— INTERNATIONAL SOCIETY FOR —
ISMRM
MAGNETIC RESONANCE IN MEDICINE

ONE COMMUNITY FOR CLINICIANS AND SCIENTISTS

ISMRM WORKSHOP ON

Breast MRI: Technological Advances & Clinical Applications

In Affiliation with the
European Society of Breast Imaging (EUSOBI);
Japanese Society of Breast Cancer Imaging (JSBCI); &
Society of Breast Imaging (SBI)

13-15 SEPTEMBER 2025

Renaissance Las Vegas Hotel
Las Vegas, NV, USA

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Shizouka, Japan

SPEAKER UPLOAD INFORMATION

- Saturday, 13 September 2025 07:30-08:30
- Sunday, 14 September 2025 07:30-08:30
- Monday, 15 September 2025 07:30-08:00

PROGRAM CREDIT DESIGNATION

The International Society for Magnetic Resonance in Medicine is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians. The International Society for Magnetic Resonance in Medicine designates this live activity for a preliminary maximum of 10.25 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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To obtain your Certificate of Participation for this workshop, log into the ISMRM membership portal at www.ismrm.org, click the "Session Evaluations for Certificates" menu option, select "Begin Evaluation" next to the appropriate meeting name and follow the instructions provided.

Workshop Program

Day 1: Saturday, 13 September 2025 *(3.50 CME Available)*		
07:30	Registration & Speaker Upload Available	
08:30	Welcome	Linda Moy, M.D. New York University Cancer Institute New York, NY, USA
Session 1: Advantages & Disadvantages of Current Breast MRI Techniques		
Moderators: Roberto Lo Gullo, M.D. & Rebecca Rakow-Penner, M.D., Ph.D.		
08:40	*Standard Protocols & Indications*	Hiroko Satake, M.D., Ph.D. Nagoya University Hospital Nagoya, Japan
09:00	*Standard Protocols Setup from MR Technologies*	Sunitha Thakur, Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
09:20	*Reporting of Breast MRI*	Lilian Wang, M.D. Northwestern University Evanston, IL, USA
09:40	*Q & A*	Session Speakers
09:50	***Keynote Address:*** *Review of Breast MRI Guidelines*	Ritse Mann, M.D., Ph.D. Radboud University Medical Center Nijmegen, The Netherlands
10:15	*Q & A*	Keynote Speaker
10:30	Break & Speaker Upload Available	
Moderator: Gordana Ivanac, M.D., Ph.D.		
11:00	***Keynote Address:*** *Risk Prediction in MRI*	Despina Kontos, Ph.D. Columbia University New York, NY, USA
11:25	*Q & A*	Keynote Speaker
Moderators: Brian Hargreaves, Ph.D. & Natsuko Onishi, M.D., Ph.D.		
11:40	Power Pitch Session I	
	Machine Learning-Based Time-Intensity Curve Analysis for Differentiating Benign & Malignant Breast Lesions on Ultrafast DCE-MRI	Maya Honda, M.D., Ph.D. Kyoto University Hospital Kyoto, Japan
	Abbreviated Breast MRI: Active Scan Time vs. Total Exam Time	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
	Association of Fibroglandular Breast Tissue Characteristics from Multiparametric MRI with Cancer Risk Factors in Women Undergoing Breast Cancer Screening	Wesley Surento, M.Sc. University of Washington Seattle, WA, USA
	Evaluation of BPE & Recall Rate of Breast MRI Acquired with a High Relaxivity Contrast Agent	Federico Pineda, Ph.D. University of Pittsburgh Pittsburgh, PA, USA
	Model-Based Response Prediction & Personalization of Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer	Mahesh Nandyala, Ph.D. University of Texas at Austin Austin, TX, USA
	Prediction of Early Response to Neoadjuvant Chemotherapy in Breast Cancer Using Magnetic Resonance Fingerprinting	Holly Marshall, M.D. University Hospital Cleveland Medical Center Cleveland, OH, USA
	Non-Contrast Detection of Breast Cancer Using High-Resolution Restriction Spectrum Imaging	Stephane Loubrie, Ph.D. University of California, San Diego San Diego, CA, USA

	Specificity of Diffusion-Weighted Imaging (DWI) in Breast Lesions as a Function of Size	Tina Chen, M.D. Stanford University Stanford, CA, USA
	Clinical Utility of Supine Breath-Held T1-Weighted Breast DCE MRI	Judith Zimmermann, Ph.D. Stanford University Stanford, CA, USA
	Breast MRI for Patients with Active Implanted Metallic Devices (AIMDs): Safety Considerations & Clinical Case Studies	Jeremiah Sanders, Ph.D. Mayo Clinic Arizona Phoenix, AZ, USA
12:30	Lunch & Speaker Upload Available Poster Viewing	
Session 2: Abbreviated & Ultrafast Breast MRI Protocols *(No CME Available)*		
Moderators: Maya Honda, M.D., Ph.D. & Elizabeth Morris, M.D.		
14:00	*Abbreviated MRI*	Chris Comstock, M.D., FACR Weill Cornell Medicine New York, NY, USA
14:15	*FAST & ULTRAFAST Imaging*	Ken Yamaguchi, M.D. Saga University Hospital Saga City, Japan
14:30	*Contrast-Enhanced X-Ray Imaging*	Janice Sung, M.D. Columbia University New York, NY, USA
14:45	*Contrast-Enhanced Ultrasound*	Panagiotis Kapetas, M.D., Ph.D. Columbia University Medical Center New York, NY, USA
15:00	*Low-Dose & Gadolinium-Free Simulated Contrast MRI*	Maggie Chung, M.D. University of California, San Francisco San Francisco, CA, USA
15:15	***Keynote Address:*** *The Future of Functional Imaging: Tying It Together*	Basak Dogan, M.D. University of Texas Southwestern Medical Center Dallas, TX, USA
15:30	*Q & A*	Session Speakers
15:45	Break & Speaker Upload Available Poster Viewing	
Moderators: Catherine Moran, Ph.D. & TBA		
16:00	Power Pitch Session II *(No CME Available)*	
	Accelerated DCE Breast MRI Using Deep Learning: Initial Experiences	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
	Reduction of Noise & Artifacts in MUSE Breast DWI Using Deep Learning-Based Phase Correction: A Phantom & Reader Study	Pingni Wang, Ph.D. GE HealthCare Los Angeles, CA, USA
	High Resolution Multi-Shot EPI with Image Reconstruction Using Image Space Sampling (IRIS) Technique for Breast DWI: Clinical Experience at 3T	Debosmita Biswas, M.Sc. University of Washington Seattle, WA, USA
	Relationship of Breast Density & Body Mass Index to Image Quality of Multi-Shot Echo-Planar Diffusion-Weighted Imaging for In Vivo Breast Cancer Screening	Kalina Jordanova, Ph.D. Stanford University Stanford, CA, USA
	Optimized Dynamic Slice-By-Slice B0 Shimming in Breast Diffusion MRI	Ante Zhu, Ph.D. GE HealthCare Technology & Innovation Center Niskayuna, NY, USA
	Distortion-Free Diffusion-Weighted Imaging in the Breast Using Self-Navigated Acquisition & Subspace Reconstruction	Xuetong Zhou, M.Sc. Stanford University Stanford, CA, USA

	Neural Controlled Differential Equation (NCDE) for IVIM Analysis in Flow Phantom & Multisite Breast Cancer Patients	Dibash Basukala, Ph.D. New York University Langone Health New York, NY, USA
	Ultra-Low Field Breast MRI	Sheng Shen, Ph.D. Athinoula A. Martinos Center for Biomedical Imaging & Massachusetts General Hospital Charlestown, MA, USA
	Feasibility of Non-Contrast-Enhanced, Supine Breast MRI at 0.55T	Olivia Eshleman, B.Sc. Ohio State University Columbus, OH, USA
	Advancing Breast MRI Through the Development of a 60-Channel Supine Breast Coil	Jana Vincent, Ph.D. GE HealthCare Aurora, CO, USA
	Relative SNR Measurements in Supine vs. Prone Breast MRI with Accelerated Imaging	Jeremiah Hess, M.Sc. Stanford University Stanford, CA, USA
	Flexible Coils & Cushion Support Structures for Prone Breast MRI	Brandy Griffith, D.O. Ohio State University Columbus, OH, USA
	Non-Contrast MR Galactography Instead of Conventional Galactography for Women with Suspicious Ductal Secretions	Yanlu Wang, Ph.D. Karolinska University Hospital Solna, Sweden
	Sequence-Specific Geometric Distortions in Breast MRI at 3T: A Phantom-Based Analysis	Klara Mišak, M.Sc. University College London London, England, UK
	T1rho-Weighted MRI of the Breast at Ultra-Low Field (6.5 mT) Using a bSSFP-Based Sequence	Sheng Shen, Ph.D. Athinoula A. Martinos Center for Biomedical Imaging & Massachusetts General Hospital Charlestown, MA, USA
	Evaluating the Stability & MRI Relaxation Properties of Alginate for Breast Phantom Development	Klara Mišak, M.Sc. University College London London, England, UK
17:15	Adjourn & Dinner On Own	

Day 2: Sunday, 14 September 2025 *(5.25 CME Available)*

07:30	Registration & Speaker Upload Available	
	Session 3: AI & Breast MRI	
Moderators: Valeria Romeo, M.D., Ph.D. & Savannah Partridge, Ph.D.		
08:30	*AI, What Are These Models?*	Jonas Teuwen, Ph.D. Netherlands Cancer Institute Amsterdam, The Netherlands
08:50	*AI, What Is In the Machine? Denoising & Motion Correction*	Sachin Jambawalikar, Ph.D. Columbia University Medical Center New York, NY, USA
09:10	*Classification & Characterization*	Masako Kataoka, M.D., Ph.D. Kyoto University Kyoto, Japan
09:30	*Detection*	Jonas Teuwen, Ph.D. Netherlands Cancer Institute Amsterdam, The Netherlands
10:00	*Response Prediction & Assessment*	Gaiane M. Rauch, M.D., Ph.D. University of Texas MD Anderson Cancer Center Houston, TX, USA

10:30	*Q & A*	Session Speakers
10:45	Break & Speaker Upload Available Poster Viewing	
Moderators: Ritse Mann, M.D., Ph.D. & Linda Moy, M.D.		
11:15	*LLMs in Patient Planning & Logistics*	Dorothy Sippo, Columbia University New York, NY, USA
11:35	*AI for Triage: Mammo & MRI*	Sarah Eskreis-Winkler, M.D., Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
11:55	*Q & A*	Session Speakers
12:10	Lunch & Speaker Upload Available Poster Viewing	
Session 4: Quality Assurance, Standardization & Benchmarking in Breast MRI, Includes Radiomics		
Moderators: Maggie Chung, M.D. & Mami Iima, M.D., Ph.D.		
13:40	*Artifacts & AI Hallucinations & How To Reduce Them*	Gene Kim, Ph.D. Weill Cornell Medical College New York, NY, USA
14:00	*Standardization & Quality Assurance of Breast DCE-MRI for Assessing Response to Neoadjuvant Treatment*	Nola Hylton, Ph.D. University of California, San Francisco San Francisco, CA, USA
14:20	*Standardization of DWI*	Savannah Partridge, Ph.D. University of Washington Seattle, WA, USA
14:40	*Low Field, Where Are We Going?*	Kathryn Keenan, Ph.D. National Institution of Standards & Technology Boulder, CO, USA
15:00	*High Field, Where Are We Going?*	Patrick Bolan, Ph.D. University of Minnesota Minneapolis, MN, USA
15:20	*Q & A: Panel Discussion on Sustainability*	Mami Iima, M.D., Ph.D. Bonnie Joe, M.D., Ph.D., Elizabeth Morris, M.D., F.A.C.R. & Linda Moy, M.D.
15:40	Break & Speaker Upload Available Poster Viewing	
Moderators: Christiane Kuhl, Ph.D., Catherine Moran, Ph.D. & Linda Moy, M.D.		
16:10	Vendor Panel: Partnerships in Science *(No CME Available)*	
17:30	Adjourn & Dinner On Own	

Day 3: Monday, 15 September 2025 *(1.50 CME Available)*

07:30	Registration & Speaker Upload Available	
Session 5: Multiparametric & Multimodal Breast MRI Continued *(No CME Available)*		
Moderators: Bonnie Joe, M.D., Ph.D. & Gene Kim, Ph.D.		
08:00	*Multiparametric & Multimodal Breast Imaging*	Katja Pinker-Domenig, M.D., Ph.D. Columbia University New York, NY, USA
08:15	*Advanced Multiparametric Imaging: CEST, Lipid & Deuterium*	Sunitha Thakur, Ph.D. Memorial Sloan Kettering Cancer Center New York, NY, USA
08:30	*Q & A*	Session Speakers
08:40	Break & Speaker Upload Available Poster Viewing	

09:10	*MRI, How Far We Have Made It: Ph.D.*	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
09:30	*MRI, How Far We Have Made It: M.D.*	Christiane Kuhl, Ph.D. RWTH Aachen University Hospital Aachen, Germany
09:50	*Q & A*	Session Speakers
10:05	***Keynote Address:*** *Unsolved Problems & How To Make True Impact*	Bruce Lewis Daniel, M.D. Stanford University Stanford, CA, USA
10:25	*Q & A*	Session Speakers
10:45	*Delphi & Consensus Statement Regarding the Future of Breast MRI*	Masako Kataoka, M.D., Ph.D. Kyoto University Kyoto, Japan
11:20	Joint Position Paper I	TBA
11:40	Joint Position Paper II	TBA
11:55	Outcome & Action	Linda Moy, M.D. New York University Cancer Institute New York, NY, USA
12:00	Adjourn	

Posters

POSTER	TITLE	AUTHOR
1	*Machine Learning-Based Time-Intensity Curve Analysis for Differentiating Benign & Malignant Breast Lesions on Ultrafast DCE-MRI*	Maya Honda, M.D., Ph.D. Kyoto University Hospital Kyoto, Japan
2	*Abbreviated Breast MRI: Active Scan Time vs. Total Exam Time*	Leah Henze Bancroft, Ph.D. University of Wisconsin-Madison Madison, WI, USA
3	*Association of Fibroglandular Breast Tissue Characteristics from Multiparametric MRI with Cancer Risk Factors in Women Undergoing Breast Cancer Screening*	Wesley Surento, M.Sc. University of Washington Seattle, WA, USA
4	*Withdrawn*	
5	*Model-Based Response Prediction & Personalization of Neoadjuvant Chemotherapy in Triple-Negative Breast Cancer*	Mahesh Nandyala, Ph.D. University of Texas at Austin Austin, TX, USA
6	*Prediction of Early Response to Neoadjuvant Chemotherapy in Breast Cancer Using Magnetic Resonance Fingerprinting*	Holly Marshall, M.D. University Hospital Cleveland Medical Center Cleveland, OH, USA
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19	*Feasibility of Non-Contrast-Enhanced, Supine Breast MRI at 0.55T*	Olivia Eshleman, B.Sc. Ohio State University Columbus, OH, USA
20	*Advancing Breast MRI Through the Development of a 60-Channel Supine Breast Coil*	Jana Vincent, Ph.D. GE HealthCare Aurora, CO, USA
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26	*Evaluating the Stability & MRI Relaxation Properties of Alginate for Breast Phantom Development*	Klara Mišak, M.Sc. University College London London, England, UK

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