CURRICULUM VITAE Basak E. Dogan, M.D.

PERSONAL INFORMATION

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| Name: Basak E. Dogan, M.D.  Office Address: 5323 Harry Hines Blvd. Dallas, TX 75390-8585 | |
| Office Phone: (214) 645-3290  Fax: (214) 645-2596  Office Email: basak.dogan@utsouthwestern.edu |  |
| EDUCATION  Year Degree Field of Study | Institution |
| 1997 M.D. Medicine | Hacettepe University, Ankara, Turkey |
| POSTDOCTORAL TRAINING  Year(s) Titles Specialty/Discipline | Institution |
| 1996-1997 Internship Transitional Year | Hacettepe University, Ankara, Turkey |
| 1996-1996 Internship Radiology | Academic Medical Center Hospital, University of Amsterdam, Amsterdam, Netherlands |
| 1997-2001 Residency Diagnostic Radiology | Ankara University Medical School, Ankara, Turkey |
| 2004-2005 Fellowship Breast Imaging | University of Texas MD Anderson Cancer Center, Houston, TX |

FACULTY ACADEMIC APPOINTMENTS

# Year(s) Academic Title Academic Department Academic Institution

2001-2004 Instructor Diagnostic Radiology / Breast Ankara University Medical School, Ankara, Turkey Imaging

2007-2013 Assistant Professor Diagnostic Radiology University of Texas MD Anderson Cancer Center, Houston, TX

2013-2016 Associate Professor Diagnostic Radiology University of Texas MD Anderson Cancer Center, Houston, TX

2016-now Associate Professor Diagnostic Radiology University of Texas Southwestern Medical School, Dallas, TX

CURRENT LICENSURE AND CERTIFICATION

License Number N6858/Texas

License Expiration 8/31/2022

Primary Spec Diagnostic Radiology

Boards Yes

Initial Cert 2013 Re-cert N/A

HONORS AND AWARDS

# Year Name of Honor/Award Awarding Organization

2017 Fellow, Society of Breast Imaging Society of Breast Imaging

2017 Eugene P. Frenkel Endowed Scholar in Clinical Medicine UT Southwestern Medical Center, Dallas, TX

1. Cum Lauda Award, Educational Exhibit: “Artificial Radiological Society of North America Intelligence in Breast Imaging: Past Present and Future”
2. Certificate of Outstanding Service, Author, CPI Breast American College of Radiology Imaging Module 2021
3. Magna Cum Laude, Electronic Exhibit Serving the Underserved: A Safety-Net framework to Provide High-Quality, Comprehensive and Culturally Competent Breast Imaging Care”; Chicago, IL, USA

APPOINTMENTS AT HOSPITALS AND AFFILIATED INSTITUTIONS

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| Year(s) | Hospital Position | Hospital Dept/Division | Hospital Institution |
| 2005-2007 | Attending Radiologist | Radiology | ONVAK Organ Transplant Foundation Hospital, Eskisehir, Turkey |
| 2007-2016 | Attending Physician | Radiology | University of Texas MD Anderson Cancer Center |
| 2016-now | Attending Physician | Radiology | Parkland Health and Hospital System, Dallas, TX |
| 2016-now | Attending Physician | Radiology | Clements University Hospital, Dallas, TX |
| 2016-now | Attending Physician | Radiology | Zale Lipshy University Hospital, Dallas, TX |

MAJOR ADMINISTRATIVE AND LEADERSHIP POSITIONS

# Year(s) Position Title Institution Scope

2014-2016 Medical Director, Julie and Ben Rogers University of Texas MD Anderson Cancer Center Departmental Breast Imaging Clinic

2016-now Director of Breast Imaging Research UT Southwestern Medical Center, Dallas, TX Departmental

COMMITTEE SERVICE

Institutional

# Years Position Title Name Of Committee Institution or Organization

2008-2008 Member Breast MRI Steering Committee University of Texas MD Anderson Cancer

Center, Houston, TX

2010-2016 Member Breast Cancer Clinical Research University of Texas MD Anderson Cancer Meeting (BCCR) Center, Houston, TX Committee

2011-2016 Member Institutional Review Board University of Texas MD Anderson Cancer

Center, Houston, TX

2012-2016 Chair Breast Imaging Mentoring Program University of Texas MD Anderson Cancer

Center, Houston, TX

2014-2016 Member MRI Safety Committee University of Texas MD Anderson Cancer

Center, Houston, TX

2014-2016 Member Breast Cancer Leadership Committee University of Texas MD Anderson Cancer

Center, Houston, TX

2014-2016 Member DI CRC Grant Committee University of Texas MD Anderson Cancer

Center, Houston, TX

2015-2016 Chair Breast MRI Case Conference University of Texas MD Anderson Cancer

Center, Houston, TX

2017-now Member Simmons Cancer Center UT Southwestern Medical Center, Dallas, TX

2018-now Member Imaging Strategic Planning Task Force UT Southwestern Medical Center, Dallas, TX

2019-now Member National Clinical Trials Network (NCTN)

Cooperative Group Executive Committee UT Southwestern Medical Center

2018-now Member Diagnostic Radiology Research Day UT Southwestern Medical Center, Dallas, TX

Abstract Review Committee

2021-now Member MRI Operations UT Southwestern Medical Center, Dallas, TX

2022-now Member NCCN Breast Cancer Committee National Comprehensive Cancer Network

2022-now Member Diagnostic Radiology UT Southwestern Medical Center, Dallas TX

NIH T32 Institutional Training Program

National

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| Years  2014-now  2014-2016  2015-2015  2015-now  2019-now  2019-now  2020-2022  2020-now  2020-now  2021-now | Position Title  Panel Member  Member  Member  Member  Member  Member  Member  Member  Member  Member | Name Of Committee  AJCC TNM Staging 8th Edition Expert  Panel  National Breast Cancer Screening  Committee  21st Annual Meeting Planning  Committee  TCGA/TCIA Breast Research Group  Data Science Institute Breast Imaging  Committee  Patient Care and Delivery Committee  Economics Committee on Breast  Imaging  Data Science Institute Breast Expert Panel  Reimbursement Committee  Breast Imaging Appropriateness Criteria Panel  Breast Committee | Institution or Organization  American Joint Committee on Cancer Staging  National Cancer Comprehensive Network  Magnetic Resonance Society, Ankara, Turkey  NIH/NCI  American College of Radiology  Society of Breast Imaging  American College of Radiology  American College of Radiology  American College of Radiology  American College of Radiology  ECOG-ACRIN Cancer Research Group |
| 2022-now Member    2023- now Member  PROFESSIONAL SOCIETIES | |
| Year(s) Society Name | |  | Society Role |
| 2004-now Radiological Society of North America | | | Member |
| 2005-now American Roentgen Ray Society | | | Member |
| 2009-now European Society of Radiology | | | Member |
| 2014-now American Society of Clinical Oncology | | | Member |
| 2014-now American College of Radiology | | | Member |
| 2016-now Society of Breast Imaging  GRANT REVIEW ACTIVITIES  Year(s) Name of Committee Organization | | | Fellow |
| 2014-2016 DI-CRC Grant Committee: Reviews scientific merit Diagnostic Radiology, MD Anderson Cancer Center methodology and votes on outcome  2021-now New York State Department of Health and the American Institute of Biological Sciences (AIBS) New York State Health Research Science Board  Peter T. Rowley Breast Cancer Scientific Research Grant | | | |

EDITORIAL ACTIVITY

Editor/Associate Editor

# Year(s) Journal\_Name Editorial Role

2012-now Breast BMC Cancer, Biomed Central Associate Editor

2020-now European Journal of Breast Health Associate Editor

Editorial Board

# Year(s) Journal\_Name Editorial Role

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| 2018-2020 European Journal of Breast Health | | Editorial Board Member |
| 2018-2022 PLOS ONE | | Editorial Board Member |
| 2021-2023 The Breast Journal | | Editorial Board Member |
| Reviewer (All Types) | | Editorial Role |
| Year(s) | Journal\_Name |
| 2005-now | American Journal of Roentgenology | Reviewer |
| 2005-now | Diagnostic and Interventional Radiology | Reviewer |
| 2007-2019 | Breast Diseases: A Year Book Quarterly | Special Reviewer |
| 2009-now | The Cancer Journal | Reviewer |
| 2010-now | Radiographics (RSNA) | Reviewer |
| 2014-now | Annals of Surgical Oncology | Reviewer |
| 2014-now | American Journal of Surgical Oncology | Reviewer |
| 2017-now | Journal of Ultrasound in Medicine | Reviewer |
| 2018-now | Academic Radiology | Reviewer |
| 2019-now | Journal of Breast Imaging (JBI) | Reviewer |
| 2020-now | Journal of American College of Radiology | Reviewer |
| 2021-now | European Radiology | Reviewer |
| 2021-now | Radiology | Reviewer |
| 2023-now | RSNA ANNUAL MEETING | Scientific abstract reviewer |

INVITED LECTURES, TEACHING AND PRESENTATIONS

International

# Year(s) Presentation Title or Course Name

2004 Clinical Applications of Breast MRI. 1st Annual Breast Oncology Conference, Ankara, Turkey, 2004.

2006 Breast MRI for screening high-risk individuals, staging breast cancer, evaluating response to chemotherapy and other emerging clinical applications. Breast MRI-sonography correlation, 1st International Breast Imaging Symposium, Ankara, Turkey, May 2006.

2010 Dogan B. The Role of the Breast Radiologist in the Patient with a Nonpalpable Lesion. DCIS and Early Breast Cancer Symposium, San Juan, Puerto Rico, 2010.

2010 Dogan B. Imaging and Emerging Breast Imaging Techniques in Improved Detection, DCIS and Early Breast Cancer Symposium, San Juan, Puerto Rico, 2010.

2012 Dogan B. Imaging in Invasive Early Stage Cancers: Focus on Multifocality, DCIS and Early Breast Cancer Symposium

2012 Dogan B. Imaging in Presurgical Planning of Early Invasive Breast Cancers: Current Status and Pitfalls. 18 Annual Puerto Rico Breast Cancer Conference

2012 Dogan B. New Breast MRI Applications: Breast Diffusion-Weighted MR Imaging, 18th Annual Puerto Rico Breast Cancer Conference

1. Dogan B. Imaging and Emerging Breast Imaging Techniques in Improved Detection. DCIS and Early Breast Cancer Symposium
2. Whitman GJ, Wilhelm A, Chesbrough RM, Linver NM, Gordon PB, Destounis SV, Holbrook AI, Rim AS, Cossi AF, Yeh ED,

Swenson GW, Piccoli CW, McNamara MP, Carkaci S, Seely JM, Huynh PT, Le-Petross HC, Dogan BE, Baker JA, Stephens TW, Lee J, Nees AV. US-guided Interventional Breast Procedures (Hands-on Workshop). Radiological Society of North America (RSNA), Chicago, IL, November 2013.

1. US-guided Interventional Breast Procedures (Hands-on Workshop). Radiological Society of North America (RSNA), Chicago, IL, November 2014.
2. Keynote Lecture: Breast Cancer and Radiogenomics. 21st Annual MRI Conference, Ankara, Turkey, 2015.

2015 Breast MRI for assessing neoadjuvant therapy response. 21st Annual MRI Conference, Ankara, Turkey, 2015.

2015 US-guided Interventional Breast Procedures (Hands-on Workshop). Radiological Society of North America (RSNA), Chicago, IL, November 2015.

2015 Diffusion Breast MRI. 21st Annual MRI Conference, Ankara, Turkey, 2015.

1. MRI and Breast Cancer Staging: Current status and controversies. 21st Annual MRI Conference, Ankara, Turkey, 2015.
2. Radiological Monitoring of Patients Receiving Neoadjuvant Chemotherapy. International Istanbul Breast Cancer Conference, Istanbul, Turkey, November 2016.

2016 Keynote Speaker: Radiogenomics. International Istanbul Breast Cancer Conference, Istanbul, Turkey, November 2016.

2016 US-guided Interventional Breast Procedures (Hands-on Workshop). Radiological Society of North America (RSNA), Chicago, IL, November 2016.

2016 Microbubble Contrast-Enhanced Ultrasound Sentinel (CEUS) Lymph Node Imaging with Guided Biopsy in Breast Cancer Patients. Radiological Society of North America, Chicago, IL, November 2016.

1. DCIS and Breast MRI. International Istanbul Breast Cancer Conference, Istanbul, Turkey, November 2016.
2. US-guided Interventional Breast Procedures (Hands-on Workshop). Radiological Society of North America (RSNA), Chicago, IL, November 2017.
3. Dogan B. Optoacoustic Imaging can help predict breast cancer molecular subtypes. High Impact Clinical Trials. Radiological Society of North America (RSNA), Chicago, IL, November 2018.
4. Dogan B. Interesting Breast MRI Cases (interactive). Turkish MRI Society (TMRD) Annual International Meeting, Ankara, Turkey, April 23-27, 2019.

2019 Dogan B. Updates on Imaging Breast Cancer Neoadjuvant Response. Turkish MRI Society (TMRD) Annual International Meeting, Ankara, Turkey, April 23-27, 2019.

1. Dogan B. Abbreviated Breast MRI: How, and who? Turkish MRI Society (TMRD) Annual International Meeting, Ankara, Turkey, April 23-27, 2019.
2. Dogan B. Updates in Breast Cancer Neoadjuvant therapy response assessment (TMRD) Annual International Meeting, Ankara, Turkey, October 2020.

National

# Year(s) Presentation Title or Course Name

2008 Role of MRI In Assessing Response To Neoadjuvant Chemotherapy. 8th Annual Oncology Update, Advances and Controversies, (Surgical Oncologists, Medical Oncologists, Radiation Oncologists and Radiologists), Park City, UT, January 2008.

1. Breast Cancer Screening: Who, When and How Much? Physicians Network Symposium (internal medicine, surgical and medical oncologists, primary care physicians, physician assistants and nurses), Orlando, FL, 2012.
2. Basak E. Dogan, M.D. Imaging the Axilla: Best Modalities and Common Pitfalls. American Society of Clinical Oncology (ASCO), Breast Cancer Symposium, San Francisco, CA, 2013.

2013 Dogan B. Follow-up and Surveillance of Breast Cancer Patients. Physicians Network Symposium, Orlando, FL, 2013.

2013 Screening of Breast Cancer: What's New? (internal medicine, surgical and medical oncologists, primary care physicians, physician assistants and nurses) Physicians Network Symposium, Chicago, IL, 2013.

1. Conference Organizer and Chair. How to Start a Successful Breast Radioactive Seed Localization Program in Your Institution. The University of Texas MD Anderson Cancer Center, Houston, TX, February 2015.
2. Course chair: Post-Conference Radioactive Seed Course (Surgical Oncologists, Oncologists, Radiation Oncologists, Radiologists). Radioactive Seed in Metastatic Axillary Lymph Nodes: Procedures and Pitfalls. National Consortium of Breast Centers (NCoBC), Las Vegas, NV, 2016.

2016 Post-Conference Radioactive Seed course. National Consortium of Breast Centers (NCoBC), Las Vegas, NV, 2016.

2016 Radioactive Seed Localization: Workflow from Plant to Implantation. National Consortium of Breast Centers (NCoBC), Las Vegas, NV, 2016.

2016 Get Off the Wire Addiction – Time To Get Started in RSL! (Surgical Oncologists, Oncologists, Radiation Oncologists, Radiologists), National Consortium of Breast Centers (NCoBC), Las Vegas, NV, 2016.

2016 Multidisciplinary Approach to Borderline Breast Lesions. National Consortium of Breast Centers (NCoBC) (Surgical Oncologists, Oncologists, Radiation Oncologists, Radiologists), Las Vegas, NV April 2016.

2016 High risk breast lesions: management considerations. (Surgical Oncologists, Oncologists, Radiation Oncologists, Radiologists), National Consortium of Breast Centers (NCoBC), Las Vegas, NV, 2016.

2016 Advances in Breast Imaging Medical Oncology and Hematology 2016: Multidisciplinary Approaches that Improve Coordination of Care, Houston, TX

2016 Conference chair and organizer: 2nd How to Start a Successful Breast Radioactive Seed Localization Program in Your Institution. Pre-operative Radioactive Seed Course (Radiologists, Surgeons, Hospital Administrators, Radiation Oncologists, Pathologists), The University of Texas MD Anderson Cancer Center, February 2016.

2019 Challenging Breast MRI Cases: Abbreviated versus standard. Society of Breast Imaging, Hollywood, FL, April 4, 2019.

2021 Advanced Breast MRI –ultrafast, Dixon and artificial intelligence. Society of Breast Imaging (Virtual Meeting), April 14.

2022 Optoacoustic Breast Imaging. Society of Breast Imaging Annual Symposium, Savannah, Georgia May 16-19, 2022

GRAND ROUNDS

1. Brigham Woman’s and Massachusetts General Hospital Department of Radiology Joint Grand Rounds Speaker – Abbreviated Breast MRI and Ultrafast Breast MRI –Is Shorter Better ? May 2022

2022 Icahn School of Medicine Mount Sinai Department of Radiology Grand Rounds Speaker- April 2022

Regional

# Year(s) Presentation Title or Course Name

2010 Ultrasound of the New Millennium: Ultrasound Correlation of MRI detected Breast Lesions; Breast Cancer Ultrasound Staging. The University of Texas MD Anderson Cancer Center, Houston, TX, April 2016.

2010 Breast Imaging Course: Hands-On Digital Mammography Workshop. Harris County Medical Society, Houston, TX, 2010.

2010 Dogan B. Ultrasound in the New Millennium: Breast Ultrasound for Breast Cancer Staging. The University of Texas MD Anderson Cancer Center, Houston, TX, April 2016.

1. Institutional Grand Rounds: "Advances in Oncology" Surgical management of the axilla in breast cancer patients: Nodal Staging with Ultrasound. (Surgical, Medical and Radiation Oncologists, Radiologists, Plastic Surgeons), The University of Texas MD Anderson Cancer Center, Houston, TX, 2014.
2. Microbubble-enhanced US-guided Sentinel Node Biopsy. Surgical Oncology Research Retreat, Research Seminar Series, Houston, TX, 2015.
3. Dogan B. Optoacoustic Imaging. Annual Global Academic Programs (GAP) Conference for International Physicians, The University of Texas MD Anderson Cancer Center, Houston, TX, 2015.
4. Breast Localizations. Breast Surgical Oncology Morbidity & Mortality Grand Rounds, The University of Texas MD Anderson Cancer Center, Houston, TX, 2016.

Local

# Year(s) Presentation Title or Course Name

1. Breast Cancer Updates (nurses, physicians, technologists). A new staging paradigm: TNM Staging 8th edition by American Joint Committee on Cancer. Management and Treatments, UT Southwestern Medical Center, Dallas, TX, 2018.
2. Special Invited Guest Lecturer: Radiogenomics and Breast Cancer. University of Chicago, Chicago, IL, September 12, 2019.

BIBLIOGRAPHY OF SCHOLARLY PUBLICATIONS

Original Research Article

1. Fitoz S, Atasoy C, Erguvan Dogan B, Erden I. Kallmann Syndrome: MR imaging findings. Turkish Journal of Medical and Interventional Radiology 51:121-123, 2001.
2. Atasoy C, Fitoz S, Erguvan B, Akyar S. Tuberculous fibrosing mediastinitis: CT and MRI findings. J Thorac Imaging. 2001 Jul;16(3):191-3. PMID: 11428422.
3. Dogan BE, Tukel S. Radiological management algorithms for pathological nipple discharge. Diagnostic and Interventional Radiology. 8:364-371, 2002.
4. Dogan BE, Sahin G, Yagmurlu B, Erden I. Neuroarthropathy of the extremities: magnetic resonance imaging features. Curr Probl Diagn Radiol. 2003 Nov-Dec;32(6):227-32. PMID: 14647121.
5. Tukel S, Dogan BE, Ozcan H. Alveolar rhabdomyosarcoma metastatic to the breast. Curr Probl Diagn Radiol. 2003 MarApr;32(2):102-4. PMID: 12658266.
6. Dogan BE, Whitman GJ, Middleton LP, Phelps M. Intracystic papillary carcinoma of the breast. AJR Am J Roentgenol. 2003 Jul;181(1):186. PMID: 12818855.
7. Fitoz S, Ikinciogullari A, Dogan BE, Babacan E, Atasoy C, Sahin G. Bacillus Calmette-Guerin osteomyelitis in a patient with severe combined immunodeficiency: radiologic appearances of extensive dissemination. Curr Probl Diagn Radiol. 2004 JanFeb;33(1):25-7. PMID: 14712199.
8. Sahin G, Dogan BE, Demirtas M. Virtual MR arthroscopy of the wrist joint: a new intraarticular perspective. Skeletal Radiol. 2004 Jan;33(1):9-14. Epub 2003 Nov 6. PMID: 14605770.
9. Dogan BE, Tukel S, Ceyhan K. Hydatid cyst of the breast. Curr Probl Diagn Radiol. 2005 Sep-Oct;34(5):204-5. PMID: 16129238.
10. Lai CJ, Shaw CC, Whitman GJ, Johnston DA, Yang WT, Selinko V, Arribas E, Dogan B, Kappadath SC. Visibility of simulated microcalcifications--a hardcopy-based comparison of three mammographic systems. Med Phys. 2005 Jan;32(1):182-94. PMID: 15719969.
11. Dogan BE, Erden I, Yagmurlu B, Unlu A, Yazgan C. Brain abscess: magnetic resonance perfusion findings. Curr Probl Diagn Radiol. 2005 Jul-Aug;34(4):160-2. PMID: 16012486.
12. Dogan BE, Fitoz S, Atasoy C, Yagmurlu A, Akyar S. Tracheoesophageal fistula: demonstration of recurrence by threedimensional computed tomography. Curr Probl Diagn Radiol. 2005 Jul-Aug;34(4):167-9. PMID: 16012488.
13. Erguvan-Dogan B, Dempsey PJ, Ayyar G, Gilcrease MZ. Primary desmoid tumor (extraabdominal fibromatosis) of the breast. AJR Am J Roentgenol. 2005 Aug;185(2):488-9. PMID: 16037525.
14. Dogan BE, Ceyhan K, Tukel S, Saylisoy S, Whitman GJ. Ductal dilatation as the manifesting sign of invasive ductal carcinoma. J Ultrasound Med. 2005 Oct;24(10):1413-7. PMID: 16179626.
15. Erguvan-Dogan B, Yazgan C, Atasoy C, Sak SD, Tukel S, Ceyhan K, Kocak S, Akyar YS. Radiologic-pathologic conference of the University of Ankara Medical School: metaplastic breast carcinoma with osteochondrosarcomatous differentiation. AJR Am J Roentgenol. 2005 Dec;185(6):1593-4. PMID: 16304019.
16. Erguvan-Dogan B, Yang WT. Direct Injection of Paraffin into the Breast: Mammographic, Sonographic, and MRI Features of Early Complications. AJR Am J Roentgenol. 2006 Mar;186(3):888-94. PMID: 16498126.
17. Erguvan-Dogan B, Whitman GJ, Kushwaha AC, Phelps MJ, Dempsey PJ. BI-RADS-MRI: A Primer. AJR Am J Roentgenol. 2006 Aug;187(2):W152-60. PMID: 16861504.
18. Erguvan-Dogan B, Whitman GJ, Nguyen VA, Dryden MJ, Stafford RJ, Hazle J, McAlee KR, Phelps MJ, Ice MF, Kuerer HM, Middleton LP. Specimen Radiography in Confirmation of MRI-Guided Needle Localization and Surgical Excision of Breast Lesions. AJR Am J Roentgenol. 2006 Aug;187(2):339-44. PMID: 16861535.
19. Dogan BE, Whitman GJ, Singletary ES, Sahin A. Needle localization and excision of lesions poorly visible or invisible on mammography using mammographic landmarks. Breast J. 2007 Jul-Aug;13(4):433-5. PMID: 17593057.
20. Lai CJ, Shaw CC, Geiser W, Chen L, Arribas E, Stephens T, Davis PL, Ayyar GP, Dogan BE, Nguyen VA, Whitman GJ, Yang WT. Comparison of slot scanning digital mammography system with full-field digital mammography system. Med Phys. 2008 Jun;35(6):2339-46. PMID: 18649467.
21. Dogan BE, Gonzalez-Angulo AM, Gilcrease M, Dryden MJ, Yang WT. Multimodality imaging of triple receptor-negative tumors with mammography, ultrasound, and MRI. AJR Am J Roentgenol. 2010 Apr;194(4):1160-6. PMID: 20308526.
22. Cohen L, Chen Z, Arun B, Shao Z, Dryden M, Xu L, Le-Petross C, Dogan B, McKenna BJ, Markman M, Babiera G. External Qigong Therapy for women with breast cancer prior to surgery. Integr Cancer Ther. 2010 Dec;9(4):348-53. PMID: 21106615.
23. Lee YS, Mathew J, Dogan BE, Resetkova E, Huo L, Yang WT. Imaging features of micropapillary DCIS: correlation with clinical and histopathological findings. Acad Radiol. 2011 Jul;18(7):797-803. PMID: 21419669.
24. Dogan BE, Ma J, Hwang K, Liu P, Yang WT. T1-weighted 3D dynamic contrast-enhanced MRI of the breast using a dualecho Dixon technique at 3 T. J Magn Reson Imaging. 2011 Oct;34(4):842-51. Epub 2011 Jul 18. PMID: 21769987.
25. Dogan BE, Whitman GJ. Intraoperative breast ultrasound. Semin Roentgenol. 2011 Oct;46(4):280-4. PMID: 22035670.
26. Rauch GM, Dogan BE, Smith TB, Liu P, Yang WT. Outcome analysis of 9-gauge MRI-guided vacuum-assisted core needle breast biopsies. AJR Am J Roentgenol. 2012 Feb;198(2):292-9. PMID: 22268171.
27. Dogan BE, Turnbull LW. Imaging of triple-negative breast cancer. Ann Oncol. 2012 Aug;23 Suppl 6:vi23-9. PMID: 23012298.
28. Dogan BE, Le-Petross CH, Stafford JR, Atkinson N, Whitman GJ. MRI-guided vacuum-assisted breast biopsy performed at 3 T with a 9-gauge needle: preliminary experience. AJR Am J Roentgenol. 2012 Nov;199(5):W651-3. PMID: 23096211.
29. Pan J, Dogan BE, Carkaci S, Santiago L, Arribas E, Cantor SB, Wei W, Stafford RJ, Whitman GJ. Comparing performance of the CADstream and the DynaCAD breast MRI CAD systems : CADstream vs. DynaCAD in breast MRI. J Digit Imaging. 2013 Oct;26(5):971-6. PMID: 23589186.
30. Muralidhar GS, Markey MK, Bovik AC, Haygood TM, Stephens TW, Geiser WR, Garg N, Adrada BE, Dogan BE, Carkaci S, Khisty R, Whitman GJ. Stereoscopic interpretation of low-dose breast tomosynthesis projection images. J Digit Imaging. 2014 Apr;27(2):248-54. PMID: 24190140.
31. Fomage BD, Dogan BE, Sneige N, Staerkel GA. Ultrasound-guided fine-needle aspiration biopsy of internal mammary nodes: technique and preliminary results in breast cancer patients. AJR Am J Roentgenol. 2014 Aug;203(2):W213-20. PMID: 25055296.
32. Rao A, Net J, Brandt K, Huang E, Freymann J, Burnside E, Kirby J, Morris E, Bonaccio E, Giger M, Jaffe C, Ganott M, Sutton E, Le-Petross H, Zuley M, Dogan B, Whitman G. TU-CD-BRB-07: Identification of Associations Between RadiologistAnnotated Imaging Features and Genomic Alterations in Breast Invasive Carcinoma, a TCGA Phenotype Research Group Study. Med Phys. 2015;42(6 Part 32):3603-4.
33. Rueth NM, Black DM, Limmer AR, Gabriel E, Huo L, Fornage BD, Dogan BE, Chavez-MacGregor M, Yi M, Hunt KK, Strom EA. Breast conservation in the setting of contemporary multimodality treatment provides excellent outcomes for patients with occult primary breast cancer. Ann Surg Oncol. 2015 Jan;22(1):90-5. PMID: 25249256.
34. Eghtedari M, Dogan BE, Gilcrease M, Roberts J, Cook ED, Yang WT. Imaging and pathologic characteristics of breast amyloidosis. Breast J. 2015 Mar-Apr;21(2):197-9. PMID: 25585499.
35. Jacobsen MC, Dogan BE, Adrada BE, Plaxco JS, Wei W, Son JB, Hazle JD, Ma J. 3-T breast diffusion-weighted MRI by echoplanar imaging with spectral spatial excitation or with additional spectral inversion recovery: an in vivo comparison of image quality. J Comput Assist Tomogr. 2015 May-Jun;39(3):343-8. PMID: 25695868.
36. Shaitelman SF, Tereffe W, Dogan BE, Hess KR, Caudle AS, Valero V, Stauder MC, Krishnamurthy S, Candelaria RP, Strom EA, Woodward WA, Hunt KK, Buchholz TA, Whitman GJ. Role of Ultrasonography of Regional Nodal Basins in Staging Triple-Negative Breast Cancer and Implications For Local-Regional Treatment. Int J Radiat Oncol Biol Phys. 2015 Sep 1;93(1):102-10. PMID: 26279028.
37. Dogan BE, Dryden MJ, Wei W, Fomage BD, Buchholz TA, Smith B, Hunt K, Krishnamurthy S, Yang WT. Sonography and Sonographically Guided Needle Biopsy of Internal Mammary Nodes in Staging of Patients With Breast Cancer. AJR Am J Roentgenol. 2015 Oct;205(4):905-11. PMID: 26397343.
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39. Ma JS, Arun B, Hazle J, Hwang K, Wang K, Bayram E, Madewell J, Yang W, Dogan B. SU-F-I-16: Short Breast MRI with HighResolution T2-Weighted and Dynamic Contrast Enhanced T1-Weighted Images. Med Phys. 2016.
40. Caudle AS, Yang WT, Krishnamurthy S, Mittendorf EA, Black DM, Gilcrease MZ, Bedrosian I, Hobbs BP, DeSnyder SM, Hwang RF, Adrada BE, Shaitelman SF, Chavez-MacGregor M, Smith BD, Candelaria RP, Babiera GV, Dogan BE, Santiago L, Hunt KK, Kuerer HM. Improved Axillary Evaluation Following Neoadjuvant Therapy for Patients With Node-Positive Breast Cancer Using Selective Evaluation of Clipped Nodes: Implementation of Targeted Axillary Dissection. J Clin Oncol. 2016 Apr 1;34(10):1072-8. Epub 2016 Jan 25. PMID: 26811528.
41. Dryden MJ, Dogan BE, Fox P, Wang C, Black DM, Hunt K, Yang WT. Imaging Factors That Influence Surgical Margins After Preoperative 125I Radioactive Seed Localization of Breast Lesions: Comparison With Wire Localization. AJR Am J Roentgenol. 2016 May;206(5):1112-8. Epub 2016 Mar 23. PMID: 27007608.
42. Eghtedari M, Ma J, Fox P, Guvenc I, Yang WT, Dogan BE. Effects of magnetic field strength and b value on the sensitivity and specificity of quantitative breast diffusion-weighted MRI. Quant Imaging Med Surg. 2016 Aug;6(4):374-80. PMID: 27709073.
43. Gilcrease MZ, Dogan BE, Black DM, Contreras A, Dryden MJ, Jimenez SM. Transection of Radioactive Seeds in Breast Specimens. Am J Surg Pathol. 2016 Oct;40(10):1375-9. PMID: 27627744.
44. Shin K, Caudle AS, Kuerer HM, Santiago L, Candelaria RP, Dogan B, Leung J, Krishnamurthy S, Yang W. Radiologic Mapping for Targeted Axillary Dissection: Needle Biopsy to Excision. AJR Am J Roentgenol. 2016 Dec;207(6):1372-1379. Epub 2016 Oct 11. PMID: 27726422.
45. Spak DA, Plaxco JS, Santiago L, Dryden MJ, Dogan BE. BI-RADS(R) fifth edition: A summary of changes. Diagn Interv Imaging. 2017 Mar;98(3):179-90. Epub 2017 Jan 25. PMID: 28131457.
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3. Dogan BE, Yuan Q, Jackson EF, Guvenc I, Bassett R, Cristofanilli M, Whitman GJ. Role of MRI pharmacokinetic analysis in the prediction of response to neoadjuvant chemotherapy and patient survival in breast cancer. Radiological Society of North America, Chicago, IL, 11/2011.
4. Yalamanchili S, Dogan BE, Guvenc I, Mittendorf E, Wei W, Lane D, Yang W. The role of MRI in the management of patients with newly diagnosed ductal carcinoma in situ. Radiological Society of North America, Chicago, IL, 11/2011.
5. Guvenc l, Whitman GJ, Liu P, Ma J, Dogan BE. DWI increases diagnostic accuracy of breast MRI for predicting axillary metastases in breast cancer patients. Radiological Society of North America, Chicago, IL, 11/2011.
6. Whitman GJ, Le-Petross HC, Dogan BE, Adrada B, Stafford RJ. Tissue Harmonic Imaging in Breast Ultrasound: Help or Hindrance? Radiological Society of North America, Chicago, IL, 11/2011.
7. Gonzalez P, Whitman G, Dryden M, Liu P, Dogan B. Ductography still warranted in the 21st Century? American Roentgen Ray Society, Vancouver, Canada, 5/2012.
8. Rauch G, Dogan B, Huo L, Liu P, Yang W. Underestimation of high-risk lesions at 9-guage MRI guided vacuum-assisted breast biopsies. American Roentgen Ray Society, Vancouver, Canada, 5/2012.
9. Benveniste AP, Dogan B Fox P, Ma J, Yang WT. Is There a Role for ADC Values in Predicting Breast Cancer Prognostic Factors? Radiological Society of North America, Chicago, IL, 11/2012.
10. Dogan B, Fornage BD. Role of Sonography and Sonographically-guided Fine-Needle Aspiration of Ipsilateral Internal Mammary Lymph Nodes in the Staging of Breast Cancer. Radiological Society of North America, Chicago, IL, 11/012.
11. Dogan BE, Dryden MJ, Wei W, Fornage BD, Hunt KK, Yang WT. US and US-guided fine-needle aspiration biopsy of internal mammary nodes in patients with breast cancer (electronic poster). European Congress of Radiology (ECR) (#6451), 3/2013.
12. Dogan B, Ma J, Fox P, Guvenc I, Yang W. Do b values and field strength affect the accuracy of ADC measurement in breast diffusion-weighted MRI? American Roentgen Ray Society, Washington, DC, 4/2013.
13. Santiago L, Whitman G, Milton D, Khisty R, Dogan B. Factors influencing the detection of occult contralateral malignancy in patients undergoing MRI staging for newly diagnosed breast cancer. American Roentgen Ray Society, Washington, DC, 4/2013.
14. Phalak K, Dogan B, Milton D, Bevers T, Yang WT. Supplemental Ultrasound (US) screening in patients with a history of lobular neoplasia (LN). Radiological Society of North America, Chicago, IL, 12/2013.
15. Dryden M, Wagner J, Yang WT, Hunt KK, Rohren E, Dogan B. Preoperative I-125 radioactive seed localization (I-125 RSL) of breast lesions: Impact of lesion selection on surgical margins. (#13014634) Radiological Society of North America, Chicago, IL, 12/2013.
16. Rueth NM, Black DM, Limmer AR, Gabriel E, Fornage BD, Dogan BE, Chavez MacGregor M, Yi M, Hunt KK, Strom EA. Breast conservation in the setting of contemporary multimodality treatment provides excellent outcomes for patients with occult primary breast cancer. American Society of Breast Surgeons, Las Vegas, NV, 5/2014.
17. Dryden MJ, Dogan B, Wang C, Fox PS, Black S, Hunt K, Yang WT. Radiological imaging factors influencing surgical margin status following pre-operative I-25 radioactive seed localization (RSL) of breast lesions: comparative analysis with needle localizations (NL). Radiological Society of North America, Chicago, IL,ASCO 12/2014.
18. Dogan B, Dryden MJ, Wei W, Fornage BD, Buchholz TA, Smith B, Hunt K, Krishnamurthy S, Yang WT. Value of US and USguided needle biopsy of internal mammary (IM) nodal basin in baseline staging of breast cancer patients. Radiological Society of North America, Chicago, IL, 12/2014.
19. Caudle AS, Yang W, Mittendorf EA, Black DM, Gilcrease M, Bedrosian I, Hobbs BP, Candelaria RP, Abbira G, Dogan BE, Lim MJ, Santiago L, Hunt KK, Krishnamurthy S, Kuerer HM. Targeted Axillary Dissection Improves Axillary Evaluation following Neoadjuvant Chemotherapy in Node Positive Patients. American Society of Clinical Oncology, 2/2015.
20. Black D, Caudle A, Mittendorf E, DeSnyder S, Arnes F, Wipf N, Gollihar S, Meric-Bernstam F, Dogan BE, Dryden M, Yang W, Rohren E, Gilcrease M, Kuerer H, Hunt, K. Implementing a Radioactive Seed Localization Program in Breast Cancer Surgery: A Multidisciplinary Approach. Poster Presentation, Society of Surgical Oncology Cancer Symposium, Houston, TX, 3/2015.
21. Mittendorf EA, Dogan B, Morgan R, Chargin A, Wu Y, Cornett-Risher S, Shults K. Abstract P1-01-17: Integrative pathology: Analysis of cellular multiplex technology to detect proteomic, genomic and DNA data from fine needle aspiration biopsy specimens. Cancer Research. 2016; 76(4 Supplement):P1-01-17. doi: 10.1158/1538-7445.Sabcs15-p1-01-17.
22. Ma J, Son JB, Hwang KP, Dogan BE. Silicone-specific imaging using a unipolar flexible fast triple echo Dixon technique, International Society for Magnetic Resonance in Medicine, Singapore, 5/2016.
23. Dogan BE, Santiago L, Hwang R, Mittendorf EA. Feasibility of microbubble-enhanced sentinel node biopsy in breast cancer. Radiological Society of North America, Chicago, IL, 11/2016.
24. Scoggins M, Dogan B, Ma J, Wei W, Song JB, Candelaria RP, Arun B. Short breast MRI screening trial in women at high-risk for breast cancer. American Society of Clinical Oncology, Chicago, IL, 6/2017.
25. Kulkarni S, XL Y, Ganti R, Lewis M, Lenkinski R, Dogan BE. Contrast Texture-Derived MRI Radiomics Correlate with Breast Cancer Clinico-Pathological Prognostic Factors. Contrast Texture-Derived MRI Radiomics Correlate with Breast Cancer Clinico-Pathological Prognostic Factory. Radiological Society of North America, Chicago, IL, 11/2017.
26. Jordan B, Dryden M, Hunt K, Wei W, Contreras A, Dogan BE. Impact of neoadjuvant chemotherapy in intraoperative specimen radiography interpretation. Radiological Society of North America, Chicago, IL, 11/2017.
27. Neuschler EI, Butler R, Young CA, Barke LD, Bertrand ML, Bohm-Velez M, Destounis S, Donlan P, Grobmyer SR, Katzen J, Kist KA, Lavin PT, Makariou EV, Parris TM, Schilling KJ, Tucker FL, Dogan BE. A Pivotal Study of Optoacoustic Imaging to Diagnose Benign and Malignant Breast Masses: A New Evaluation Tool for Radiologists. Radiological Society of North America, Chicago, IL, 11/2017.
28. Santiago L, Dogan BE. Grayscale ultrasound findings of sentinel lymph nodes identified on microbubble contrast enhanced ultrasound. Radiological Society of North America, Chicago, IL, 11/2017.
29. Willis BJ, Dogan B, Arun B, Hash S, Son JB, Stafford RJ, Ma J, Scoggins M. High-Value of Short Breast MRI for Screening Patients at High Risk for Breast Cancer. International Society for Magnetic Resonance in Medicine - Radiological Society of North America Workshop, Washington, DC, 2017.
30. Hayes J, Merchant K, Dogan BE. BI-RADS Category 3 Lesions in Young Women Imaged in a Tertiary University Versus Safety-Net Hospital Setting: Is there an Impact of Healthcare Disparity? Radiological Society of North America, Chicago, IL, 11/2018.
31. Dogan BE, Menezes G, Stravros T, Neuschler E, Butler R, Aitchison R, Tucker F, Otto P, Grobmyer S. Optoacoustic Imaging (OA/US) Features of Breast Cancers Help Predict Molecular Subtypes. High Impact Clinical Trials Session, Radiological Society of North America, Chicago, IL, 11/2018.
32. Li W, Newitt D, Yun BL, Kornak J, Joe B, Yau C, Abe H, Wolverton D, Crane E, Ward K, Nelson M, Niell B, Drukteinis J, Oh K, Brandt K, Bang KH, Ojeda H, Eghtedari M, Sheth P, Bernreuter W, Umphrey H, Rosen M, Dogan B, Yang W, Esserman L,

Hylton N. MRI detection of residual disease following neoadjuvant chemotherapy (NAC) in the I-SPY 2 TRIAL. American Association for Cancer Research. San Antonio Breast Cancer Symposium Volume, San Antonio Breast Cancer Conference, 12/2018.

1. van der Noordaa ME, Esserman L, Yau C, Mukhtar R, Price E, Hylton N, Abe H, Wolverton D, Crane EP, Ward KA, Nelson M,

Niell BL, Oh K, Brandt KR, Bang DH, Ojeda-Fournier H, Eghtedari M, Sheth PA, Bernreuter WK, Umphrey H, Rosen MA,

Dogan B, Yang W, Joe B, van 't Veer L, Hirst G, Lancaster R, Wallace A, Alvaredo M, Symmans F, Asare S, Boughey JC, ISPY2 Consortium. Role of breast MRI in predicting pathologically negative nodes after neoadjuvant chemotherapy in cN0 patients in the I-SPY2 trial. Aerocam Association for Cancer Research, San Antonio Breast Cancer Symposium Volume, San Anotnio Breast Cancer Conference, San Antonio, TX, 2/2019.

1. Jong SB, Scoggins EM, Dogan BE, Hwang KP, Ma J. Deep Neural Network for Single-Point Dixon Imaging with Flexible Echo Time. International Society for Magnetic Resonance in Imaging, Montréal, QC, Canada, 5/2019.
2. Polat D, Merchant K, Omar L, Compton L, Hayes J, Dogan B. 120th American Roentgen Ray Society: Is BI-RADS Category 3 assessment leading to unnecessary imaging and biopsies? Follow-up compliance, Biopsy and Malignancy rates. #E1297. 5/2020
3. Jong Bum Son, Ken-Pin Hwang, Marion E. Scoggins, Basak E. Dogan, Gaiane M. Rauch, Mark D. Pagel, and Jingfei Ma.

2. Water and Fat Separation with a Dixon Conditional Generative Adversarial Netwk. International Society for Magnetic Resonance in Medicine Annual Virtual Meeting, September 2020.

1. Jong Bum Son, Ken-Pin Hwang, Marion E. Scoggins, Basak E. Dogan, Gaiane M. Rauch, Mark D. Pagel, and Jingfei Ma. SemiSupervised Image Domain Transfer for Dixon Water and Fat Separation. International Society for Magnetic Resonance in Medicine Annual Virtual Meeting, 9/2020.
2. Son JB, Dogan BE, Scoggins ME, Rausch F, Ma J. AI in Dixon image generation. International Society of Magnetic Resonance in Medicine Annual Virtual Meeting, September 2020.
3. Polat DS, Merchant K, Hayes J, Omar L, Compton L, Dogan BE. Is BI-RADS Category 3 Assessment Leading to Unnecessary Imaging and Biopsies? Follow-up Compliance, Biopsy and Malignancy Rates. Radiological Society of North America Annual Virtual Meeting, 12/2020.
4. Polat DS, Kulkarni K, Xi Y, Lewis M, Lenkinski R, Dogan BE. Breast MRI Radiomics for Predictive Modeling of Breast Cancer Metastasis: External validation of a single-institutional model with bi-institutional testing. Radiological Society of North America Annual Virtual Meeting, December 2020.
5. Zhu H, Polat DS, Xi Y, Evans WP, Mootz A, Dogan BE. Is There a Difference in the Diagnostic Outcomes of Calcifications Initially identified on Synthetic Tomosynthesis versus Full-Field Digital Mammography Screening? Radiological Society of North America Annual Virtual Meeting, December 2020.
6. Polat DS, Merchant K, Hayes J, Omar L, Compton L, Dogan BE. Is BI-RADS Category 3 Assessment Leading to Unnecessary Imaging and Biopsies? Follow-up Compliance, Biopsy and Malignancy Rates. Radiological Society of North America Annual Virtual Meeting, December 2020.
7. Torkzaban M, Dogan B , James D, Wessner C, Porembka J, Machado P, Ozcan B, Unni N, Abu-Khalaf M, Hoyt K, Forsberg F. Preliminary Results from the Multi-Site Study of Predicting Neoadjuvant Chemotherapy Response in Breast Cancer

Patients Using 3D Subharmonic Aided Pressure Estimation (SHAPE). 2023 IEEE International Ultrasonics Symposium 9/2023

Educational Exhibit

1. Dogan BE, Ma J, Whitman GJ. Optimizing clinical breast MRI: How to identify common artifacts and correct them. International Society for Magnetic Resonance in Medicine, Montreal, Canada, 5/2011.
2. Whitman GJ, Le-Petross HC, Dogan BE, Adrada B, Stafford RJ. Tissue harmonic imaging in breast ultrasound: Help or hindrance? Radiological Society of North America, Chicago, IL, 11/2011.
3. Adrada B, Whitman GJ, Crosby M, Carkaci S, Dryden MJ, Dogan BE. Imaging of the reconstructed breast. Radiological Society of North America, Chicago, IL, 11/2011. (Awarded Certificate of Merit)
4. Gonzalez P, Whitman G, Dryden M, Liu P, Dogan B. Is Ductography Still Warranted in the 21st Century? American Roentgen Ray Society, Vancouver, Canada, 5/2012
5. Dogan B. Sonography and sonographically-guided needle biopsy of internal mammary lymph nodes in breast cancer. Radiological Society of North America, Chicago, IL, 11/2012.
6. Dogan BE, Dryden MJ, Poston J, Erwin W, Wendt R, Wagner J. How to start a successful I-125 pre-operative breast localization program in your institution. Radiological Society of North America, Chicago, IL, 11/2013. (Awarded Certificate of Merit)
7. Kalambo M, Dogan BE, Santiago L, DeSnyder S, Gilcrease M, Whitman G. Step-by-Step: Planning a Needle Localization Procedure, Radiological Society of North America, Chicago, IL, 12/2014.
8. Huang M, Adrada B, Scoggins M, Lane D, Dogan BE. Tomosynthesis-guided Breast Biopsy: Nuts and Bolts, Radiological Society of North America, Chicago, IL, 12/2014.
9. Breast MRI in Ductal Carcinoma in Situ With Emphasis on DWI. American Roentgen Ray Society, New Orleans, LA, May 2017.
10. Clark H, Hayes J, Merchant K, Compton L, Omar L, Dogan BE. How to manage breast lesions in women younger than 30 years. Education Exhibit, Radiological Society of North America, Chicago, IL, 11/2018.
11. Zhu H, Dogan BE. American Joint Committee on Cancer’s Staging System for Breast Cancer, Eighth Edition: Pictorial Guide for Radiologists. Radiological Society of North America Annual Virtual Meeting, December 2020.
12. Ou W, Polat DS, Dogan BE. Artificial Intelligence in Breast Imaging: Past, Present, and Future. Radiological Society of North America Annual Virtual Meeting, December 2020. (Awarded Certificate of Merit)

FORMAL TEACHING OF RESIDENTS, CLINICAL FELLOWS AND RESEARCH (POST DOCTORAL) FELLOWS

Year(s): 2005

Talk Title: Dynamic Breast MRI, Breast Imaging Seminar

Institution: Advanced Health Education Mammography Center, Houston, TX

Audience: Breast Imaging Tech Effort: 1 hr.

Year(s): 2008

Talk Title: Breast MRI

Institution: University of Texas MD Anderson Cancer Center, Houston, TX

Audience: Surgery Fellows Effort: 1 hr.

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| Year(s): | 2008-2010 |
| Talk Title: | Breast Ultrasound Course |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Surgery Fellows 1hr. |
| Year(s): | 2012 |
| Talk Title: | Breast Ultrasound Focus Sessions |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Ultrasound Technologists 2hrs. |
| Year(s): | 2013-2015 |
| Talk Title: | Clinical Applications of Breast MRI |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Breast Imaging Fellows 2hrs. |
| Year(s): | 2013-2015 |
| Talk Title: | Basic Breast MRI Physics and Artifacts |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Breast Imaging Fellows 1hr. |
| Year(s): | 2013-2015 |
| Talk Title: | Advanced Breast MRI Applications |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Breast Imaging Fellows 2hrs. |
| Year(s): | 2013-2015 |
| Talk Title: | Basic Breast MRI |
| Institution: | University of Texas Health Medical School in Houston, Houston, TX |
| Audience: Effort: | Residents 1hr. |
| Year(s): | 2015 |
| Talk Title: | Resident Board Review |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Audience: Effort: | Residents  1.5 hours weekly |
| Year(s): | 2016 |
| Talk Title: | Breast Cancer Molecular Subtypes - October 2016 |
| Institution: | University of Texas Southwestern Medical Center, Dallas, TX |
| Audience: | Residents |
| Effort: | 1hr. |

Year(s): 2017

Talk Title: Breast MRI Cases - May 2017

Institution: University of Texas Southwestern Medical Center, Dallas, TX

Audience: Residents Effort: 1hr.

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| Year(s): | 2018-now |
| Talk Title: | Diagnostic Radiology Breast Imaging Division-Based Conference |
| Institution: | University of Texas Southwestern Medical Center, Dallas, TX |
| Audience: | Residents |
| Effort: | 8-10 hours yearly |

CLINICAL SUPERVISORY AND TRAINING RESPONSIBILITIES

Year(s): 2008-2009

Institution: University of Texas MD Anderson Cancer Center, Houston, TX Responsibilities: Breast Imaging Fellow, Maia Rauch, M.D. Effort:

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| Year(s): | 2008-2009 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities:  Effort: | Radiology Residents: Drs. Gustav Blomquist, Rosalind Candelaria, Jackson Hamilton, Jennifer Lin, Marcelle Mallery, Vicky Mukhi, Bhumi Rawal, John Surratt, Davis Teichgraeber, Andrew Tenn, Nicolaus Wagner-  Bartak, Erin Winston |
| Year(s): | 2009-2010 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities:  Effort: | Radiology Residents: Drs. Bradley Hatfield, Paul Lee, Kavin Malhotra, Sarah Martaindale, Fawzi Mohammad, Peter Sedrak, Adrian Wong |
| Year(s): | 2009-2010 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Christopher Sherman, M.D., Erin Winston, M.D., Rosalind Candelaria, M.D. |
| Year(s): | 2010 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Breast Imaging Fellow: Julia Neperud, M.D. |
| Year(s): | 2010-2011 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities:  Effort: | Breast Imaging Fellows and Residents: Srigouri Yalamanchili, M.D., Hongying He, M.D., Taletha Smith, M.D. |

Year(s): 2011

Institution: University of Texas MD Anderson Cancer Center, Houston, TX Responsibilities: Breast Imaging Fellow: Sarah Martaindale, M.D. Effort:

Year(s): 2011-2012

Institution: University of Texas MD Anderson Cancer Center, Houston, TX Responsibilities: Breast Imaging Fellow: Marion Scoggins, M.D., Pedro Gonzalez, M.D Effort:

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| Year(s): | 2012 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Breast Imaging Fellow: David Saldana, M.D |
| Year(s): | 2012-2013 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Ana Benveniste, M.D., Ashley Bragg, M.D., Megan Kalambo, M.D. |
| Year(s): | 2013 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Mediget Teshome, M.D., Julie Cupp, M.D., 8/2013 |
| Year(s): | 2013-2014 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities:  Effort: | Breast Imaging Fellows: Mohammad Eghtedari, M.D., PhD, Jennifer Schopp, M.D., Monica Huang, M.D., Ravinder Legha, M.D. |
| Year(s): | 2014-2016 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: Effort: | Modupe Adeyefe, M.D., Megan Speer, M.D., Jeri Sue Plaxco, M.D., Toma Omofoye, M.D. |
| Year(s): | 2016-2017 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Rishi Arya, M.D., Hilary Brazeal, M.D., Samir Kulkarni, M.D. |
| Year(s): | 2017-2018 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Serine Baydoun, M.D., Holly Jumper, M.D., Brian Weber, M.D. |
| Year(s): | 2018-2019 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Kristine Burk, M.D., Ramapriya Ganti, M.D., Jordan Goldberg, M.D. |
| Year(s): | 2019-2020 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: Effort: | Breast Imaging Fellows: Alison Palumbo, M.D., Natalie Stratemeier, M.D., Meghan Woughter, M.D. |

Year(s): 2020-2021

Institution: UT Southwestern Medical Center, Dallas, TX

Responsibilities: Breast Imaging Fellows: Eugenia Payne, M.D., Mahmud Shurafa, M.D., Richard Ahn, M.D. Effort:

LABORATORY AND OTHER RESEARCH SUPERVISORY AND TRAINING RESPONSIBILITIES

Year(s): 2008-2009

Institution: University of Texas MD Anderson Cancer Center, Houston, TX

Responsibilities: El Shaimaa Sharaf, M.D., Observer

Effort: Research Mentor, Global Oncology Program

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| Year(s): | 2009 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Ahmad Abuain, M.D., Observer |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2009 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Yien Sien Lee, M.D., Observer |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2009 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Qusay Awad, M.D., Observer |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2010 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Margaret Adejolu, M.D., Observer |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2010-2011 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Mohammed Quraishi, M.D. |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2010-2013 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Inanc Guvenc, M.D., Observer |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2011-2012 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Mi Park, M.D. |
| Effort: | Research Mentor, Global Oncology Program |
| Year(s): | 2012 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Vilert Loving, M.D., Banner Observer |
| Effort: | Research Mentor |
| Year(s): | 2012 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Ofelia Valencia, M.D., Mentor, Observer |
| Effort: | Research Mentor |

Year(s): 2012-2013

Institution: University of Texas MD Anderson Cancer Center, Houston, TX

Responsibilities: Daniel Chee, M.D., Observer

Effort: Research Mentor

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| Year(s): | 2013-2014 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Cuiyan Wang, Ph.D., Observer |
| Effort: | Research Mentor to Visiting Scientist |
| Year(s): | 2013-2016 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Ana Benveniste, M.D. |
| Effort: | Research Mentor |
| Year(s): | 2014 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Alex Migiro, M.D., Observer |
| Effort: | Research Student Mentor, Academic Affairs Summer Experience |
| Year(s): | 2015-2016 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Juliana Rosenblat, M.D., Breast Imaging Fellow, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Fellow |
| Year(s): | 2015-2016 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Brian Jordan, M.D., Breast Imaging Fellow, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Fellow |
| Year(s): | 2016 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Ann Mootz, MD, Breast Imaging Faculty, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |
| Year(s): | 2016-2017 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Samir Kulkarni, MD, Breast Imaging Fellow, Research Mentor |
| Effort: | Research Mentor, Clinical Fellow, Breast Imaging |
| Year(s): | 2016-2019 |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Kanchan Phalak, M.D., MD Anderson, external research mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |
| Year(s): | 2016-now |
| Institution: | University of Texas MD Anderson Cancer Center, Houston, TX |
| Responsibilities: | Marion Scoggins, M.D., MD Anderson, external research mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |
| Year(s): | 2016-now |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Lena Omar, MD, Breast Imaging Faculty, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |

Year(s): 2016-now

Institution: UT Southwestern Medical Center, Dallas, TX

Responsibilities: Jody Hayes, MD, Breast Imaging Faculty, Research Mentor

Effort: Research Mentor, Breast Imaging Faculty

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| Year(s): | 2016-now |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Jessica Porembka, MD, Breast Imaging Faculty, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |
| Year(s): | 2016-now |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Megan Kalambo, M.D., Breast Imaging Faculty, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Faculty |
| Year(s): | 2017-2018 |
| Institution: | UT Southwestern Medical Center, Dallas, TX |
| Responsibilities: | Serine Baydoun, M.D., Breast Imaging Fellow, Research Mentor |
| Effort: | Research Mentor, Breast Imaging Fellow |

FORMAL TEACHING OF PEERS (CME ONLY)

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| Year(s): | 2015-2017 |
| Course Name: | Course Chair: "How to start a Successful Radioactive seed localization Program in your institution." University  of Texas MD Anderson Cancer, Houston, TX |

Title(s)/Topic(s) of Talks:

Location: University

of Texas MD Anderson Cancer, Houston, TX

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| Year(s): | 2015-2017 |
| Course Name: | Course Chair: "Hands-On MRI-Guided & Stereotactic Biopsy Course: A Step-by-Step Approach."  University  of Texas MD Anderson Cancer, Houston, TX |
| Title(s)/Topic(s) of Talks: Location: | University  of Texas MD Anderson Cancer, Houston, TX |
| Year(s): | 2016 |
| Course Name: | Post-Conference Course Chair: Radioactive Seed in Metastatic Axillary Lymph Nodes: Procedures and Pitfalls. National Consortium of Breast Centers (NCoBC), Las Vegas, NV. |
| Title(s)/Topic(s) of Talks: Location: | National Consortium of Breast Centers (NCoBC), Las Vegas, NV |

EDUCATIONAL COMMITTEE SERVICE

Institutional

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| Year(s) | Name Of Committee | Institution/Organization |
| 2017-2020 | Medical School Admission Committee | University of Texas Southwestern Medical School, |

GRANT SUPPORT FUNDED AND UNFUNDED PROJECTS

New / Recent Grant Awards

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| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | ECOG-ACRIN Cancer Research Group  Tomosynthesis Mammographic Imaging Screening Trial (TMIST) Co-Invest  Year(s) 2018-now |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | NCI/NIH-NCTN Network Lead Academic Participating Sites (UG1) Grant  National Cancer Trials Network (NCTN) Lead Academic Participating Sites (UG1) Grant (provide scientific leadership by helping to develop and conduct clinical trials in association with one or more adult Network Groups and contribute substantial accrual to clinical trials conducted across the entire network)  Co-Invest  $146,900.00 Year(s) 2019-2025  $734,520.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Cancer Prevention & Research Institute of Texas  Identification of pre- and on-treatment tumor microenvironment signatures of breast cancers and correlation to response.  Co-Invest  Year(s) 2019-now $525,000.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | NCI/NIH  Subharmonic-aided pressure estimation (SHAPE) contrast-enhanced ultrasound to predict breast cancer neoadjuvant therapy response  PI  $134,600.00 Year(s) 2020-now  $708,407.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Medcognetics  Artificial Intelligence to Read and Triage Digital and Tomosynthesis Mammography PI  $39,494.00 Year(s) 2021-2022  $39,494.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Seno Medical  Feasibility of Optoacoustic Imaging in the early prediction of breast cancer neoadjuvant therapy response  PI  $76,050.00 Year(s) 2021-2023  $152,100.00 |

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| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Cancer Prevention & Research Institute of Texas  Toward non-Surgical Management of ER+ Breast Cencer  PI Year(s) 2024-2028  $500,000  $2,000,000.00 |

Expired Grant Awards

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| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | National Institute of Health (NIH) 2010-0142 (ISP42)  Investigation of Serial Studies to Predict your Therapeutic Response with Imaging and Molecular Analysis. (PI: Stacy Moulder, M.D.)  Collaborator  Year(s) 2010-2016 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | NIH ACRIN 6698-2012-0145  DWI parameters to predict response to neoadjuvant chemotherapy.  PI  Year(s) 2012 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Seno Medical 2012-0638  A Pivotal Study of Imaging with Optoacoustics to Diagnose Breast Masses Detected by Mammography: A New Evaluation Tool for Radiologists. PI  $283,782.00 Year(s) 2012-2016  $367,563.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | ACRIN 6691-2012  Breast Cancer Neoadjuvant Chemotherapy Response Using Diffuse Optical Spectroscopic Imaging (DOSI): A Phase I/II Novel Technology Multi-Center Translational Study. (PI: Wei Tse Yang, M.D.) Collaborator  Year(s) 2012-2016 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | IncellDx Inc. PA14-0887  An Integrated Approach to the Proteomic and Genomic Analysis of Breast Cancer. (PI: Elizabeth  Mittendorf, M.D.)  Collaborator  Year(s) 2014 $70,000.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Genentech 2014-0580  A Phase II Randomized, Double-blind Study of Neoadjuvant Letrozole plus GDC-0032 versus  Letrozole plus Placebo in Postmenopausal Women With ER-Positive/HER-2 negative, Early Stage Breast Cancer. (PI: Vicente Valero, M.D.)  Collaborator  $70,585.00 Year(s) 2014  $140,000.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | ALLIANCE – A011106  Alternate approaches for clinical stage II or III Estrogen Receptor positive breast cancer  NeoAdjuvant Treatment (ALTERNATE) in postmenopausal women: A Phase III Study. (PI: Abigail Suzanne Caudle, M.D.)  Collaborator  Year(s) 2014 |

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| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | Diagnostic Imaging Clinical Research Committee Grant 2014-0812  Assessment of the Tumor Response to Neoadjuvant Chemotherapy in Women with Invasive  Breast Cancer using Tc99m sestamibi Molecular Breast Imaging: A Prospective Study. (PI: Gaiane Margishvili Rauch, M.D.)  Collaborator  Year(s) 2014-2016 $8,000,000.00 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | General Electric Healthcare 2014-0611  Feasibility of Ultrasound Microbubble Contrast-Enhanced (CEUS) Sentinel Lymph Node Imaging with Guided Biopsy in Breast Cancer Patients, MDACC. PI  $65,000.00 Year(s) 2014-2016 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | ACRIN 6702-2012  A Multi-center Study Evaluating the Utility of Diffusion Weighted Imaging for Detection and Diagnosis of Breast Cancer.  PI  Year(s) 2014-2016 |
| Grantor:  Title of Project:  Investigator Role:  Annual Amount:  Total Award Amount: | General Electric Healthcare 2015-0243  Feasibility of Short Breast MRI (SBMRI) for screening patients at high risk for breast cancer. PI  Year(s) 2015-2017 $585,000.00 |