

RSNA Fosters AI Research, Education

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](#).

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.

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 2024 AI HIGHLIGHTS

RSNA 2024 has an abundance of [papers, posters, courses and education exhibits 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. 2, 4 – 5 p.m. in the AI Theater for the teams who submitted the highest-scoring algorithms during the 2024 RSNA [Lumbar Spine Degenerative Classification AI Challenge](#).

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.