to FDA authorization.

“Nearly half of the world’s population has limited or no access to basic diagnostics,” said Louis Blankemeier, CEO of Cognita. “Cognita is committed to accelerating access to imaging care across the world, and joining forces with Mosaic allows us to apply our technology at scale for impact while preserving the cutting-edge technology development, rapid innovation and best-in-class AI talent that defines our company. We’re excited to continue growing a world-class AI engineering team as we bring the next generation of AI-powered tools into widespread clinical practice as part of the MosaicOS™ platform.”

“After more than a decade of advancing AI in radiology, we are finally seeing a breakthrough with potential to address the severe global radiology capacity crisis,” said [Dr. Nina Kottler](#), Chief Medical AI Officer for Mosaic Clinical Technologies™. “Cognita’s foundation models integrated with Mosaic’s platform create a human-plus-AI framework where technology not only expands radiologist capacity but also materially enhances clinical performance. These tools are delivering results unlike anything we’ve seen before, all while radiologists maintain full oversight and accountability.”

“This is an important step forward in medical imaging technology,” said Dan Sheeran, Vice President, Healthcare and Life Sciences at [Amazon Web Services](#) (AWS). “By combining Mosaic’s enterprise-grade technology platform, Cognita’s advanced AI capabilities and expertise—trained and deployed on AWS infrastructure—we see meaningful progress in helping solve some of the toughest challenges radiologists face today.”

Cognita, led by co-founders Drs. [Louis Blankemeier](#), [Zhihong Chen](#) and [Akshay Chaudhari](#), will operate as an independent business unit, maintaining its AI focus. Joining Mosaic and RP provides access to diverse clinical data for rigorous real-world validation, deep clinical practice expertise and the long-term capital needed for continued model development, training and regulatory authorization. It also enables seamless integration of Cognita’s AI with MosaicOS™, unlocking capabilities and scale that neither could achieve alone.

This announcement marks Cognita’s emergence from stealth, following more than a year of development and validation in partnership with RP. Cognita is expanding its team to accelerate AI development and deployment. Exceptional engineers who want to impact tens of millions of patients can contact Cognita at talent@cognita.ai.

Mosaic Clinical Technologies™ is actively expanding commercial availability of MosaicOS™, bringing next-generation radiology technology to hospitals, health systems and imaging centers nationwide with certain components pending FDA authorization. Interested customers and commercial partners can learn more about Mosaic Clinical Technologies™ and MosaicOS™ by contacting info@MosaicClinical.ai.

Learn more about solutions available from Mosaic Clinical Technologies™ and Cognita AI’s

multi-modal foundation models during [2025 Radiological Society of North America \(RSNA\)](#) held Nov. 30 - Dec. 4 at McCormick Place in Chicago.

- **North Hall #7108:** Visit the RP and Mosaic booth to learn more about MosaicOS™, a fully cloud-native and AI-native operating system that seamlessly merges diagnostic technologies.
- **South Hall #4148:** Visit the AWS booth to see a demonstration of *Mosaic Drafting*™, powered by Cognita's multimodal foundation models and deployed via AWS cloud services.
- **South Hall #1136:** Connect with RP radiologists to learn what it's like to practice with the leading, technology-enabled practice in the country.

¹ *CAUTION: Investigational device. Limited by United States law to investigational use.*

About Mosaic Clinical Technologies™ and MosaicOS™

[Mosaic Clinical Technologies](#)™, the technology services division of [Radiology Partners](#) (RP), is powering the future of radiology through MosaicOS™—a proprietary imaging management platform designed to meet the specialty's most pressing challenges. A fully cloud-native and AI-native operating system, MosaicOS™ is where innovation meets impact, seamlessly integrating diagnostic technologies, AI-powered tools and smart workflows into a single scalable solution. Mosaic Clinical Technologies™ supports RP's national network of affiliated practices and commercial partners across the imaging landscape, redefining what is possible in enterprise imaging. Connect with us on [LinkedIn](#). Contact us at info@MosaicClinical.ai.

About Cognita Imaging Inc.

[Cognita](#) is a healthcare AI company with a mission to increase the world's access to healthcare. To achieve this, Cognita's initial focus is on expanding the capacity and quality of radiology by developing comprehensive AI solutions that help radiologists work more accurately, efficiently, and with greater satisfaction. Cognita combines breakthrough AI innovation with Mosaic Clinical Technologies'™ radiology infrastructure solutions and the enterprise scale of Radiology Partners, whose network of over 4,000 radiologists performs more than 55 million imaging studies annually. Connect with us on [LinkedIn](#) and reach out to us at info@cognita.ai.

About Radiology Partners

Radiology Partners, through its affiliated practices, is the leading technology-enabled radiology practice in the U.S., serving more than 3,400 hospitals and other healthcare facilities with high quality radiology, technology and artificial intelligence solutions. As a physician-led and physician-owned practice, our mission is to transform radiology by innovating across clinical value, technology, service and economics, while elevating the role of radiology and radiologists in healthcare. Using a proven

healthcare services model, Radiology Partners provides consistent, high-quality care to patients, while delivering enhanced value to the hospitals, clinics, imaging centers and referring physicians we serve. Learn more at radpartners.com and connect with us on [LinkedIn](#), [X](#), [Instagram](#) and [YouTube](#).

Media Contacts

Sheila Biggs

sbiggs@jarrardinc.com