Redefining MRI:
From Image to Insight

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AI Vendor Session

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AI-Driven MRI: From Advanced Imaging to Intelligent Workflow

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AI is reshaping MRI by advancing imaging performance and streamlining clinical workflows. Recent advances in deep learning are enabling improvements in image quality, imaging efficiency, and workflow automation, supporting more consistent MRI examinations across a wide range of clinical applications.

This presentation offers an industry perspective on the evolving role of AI in MRI. Recent developments in deep learning-based image reconstruction will be highlighted, including selected 3D imaging examples using Deep Resolve to illustrate how AI can enhance imaging performance in clinical MRI. In addition, AI-enabled solutions for examination planning, protocol optimization, image processing, and operational efficiency will also be discussed, highlighting the growing role of AI in routine MRI practice.

Finally, future directions in AI-driven MRI will be briefly discussed, highlighting opportunities for continued innovation in both imaging and clinical workflow.

Keywords: *Artificial intelligence, Deep learning reconstruction, 3D MRI, Workflow optimization*