RSNA
Radiological Society of North America

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NEWS

RSNA Leads in Medical Imaging AI Innovation

The Radiological Society of North America (RSNA) is a trusted source at the forefront of the practical and ethical application of artificial intelligence (AI) in medical imaging.

Radiology, more than any medical specialty, is positioned to maximize the strengths of AI to improve patient care. Through a first-of-its-kind AI certificate program, renowned peer-reviewed journals, cutting-edge research, world-class education and ground truth data, RSNA leads the specialty in AI innovation.

The RSNA Imaging AI Certificate Program—the first-ever radiology-specific AI certificate program—blends a case-based curriculum with practical application and delivers a pathway for all radiologists to understand how to leverage AI for their practices and careers.

RSNA's peer-reviewed journal, *Radiology: Artificial Intelligence*, highlights emerging AI research in the field of imaging across multiple disciplines. The journal also hosts a collection of Data Resources articles (published online since 2019), as well as other collections providing guidance in the use of AI in radiology practice.

RSNA's AI Challenges spur the creation of AI tools for radiology to improve patient care.

The RSNA Medical Imaging Resource for AI (MIRA) data repository provides annotated medical imaging datasets to support research in medical imaging, focusing on artificial intelligence. MIRA datasets were assembled for RSNA's ongoing series of AI challenge competitions. They are made available at no cost for non-commercial research.

RSNA's AI Community allows imaging professionals and AI researchers to connect and discuss AI advances and challenges, while RSNA's comprehensive education program offers in-person and online AI learning opportunities throughout the year.

RSNA 2025 AI HIGHLIGHTS

RSNA 2025 is the prime destination to immerse yourself in AI innovation, explore the latest technologies at the AI Showcase and broaden your knowledge in a multitude of sessions, courses, presentations and hands-on labs spotlighting AI and machine learning applications.

AI Showcase
The AI Showcase is the center of all the latest imaging AI technology at RSNA 2024. Connect with industry leaders and visit more than 100 exhibitor booths to see new products and technical solutions in action. Located within the showcase is the AI Theater, where attendees can view daily industry presentations from companies highlighting innovations that point to the future of AI.

Radiology Reimagined Demo
"Radiology Reimagined: AI, innovation and interoperability in practice," features a demonstration of new AI technologies and integration standards needed to embed AI into the diagnostic radiology workflow. The interactive exhibit, located within the AI Showcase, will enable attendees to introduce and scale AI into their radiology practices.

RSNA AI Challenge Recognition Event
A recognition event will be held Dec. 1, 4 – 5 p.m. in the AI Theater for the teams who submitted the highest-scoring algorithms during the 2025 RSNA Intracranial Aneurysm Detection AI Challenge.

The challenge, developed in collaboration with the American Society of Neuroradiology (ASNR), the European Society of Neuroradiology (ESNR) and the Society of Neurointerventional Surgery (SNIS), focuses on AI-assisted detection and localization of intracranial aneurysms.

In an effort to further AI research and initiatives, RSNA has led AI Challenges since 2015. Using curated data, these challenges serve to improve the efficiency and accuracy of AI capabilities in radiology and help assess how AI tools will perform in clinical settings.

RSNA Ventures/Rad AI Presentations and Demos
RSNA Ventures, a mission-aligned subsidiary created to drive innovation in radiology and imaging technologies, has partnered with Rad AI, the leader in generative AI for healthcare, to deliver RSNA's trusted peer-reviewed knowledge directly into radiologists' daily workflow via Rad AI Reporting. Presentations and demonstrations of Rad AI Reporting will be held at the Discovery Theater on Monday, Dec. 1, at 3 p.m. and at the AI Theater on Tuesday, Dec. 2, at 4:30 p.m.