RSNA®
Radiological Society of North America

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NEWS

RSNA 2026: At the Center of Imaging AI

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. The recently launched Foundational Certificate v2.0 delivers new, practice-ready insights and more actionable takeaways than ever before.

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. In 2025, *Radiology: Artificial Intelligence* earned an impact factor of 20.1 with 4,771 citations. It ranked first in impact factor among 217 journals in the Radiology, Nuclear Medicine and Medical Imaging category and fifth among 210 journals in the Computer Science, Artificial Intelligence category.

Since, 2015, RSNA's AI Challenges have inspired the creation of AI tools for radiology to improve patient care. 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 ATLAS makes imaging AI more transparent, understandable and trustworthy by enabling researchers and developers to publish and discover data cards describing key information about AI models and datasets.

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 2026 AI HIGHLIGHTS

RSNA 2026 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 2026. 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.

RSNA AI Challenge Recognition Event
A recognition event will be held Wednesday, Dec. 2, 3 – 4 p.m. in the AI Theater for the teams who submitted the highest-scoring algorithms during the 2026 RSNA Knee Abnormality Detection AI Challenge. The challenge engaged researchers to develop machine learning models to detect and classify knee abnormalities and was the first to use both images and the text of radiology reports to train and test AI models.

RSNA 2026 Vibe Coding Hackathon
The inaugural RSNA Vibe Coding Hackathon takes place Nov. 30 through Dec. 2 during RSNA 2026 to discover how the latest AI-powered coding tools can help turn ideas into working prototypes. Vibe coding is a new approach to software development that uses AI coding agents to help transform ideas into applications. Instead of focusing on programming syntax, participants can focus on defining problems, designing solutions and testing new concepts.

The goal of the hackathon is to create innovative solutions that address real-world needs in radiology and medical imaging. By the end of the event, participants will have the opportunity to transform a concept into a functional prototype. Projects will be evaluated by a panel of judges based on innovation, impact, usability and execution. Top solutions will be announced during a special event on Wednesday, Dec. 2, at 2 p.m.

Making AI Models and Datasets More Transparent: RSNA's ATLAS Hub
This session, sponsored by the RSNA Radiology Informatics Council, on Tuesday, Dec. 1, at 1:30 p.m., will describe applications for RSNA's ATLAS repository, which makes AI resources more findable and interoperable, and discuss ROADMAP, the ontology that underpins ATLAS.

Radiology Reimagined - Designing AI Around the Radiologist
In this 30-minute session on Monday, Nov. 30, experts will lead discussions on the limitations of current AI solution deployment and integration with examples from practice, emphasizing actionable steps to improve features that commonly worsen cognitive burden for end users and serve as barriers to AI adoption in practice.