

Curriculum Vitae
Ana P. Lourenco MD

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Business Address

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Education

- 1994-1998 Harvard University, Cambridge, MA. Chemistry AB June 1998
Magna Cum Laude. John Harvard Academic Scholarship.
- 1998-2002 University of Massachusetts Medical School, Worcester, MA.
MD June 2002. *Alpha Omega Alpha*.

Post Graduate Training

- 2002-2003 Internship: Roger Williams Hospital Internal Medicine Internship
Providence, RI.
- 2003-2007 Residency: Rhode Island Hospital/ Brown Medical School
Diagnostic Radiology Residency Providence, RI.
Chief Resident 2006-2007.
Haffenreffer Outstanding House Staff Award 2007.
- 2007-2008 Fellowship: Beth Israel Deaconess Medical Center Women's
Imaging Radiology Fellowship. Boston, MA.

Postgraduate Honors and Awards

2002	Alpha Omega Alpha Medical Honor Society, University of Massachusetts Medical School
2005	RSNA Trainee Research Prize for research project entitled “Stereotactic Breast Biopsy: Comparison of Histologic Underestimation Rates with 11- and 9-Gauge Vacuum Assisted Breast Biopsy.” One prize awarded per year in breast section for resident research projects.
2006-2007	Chief Resident in Radiology, Rhode Island Hospital
2008	Morrison Research Day, Beth Israel Deaconess Medical Center. Best clinical research presentation: “4 year QA Review of Cytogenetically Proven Chromosomal Abnormalities.”
2014	Dean’s Excellence in Teaching Award; Alpert Medical School of Brown University
2013-2014	Award for Excellence in Teaching; Residents In Radiology of Rhode Island Hospital
2020	Positive Champion of the Learning Environment; Alpert Medical School of Brown University

Professional Licenses

2002 - present	Rhode Island State License.
2007 – present	Massachusetts State License.

Board Certifications

2002/2003	National Board of Medical Examiners
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2007

American Board of Radiology, Diagnostic Radiology

Academic Appointments

2002-2003	Boston University Resident Faculty.
2003-2007	Brown University Resident Faculty.
2007-2008	Harvard University Fellow Beth Israel Deaconess Medical Center.
2008-2016	Assistant Professor of Diagnostic Imaging, Alpert Medical School of Brown University.
2013 – 2019	Associate Residency Program Director for Education & Faculty Development.
2014 – 2019	Director, Breast Imaging Fellowship, Alpert Medical School of Brown University.
October 2015	Accepted as a Fellow of the Society of Breast Imaging.
2019 – present	Residency Program Director, Alpert Medical School of Brown University.
2016- present	Associate Professor of Diagnostic Imaging, Alpert Medical School of Brown University.

Hospital Appointments

8/2008 – present	Staff Physician Rhode Island Hospital Providence, Rhode Island
8/2008 – present	Staff Physician Women and Infants Hospital Providence, Rhode Island
8/2008 – present	Staff Physician The Miriam Hospital Providence, Rhode Island

Other Appointments:

2007 – present.	Peer reviewer for <i>Radiology</i> .
2011 – present.	Peer reviewer for <i>American Journal of Roentgenology</i> .

2015 – 2018.	Peer reviewer for <i>Journal of Minimally Invasive Gynecology</i> .
2015 – 2018.	Peer reviewer for <i>Abdominal Imaging</i> .
2015 – 2019.	Peer reviewer for <i>Ultrasound Quarterly</i> .
2018 – present.	Peer reviewer for <i>Journal of the American College of Radiology</i> .
2013 - 2014	Course Director for New England Roentgen Ray Society Breast Imaging Refresher Course, held March 1, 2014.
2014-2015	Course Director for New England Roentgen Ray Society Breast Imaging Refresher Course, held March 5, 2016.
2014-present	Peer reviewer for <i>Academic Radiology</i> .
2018-present	Associate Editor (Education), <i>Journal of Breast Imaging</i>
2017-2018	RadExam Question Editor – APDR-ACR RadExam Award of Excellence - Bronze Level Editor
2017-2018	New England Roentgen Ray Society Treasurer
2018-present	RSNA News Editorial Board

Membership in Professional Societies

2003 – present	RSNA (Radiological Society of North America)
2003 – present	ARRS (American Roentgen Ray Society)
2003 – present	ACR (American College of Radiology)
2007 – present	AIUM (American Institute of Ultrasound in Medicine)
2007 – present	AAWR (American Association of Women Radiologists)
2009 – present	AUR (Association of University Radiologists)
2013 – present	APDR (Association of Program Directors in Radiology)

Publications List

Original Publications in Peer-Reviewed Journals

1. Paradise J, Cote J, **Lourenco A**, Howland J. “Personal Values and Sexual Decision Making in Urban Adolescent Girls.” *J Adol Health* **2001**; 28:404-409.
2. **Lourenco AP**, Mainiero MB, Lazarus E, Giri D, Schepps B. “Stereotactic breast biopsy: comparison of histologic underestimation rates with 11- and 9-gauge vacuum assisted breast biopsy.” – *AJR Am J Roentgenol.* **2007** Nov;189(5):W275-9.
3. **Lourenco AP**, Mayo-Smith WW, Tubbs RJ, Sidman R. “Does 16 detector computed tomography improve detection of non-traumatic subarachnoid hemorrhage?” – *J Emerg Med.* **2009** Feb;36(2):171-5. Epub 2008 Jun 24.
4. Lazarus E, **Lourenco AP**, Casper S, Allen RH. “Necessity of hysterosalpingography after Essure microinsert placement for contraception.” *AJR Am J Roentgenol.* **2012** Jun;198(6):1460-3.
5. **Lourenco AP**, Chung MT, Mainiero MB. “Utility of targeted sonography in management of probably benign breast lesions identified on magnetic resonance imaging.” *J Ultrasound Med.* **2012** Jul;31(7):1033-40.
6. Mainiero MB, **Lourenco A**, Mahoney MC, Newell MS, Bailey L, Barke LD, D'Orsi C, Harvey JA, Hayes MK, Huynh PT, Jokich PM, Lee SJ, Lehman CD, Mankoff DA, Nepute JA, Patel SB, Reynolds HE, Sutherland ML, Haffty BG. “ACR Appropriateness Criteria Breast Cancer Screening.” *J Am Coll Radiol.* **2013** Jan;10(1):11-4.
7. Rothschild J, **Lourenco AP**, Mainiero MB. “Screening Mammography Recall Rate: Does Practice Site Matter?” *Radiology* **2013** Nov;269(2):348-53.
8. **Lourenco AP**, Tsang Mui Chung M, Mainiero MB. “Probably Benign Breast MRI Lesions: Frequency, Lesion Type & Rate of Malignancy.” *J Magn Reson Imaging.* **2014** Apr;39(4):789-94. doi: 10.1002/jmri.24221. Epub 2013 Sep 24.
9. **Lourenco AP**, Donegan L, Khalil H, Mainiero MB. “Improving Outcomes of Screening Breast MRI with Practice Evolution: Initial Clinical Experience with 3T compared to 1.5T.” *J Magn Reson Imaging* **2014** Mar;39(3):535-9. doi: 10.1002/jmri.24198. Epub 2013 May 29.

10. Partyka L, Steinhoff M, **Lourenco AP**. “Endosalpingiosis Presenting as Multiple Pelvic Masses.” *Journal of Obstetrics and Gynaecology* **2014** Apr;34(3):279-81. Epub 2014 Jan 31.
11. **Lourenco AP**, Swenson D, Tubbs RJ, Lazarus E. “Ovarian and tubal torsion: imaging findings on US, CT, and MRI.” *Emerg Radiol.* **2014** Apr;21(2):179-87. Epub 2013.
12. Swenson D, **Lourenco AP**, Beaudoin FL, Grand DJ, Killelea AG, McGregor AJ. “Ovarian torsion: Case-control study comparing the sensitivity and specificity of ultrasonography and computed tomography for diagnosis in the emergency department.” *European Journal of Radiology.* **2014** Apr;83(4):733-8. Epub 2014 Jan 8.
13. Partyka L, **Lourenco AP**, Mainiero MB. “Detection of Mammographically Occult Architectural Distortion on Digital Breast Tomosynthesis Screening - Initial Clinical Experience.” *AJR Am J Roentgenol.* **2014** Jul;203(1):216-22.
14. **Lourenco AP**, Khalil H, Sanford M, Donegan L. “High risk lesions at MRI-guided breast biopsy: frequency and rate of underestimation.” *AJR Am J Roentgenol.* **2014** Sep;203(3):682-6.
15. **Lourenco AP**, Barry-Brooks M, Baird G, Tuttle A, Mainiero MB. “Changes in recall type and patient management following implementation of screening digital breast tomosynthesis.” *Radiology.* **2015** Feb;274(2):337-42. Epub ahead of print: 2014 Sep 22:14031.
16. Mainiero MB, **Lourenco AP**, Barke LD, Argus AD, Bailey L, Carkaci S, D’Orsi C, Green ED, Holley SO, Jockich PM, Lee SJ, Mahoney MC, Moy L, Slanetz PJ, Trikha S, Yepes MM, Newell MS. “ACR Appropriateness Criteria Evaluation of the Symptomatic Male Breast.” *J Am Coll Radiol.* **2015** Jul;12(7):678-82.
17. Tsang Mui Chung M, **Lourenco AP**, Mainiero MB. “Screening Breast MRI in Women with a Personal History of Breast Cancer.” *The Breast Journal –* **2016** Mar-Apr;22(2):252-3. doi: 10.1111/tbj.12563. [Epub ahead of print] **2015** Dec 19. doi: 10.1111/tbj.12563.
18. **Lourenco AP**, Mainiero MB. “Incorporating imaging into the locoregional management of breast cancer.” *Seminars in Radiation Oncology* **2016** Jan;26(1):17-24. doi: 10.1016/j.semradonc.2015.09.006.
19. Konrad J, Grand D, **Lourenco A**. “First Line Imaging Modality for Pregnant Patients with Suspected Appendicitis.” *Abdominal Imaging* **2015** Oct;40(8):3359-

64. doi: 10.1007/s00261-015-0540-7.

20. Kalife E, **Lourenco AP**, Baird G, Wang Y. “Clinical and Radiologic Follow-up for Biopsy Diagnosis of Radial Scar/Radial Sclerosing Lesion without other Atypia.” *The Breast Journal* **2016** Nov;22(6):637-644. doi: 10.1111/tbj.12645.
21. **Lourenco AP**, Baird GL, Slanetz PJ. “RVUs, SGR, RUC & alphabet soup: Utility of an iPad App to Teach Healthcare Economics.” *Academic Radiology* **2016** Jul;23(7):797-801. doi: 10.1016/j.acra.2015.12.027.
22. Miller MM, Slanetz PJ, **Lourenco AP**, Eisenberg RL, Kung JW. “Teaching Principles of Patient-Centered Care During Radiology Residency.” *Academic Radiology* **2016** Jul;23(7):802-9. doi: 10.1016/j.acra.2016.01.021.
23. Dibble EH, **Lourenco AP**. “Imaging Unusual Ectopics.” *American Journal of Roentgenology* **2016** Dec;207(6):1380-1392. Epub 2016 Aug 30.
24. Ward RC, Donegan L, Wang Y, Chadasvili T, **Lourenco AP**. “Glomangioma of the male breast.” *The Breast Journal*. **2017** Aug 14. doi:10.1111/tbj.12870 [Epub ahead of print]
25. Ward RC, Wiggins DL, Donegan L, Collins S, **Lourenco AP**, Mainiero MB. “BioZorb tissue marker as seen on multiple imaging modalities.” *The Breast Journal*. **2017** Jun 6. doi:10.1111/tbj.12840 [Epub ahead of print]
26. **Lourenco AP**, Cronan JJ. “Teaching and working with Millennial trainees - Impact on radiological education and work performance.” *The Journal of the American College of Radiology* **2017** Jan;14(1):92-95. Epub 2016 Aug 21.
27. **Lourenco AP**, Baird GL. “Anxiety and Breast Imaging – Can community education by a breast radiologist decrease anxiety and improve knowledge?” *The Breast Journal*. **2017** Mar 2. doi: 10.1111/tbj.12805. [Epub ahead of print]
28. Hui Y, Elco CP, Heintz N, **Lourenco AP**, Wiggins DL, Wang Y. “Diffuse Dermal Angiomatosis Mimicking Inflammatory Breast Carcinoma.” *The Breast Journal*. **2017** Jul 26. Doi:10.1111/tbj.12866 [Epub ahead of print]
29. **Lourenco AP**, DiFlorio-Alexander R, Slanetz PJ. “Breast Density Legislation in New England: A Survey Study of Practicing Radiologists.” *Academic Radiology*. **2017** May 8. pii: S1076-6332(17)30174-5. doi: 10.1016/j.acra.2017.03.009. [Epub ahead of print]
30. Moy L, Bailey L, D'Orsi C, Green ED, Holbrook AI, Lee SJ, **Lourenco AP**, Mainiero MB, Sepulveda KA, Slanetz PJ, Trikha S, Yepes MM, Newell MS. “[ACR Appropriateness Criteria® Stage I Breast Cancer: Initial Workup and](#)

[Surveillance for Local Recurrence and Distant Metastases in Asymptomatic Women.”](#) *J Am Coll Radiol.* **2017** May;14(5S):S282-S292. doi: 10.1016/j.jacr.2017.02.009.

31. Jokich PM, Bailey L, D'Orsi C, Green ED, Holbrook AI, Lee SJ, **Lourenco AP**, Mainiero MB, Moy L, Sepulveda KA, Slanetz PJ, Trikha S, Yepes MM, Newell MS. “ACR Appropriateness Criteria Breast Pain.” *J Am Coll Radiol.* **2017** May;14(5S):S25-S33. doi: 10.1016/j.jacr.2017.01.028.
32. Moy L, Heller SL, Bailey L, D'Orsi C, DiFlorio RM, Green ED, Holbrook AI, Lee SJ, **Lourenco AP**, Mainiero MB, Sepulveda KA, Slanetz PJ, Trikha S, Yepes MM, Newell MS. “ACR Appropriateness Criteria Palpable Masses.” *J Am Coll Radiol.* **2017** May;14(5S):S203-S224. doi: 10.1016/j.jacr.2017.02.033.
33. Lee SJ, Trikha S, Moy L, Baron P, diFlorio RM, Green ED, Heller SL, Holbrook AI, Lewin AA, **Lourenco AP**, Niell BL, Slanetz PJ, Stuckey AR, Vincoff NS, Weinstein SP, Yepes MM, Newell MS. “ACR Appropriateness Criteria Evaluation of Nipple Discharge.” *J Am Coll Radiol.* **2017** May;14(5S):S138-S153. doi: 10.1016/j.jacr.2017.01.030.
34. **Lourenco AP**, Benson KL, Henderson MC, Silver M, Letsios E, Tran Q, Gordon KJ, Borman S, Corn C, Mulpuri R, Smith W, Alpers J, Constantini C, Rohatgi N, Yang R, Haythem A, Biren S, Morris M, Kass F, Reese DE. "A Non-Invasive Blood-Based Combinatorial Proteomic Biomarker Assay to Detect Breast Cancer in Women Under the Age of 50 Years." *Clinical Breast Cancer* **2017** May 23. doi:10.1016/j.clbc.2017.05.004 [Epub ahead of print]
35. DiPrete O, **Lourenco AP**, Baird GL, Mainiero MB. “Screening Digital Mammography Recall Rate: Does it change after digital breast tomosynthesis experience?” *Radiology* **2017** Nov 28:170517. Doi: 10.1148/radiol.2017170517 Epub ahead of print.
36. Henderson M, Silver M, Tran Q, Letsios E, Mulpuri R, Reese D, **Lourenco A**, LaBaer J, Anderson K, Alpers J, Costantini C, Rohatgi N, Ali H, Baker K, Northfelt D, Ghosh K, Grobmyer S, Polen W, and Wolf J. “A Non-Invasive Blood-Based Combinatorial Proteomic Biomarker Assay to Detect Breast Cancer in Women over age 50 with BI-RADS 3, 4, or 5 Assessment.” *Clinical Cancer Research* **2018** – accepted. In press.
37. Dibble, E.H., **Lourenco, A.P.**, Baird, G.L. Ward, R.C., Maynard, A.S., Mainiero, M.B. (2018). Comparison of digital mammography and digital breast tomosynthesis in the detection of architectural distortion. *European Radiology.* **2018** Jan; 28(1):3-10.

38. Healey TT, Agarwal S, Patel R, Ratanaprasatporn L, Ratanaprasatporn L, **Lourenco AP**. Cancer Yield of Incidental Breast Lesions Detected on Chest Computed Tomography. *J Comput Assist Tomogr*. **2018** May/Jun;42(3):453-456.
39. Spalluto LB, DeBenedictis CM, Morrow MS, **Lourenco AP**. Advances in breast localization techniques: An opportunity to improve quality of care and patient satisfaction. *Seminars in Roentgenology* **2018** Oct; 53(4):270-279.
40. He X, Wang Y, Nam G, **Lourenco AP**, Pisharodi L. A 10 year retrospective review of fine needle aspiration cytology of cystic lesions of the breast with emphasis on papillary cystic lesions. *Diagnostic Cytopathology* **2019** May;47(5):400-403. doi: 10.1002/dc.24123. Epub 2018 Nov 23.
41. Saraiya A, Baird GL, **Lourenco AP**. Breast density notification letters and websites: Are they too ‘dense?’” *Journal of the American College of Radiology* **2019** Jan 24. pii: S1546-1440(18)31449-2. doi: 10.1016/j.jacr.2018.11.007. [Epub ahead of print]
42. Slanetz PJ, Krishnaraj A, Lee C, **Lourenco AP**. Patient portals and radiology – Overcoming hurdles. *Journal of the American College of Radiology* **2019** Apr 17. pii: S1546-1440(19)30197-8. doi: 10.1016/j.jacr.2019.02.036. [Epub ahead of print]
43. Singer T, **Lourenco AP**, Baird GL, Mainiero MB. Supplemental screening for women with dense breasts: What do practicing radiologists recommend? *Journal of Breast Imaging* **2019** Mar;1(1):32-36.
44. Ward RC, **Lourenco AP**, Mainiero MB. Ultrasound-guided breast cancer cryoablation. *American Journal of Roentgenology* **2019** Sep;213(3):716-722.
45. Dibble EH, Singer T, Baird GL, **Lourenco AP**. Dense breast ultrasound screening after digital mammography versus digital breast tomosynthesis. *American Journal of Roentgenology* **2019** Dec;213(6):1397-1402.
46. **Lourenco AP**, Baird GL. Optimizing radiology reports for patients and referring physicians: Mitigating the curse of knowledge. *Academic Radiology* **2019** May 4. pii: S1076-6332(19)30187-4. doi: 10.1016/j.acra.2019.03.026. [Epub ahead of print].
47. Shehata M, Grimm L, Ballantyne N, **Lourenco A**, DeMello LR, Kilgore MR, Rahbar H. Ductal Carcinoma in Situ – Current Concepts in Biology, Imaging and Treatment. *Journal of Breast Imaging* **2019** – Sep;1(3):166-176.
48. Rochat C, Baird GL, **Lourenco AP**. Digital mammography stereotactic biopsy versus digital breast tomosynthesis-guided biopsy: Differences in biopsy targets,

pathology results, and discordance rates. *Radiology* **2020** Jan 21:191525. doi: 10.1148/radiol.2019191525. [Epub ahead of print]

49. Ward RC, **Lourenco AP**, Mainiero MB. Implementing breast cryoablation in clinical practice. *Journal of Breast Imaging* **2020** – Jan doi.org/10.1093/jbi/wbz077 [Epub ahead of print]
50. Mehta R, **Lourenco A**, Phillips J. “A Roadmap for a Successful Breast Imaging Fellowship.” *Journal of Breast Imaging* **2020** -Feb
51. Mainiero MB, Moy L, **Lourenco AP**. Re “Molecular Breast Imaging under Threat by the Protecting Access to Medicare Act and ACR Appropriate Use Criteria.” *Journal of the American College of Radiology* **2020** Feb 12. [Epub ahead of print]
52. Boyd CA, Jayaraman MV, Baird GL, Einhorn WS, Stib MT, Atalay MK, Boxerman JL, **Lourenco AP**, Jindal G, Hidlay DT, DiBiasio EL, McTaggart RA. “Detection of emergent large vessel occlusion stroke with CT angiography is high across all levels of radiology training and grayscale viewing methods.” *Eur Radiol.* **2020** Mar 31. doi: 10.1007/s00330-020-06814-9. [Epub ahead of print]
53. Baird GL, Dibble EH, Mainiero MB, Miles RC, **Lourenco AP**. “Dense Breast Notification Letters: What Do Breast Radiologists Think?” *Journal of Breast Imaging* **2020** -18 April

Books and Book Chapters

1. **Lourenco AP** Contributor in Zagoria RJ, Mayo-Smith WW, Fielding J. *Genitourinary Imaging: Case Review Series 2nd ed.* Mosby/Elsevier, Philadelphia PA 2006.
2. **Lourenco AP** and Estroff J. “The Fetal Face and Neck.” Chapter in Rumack et al *Diagnostic Ultrasound* 2011.
3. **Lourenco AP** and Estroff J. “The Fetal Face and Neck.” Chapter in Rumack et al *Diagnostic Ultrasound* 2017.

Other Non-Peer-Reviewed Publications

1. **Lourenco AP**, Murphy T. ACR Case In Point, January 2007. Online teaching case submitted on Takayasu Arteritis; available at acr.org.
2. Mainiero MB, **Lourenco AP**. The ACGME Core Competencies: Changing the way we educate and evaluate residents. Med Health R I. **2011** Jun;94(6):164-6.
3. **Lourenco AP**, Swenson D. Imaging Diagnosis of Uterine Anomalies. Med Health RI **2012** May;95(5):155-6.
4. **Lourenco AP**, Mainiero MB. Paget's Disease of the Breast. Med Health RI **2013** April;96(4):50-51.
5. Ward RC, Wang Y, **Lourenco AP**, Mainiero MB. Symptomatic fibroadenoma resolves status post cryoablation. Rhode Island Medical Journal **2019** – accepted. In press.

Corporate Authorship or Multicenter Trials

1. Breast Cancer Biomarker Sample Collection for the DtectDx Assay Proof of Concept Protocol. Site Principal Investigator. Sponsor: Provista Diagnostics, Inc.
2. Breast Cancer Biomarker Sample Collection for the dtectDx v2.0 Assay Proof of Concept Protocol. Site Principal Investigator. Sponsor: Provista Diagnostics, Inc.
3. Effect of Preoperative Breast MRI on Surgical Outcomes, Costs and Quality of Life of Women with Breast Cancer. Site Principal Investigator. Sponsor: Alliance (Alliance for Clinical Trials in Oncology) ACRIN 6694.
4. A STUDY TO EVALUATE A PANEL OF SERUM BIOMARKERS FOR USE IN DETECTING BREAST CANCER IN MAMMOGRAPHY PATIENTS, ONC-BR 01. Site Principal Investigator. Sponsor: OncoCyte.

Peer-Reviewed Abstract Presentations

1. **Lourenco AP**, Mainiero MB, Lazarus E, Schepps B. "Stereotactic Breast Biopsy: Comparison of Histologic Underestimation Rates with 11- and 9-Gauge Vacuum Assisted Breast Biopsy." Presented November 30, 2005 at Radiological Society of North America Chicago, IL.
2. **Lourenco AP**, Mainiero MB. "Prevalence and Significance of Non-breast Findings on Breast MR." Presented November 30, 2006 at Radiological Society of North America Chicago, IL.
3. Tredennick T, Mainiero MB, **Lourenco AP**, Lazarus E. "Reasons for cancellation of MR-guided breast biopsies: Correlation of patient and lesion characteristics with likelihood of biopsy cancellation." Presented May 2007 at American Roentgen Ray Society meeting in Orlando, FL.
4. Tubbs R, Gutman D, **Lourenco A**. "Online and Interactive Case-Based Curriculum on Diagnostic Imaging Interpretation and Decision Making for Emergency Medicine Residents." Presented February 2008 at Emergency Medicine Council of Residency Directors (CORD) meeting in New Orleans, LA.
5. Tubbs R, **Lourenco A**, Smith J. "Creation of a Digital Radiographic Image Database for Emergency Medicine Residency Training." Presented February 2008 at Emergency Medicine Council of Residency Directors (CORD) meeting in New Orleans, LA.
6. **Lourenco AP**, Graham D, Levine D. "Ultrasound and MRI of Fetal Neck Abnormalities." Presented April 2008 in GU Power Hour at American Roentgen Ray Society meeting in Washington, DC.
7. **Lourenco AP**, Birch G, Levine D. "Four year Quality Assurance Review of Prenatally Diagnosed Chromosomal Abnormalities." Presented May 2008 at Morrison Research Day, Beth Israel Deaconess Medical Center, Boston, MA.
8. Romero J, Doherty D, **Lourenco AP**, Dighe MK, Ngo L, Levine D. "Reproducibility of MR Measurements in the Fetal Posterior Fossa." Presented Dec 2, 2008 at Radiological Society of North America meeting in Chicago, IL.
9. **Lourenco AP**, Birch G, Levine D. "Four year Quality Assurance Review of Prenatally Diagnosed Chromosomal Abnormalities." Presented Nov 30, 2008 at Radiological Society of North America meeting in Chicago, IL.
10. Lazarus E, Casper S, **Lourenco A**, Allen B. "Hysterosalpingography for Determination of Appropriate Placement and Tubal Occlusion Post Microinsert

- Placement for Contraception.” Presented Dec 3, 2010 at Radiological Society of North America meeting in Chicago, IL.
11. Chung M, **Lourenco AP**, Mainiero MB. “Probably Benign Breast MRI Lesions: Is “Probably” Good Enough?” Presented Nov 29, 2010 at Radiological Society of North America meeting in Chicago, IL.
 12. **Lourenco AP**, Chung M, Mainiero MB. “ Targeted “Second Look” Ultrasound for BI-RADS 3 Lesions on MRI.” Presented Nov 29, 2010 at Radiological Society of North America meeting in Chicago, IL.
 13. Khalil H, **Lourenco AP**, Donegan L, Hillstrom M, Lazarus E, Mainiero MB. “High Risk Lesions at MR guided breast biopsy: Frequency and Rate of Underestimation.” Presented Nov 30, 2011 at Radiological Society of North America meeting in Chicago, IL.
 14. Lazarus E, **Lourenco AP**, Sagaram D, Sung C. “Decidual Thickening and Mass: Sonographic Signs to Improve Early Diagnosis of Partial Molar Pregnancies.” Presented Nov 26, 2012 at Radiological Society of North America meeting in Chicago, IL.
 15. **Lourenco AP**, Rothschild J, Mainiero MB. “Mammography Recall Rate: Does Practice Site Matter?” Presented Nov 27, 2012 at Radiological Society of North America meeting in Chicago, IL.
 16. Swenson D, **Lourenco AP**, Grand DJ, Killelea A, Hsu-Hung E, Beaudoin F et al. “Diagnosis of Adnexal Torsion: CT vs US in the ED.” Presented Nov 28, 2012 at Radiological Society of North America meeting in Chicago, IL.
 17. Grand D, **Lourenco AP**, Konrad J. “MRI: First-Line Imaging Modality for Pregnant Patients with Suspected Appendicitis.” Presented April 18, 2013 at American Roentgen Ray Society meeting in Washington, DC.
 18. Barry-Brooks M, **Lourenco AP**, Mainiero MB. “Breast cancer screening pre and post-tomosynthesis: Comparison of recall rate, biopsy positive predictive value, and cancer detection rate.” Presented December 4, 2013 at Radiological Society of North America meeting in Chicago, IL.
 19. Swenson DW, **Lourenco AP**, Grand D. “Frequency of Previously Reported Ovarian Torsion Findings on Both Ultrasound and Computed Tomography.” Presented December 5, 2013 at Radiological Society of North America meeting in Chicago, IL.
 20. Kalife E, **Lourenco A**, Resnick M, Mainiero M, Wang Y. “Clinical and Radiologic Follow-up Study for Biopsy Diagnosis of Radial Scar/Radial

- Sclerosing Lesion without other Atypia.” Presented March 3, 2014 at United States & Canada Academy of Pathology meeting in San Diego, CA.
21. Konrad JS, **Lourenco AP**, Lazarus E. “The Ups and Downs of CT Utilization in Pregnancy.” Presented November 30, 2014 at Radiological Society of North America meeting in Chicago, IL.
 22. Konrad JS, Merck D, Glidden DT, Baird GL, **Lourenco AP**, Beland MD. “Improving Ultrasound Detection of Uterine Adenomyosis through Computational Texture Analysis.” Presented December 1, 2014 at Radiological Society of North America meeting in Chicago, IL.
 23. D’amico K, **Lourenco AP**, Partyka LM, Mainiero MB. “Cancer Yield of Architectural Distortion Detected on Screening Tomosynthesis.” Presented December 2, 2014 at Radiological Society of North America meeting in Chicago, IL.
 24. Kalife E, **Lourenco AP**, Resnick M, Mainiero MB, Wang Y. “Radial Sclerosing Lesions without Atypia on Core Needle Biopsy: Excision or Observation.” Presented December 3, 2014 at Radiological Society of North America meeting in Chicago, IL.
 25. Isamah N, **Lourenco AP**, Khalil H, Lazarus E. “Baby and more: Adnexal masses in pregnancy.” Presented April 23, 2015 at American Roentgen Ray Society meeting in Toronto, ONT, Canada.
 26. **Lourenco AP**, Reese DE, Corn C, Silver M, Mulpuri R, Benson K, Letsios E. “Proteomics at Work: Can a protein based blood assay help detect breast cancer in women aged 25-75 with BI-RADS 3 or 4 imaging findings?” Presented December 2, 2015 at Radiological Society of North America meeting in Chicago, IL.
 27. **Lourenco AP**, Baird G. “Community-based education about breast imaging: Does it affect anxiety associated with breast imaging?” Presented March 31, 2016 at Association of University Radiologists meeting in San Diego, CA.
 28. Miller MM, Slanetz PJ, **Lourenco AP**, Eisenberg RL, Kung JW. “Teaching principles of patient-centered care during radiology residency.” Presented March 31, 2016 at Association of University Radiologists meeting in San Diego, CA.
 29. Dibble EH, **Lourenco AP**, Baird GL, Ward RC, Maynard AS, Mainiero MB. “Interobserver variability in detection of architectural distortion: Comparison of digital mammography and digital breast tomosynthesis.” Presented November 27, 2016 at Radiological Society of North America meeting in Chicago, IL.

30. Singer TM, **Lourenco AP**, Baird GL, Wang H, Wang Y, Mainiero MB. “Lobular carcinomas in the era of digital breast tomosynthesis: Are imaging findings changing?” Presented November 29, 2016 at Radiological Society of North America meeting in Chicago, IL.
31. Dibble EH, Singer TM, Jimoh N, Baird GL, **Lourenco AP**. “Ultrasound screening after digital mammography versus digital breast tomosynthesis.” Presented November 27, 2017 at Radiological Society of North America meeting in Chicago, IL. *Winner of Roadie 2017 Award for the most popular abstract by page views in AuntMinnie.com’s Road to RSNA ultrasound section.*
32. Chu A, Pan I, Merck D, **Lourenco A**. “Predicting Breast Nodule Malignancy with Efficient Convolutional Neural Networks.” Presented September 9, 2018 at Scientific Conference on Machine Intelligence in Medical Imaging (C-MIMI) in San Francisco, CA.
33. Chung M, Baird GL, Mainiero MB, Lee J, Ward RC, DeMello LR, Carpentier BM, Ram S, **Lourenco AP**. “Reliability of Architectural Distortion Measurements Using Digital Breast Tomosynthesis.” Presented April 11, 2019 at Association of University Radiologists meeting in Baltimore, MD.
34. Dibble EH, Singer TM, Baird GL, **Lourenco AP**. “BI-RADS 3 on Dense Breast Screening Ultrasound after Digital Mammography versus Digital Breast Tomosynthesis.” Presented December 2, 2019 at Radiological Society of North America meeting in Chicago, IL.
35. Ram S, Regen-Tuero H, Baird GL, **Lourenco AP**. “Compliance and Utility of 6 month Follow-up MRI After a Benign Concordant MR Breast Biopsy.” Presented December 6, 2019 at Radiological Society of North America meeting in Chicago, IL.
36. Rochat C, Baird GL, **Lourenco AP**. “Tomosynthesis-guided Breast Biopsy versus Stereotactic Biopsy: What’s So Different?” Presented December 6, 2019 at Radiological Society of North America meeting in Chicago, IL.
37. Yan P, DeMello L, Baird GL, Wang Y, **Lourenco AP**. “Radial Scars in the Era of Digital Breast Tomosynthesis: What is the Rate of Upgrade to Malignancy?” Presented December 6, 2019 at Radiological Society of North America meeting in Chicago, IL.
38. Saraiya A, Dibble EH, **Lourenco AP**, Ward RC, Baird GL, Mainiero MB. “Supplemental dense breast screening with ultrasound versus abbreviated MRI in non-high risk women.” To be presented May 3-8, 2020 at American Roentgen Ray Society meeting in Chicago, IL.

Peer-Reviewed Electronic Scientific Exhibits

1. **Lourenco AP**, Graham D, Levine D. “Ultrasound and MRI of Fetal Neck Abnormalities.” Presented April 2008 at American Roentgen Ray Society meeting in Washington, DC.
2. **Lourenco AP**, Birch G, Levine D. “Four year Quality Assurance Review of Prenatally Diagnosed Chromosomal Abnormalities.” Presented Nov 30, 2008 at Radiological Society of North America meeting in Chicago, IL.
3. **Lourenco AP**, Amos E, Lazarus E. “Imaging the Unexpected: Ectopic Pregnancies in Unusual Locations.” Presented November 2012 at Radiological Society of North America meeting in Chicago, IL.
4. **Lourenco AP**, Swenson D, Tubbs RJ, Lazarus E. “Adnexal Torsion: More than Ovaries at Risk.” Presented November 2012 at Radiological Society of North America meeting in Chicago, IL.
5. M Tsang Mui Chung, **Lourenco AP**, Mainiero MB. “Screening Breast MRI in Women with a Personal History of Breast Cancer.” Presented Nov 28, 2012 at Radiological Society of North America meeting in Chicago, IL.
6. Tubbs R, **Lourenco AP**, Egglin T. “Proximal Tibial Fractures: When X-Rays Aren’t Enough.” Presented April 2013 at American Roentgen Ray Society meeting in Washington DC.
7. Partyka L, Khalil H, Lazarus E, **Lourenco AP**. “Adnexal Torsion: It’s Not All About the Ovaries.” Presented April 2013 at American Roentgen Ray Society meeting in Washington DC.
8. Partyka L, **Lourenco AP**, Mainiero MB. “Detection of Mammographically Occult Architectural Distortion on Screening Digital Breast Tomosynthesis: Anomaly or Epidemic?” Presented April 2013 at American Roentgen Ray Society meeting in Washington DC.
9. Ellermeier A, Swenson DW, **Lourenco AP**, Herliczek T. “Emergent MR Imaging of Right Lower Quadrant Pain in Children: Appendicitis and Mimics.”

Presented October 2013 at American Society of Emergency Radiology Annual Scientific Meeting and Postgraduate Course in Cambridge, MA.

10. Swenson DW, **Lourenco AP**, Grand D. “Findings of Ovarian Torsion When CT is the First Study Performed in the Emergency Department.” Presented October 2013 at American Society of Emergency Radiology Annual Scientific Meeting and Postgraduate Course in Cambridge, MA.

11. Zhang J, Lazarus E, **Lourenco AP**. “From Common to Complicated: The Range and Appearance of Uterine Leiomyomas.” Presented December 2013 at Radiological Society of North America meeting in Chicago, IL.

12. Dibble E, Lazarus E, **Lourenco AP**. “Essure Micro-inserts for Permanent Sterilization: Typical Appearance and Common Complications Demonstrated on Hysterosalpingography.” Presented December 2013 at Radiological Society of North America meeting in Chicago, IL.

13. Loverme W, **Lourenco AP**, Mainiero MB. “Assessing Axillary Lymph Nodes: Benign or Malignant?” Presented December 2013 at Radiological Society of North America meeting in Chicago, IL.

14. March BT, **Lourenco AP**, Lazarus E. “Sonohysterography: A Safe and Low Cost Method for Evaluating Endometrial Pathology.” Presented December 2013 at Radiological Society of North America meeting in Chicago, IL.

15. Partyka LM, **Lourenco AP**, Mainiero MB. “Looking Behind the Scenes: Tomosynthesis Appearance of Benign and Malignant Breast Disease.” Presented December 2013 at Radiological Society of North America meeting in Chicago, IL.

16. Isamah N, **Lourenco AP**, Khalil H, Lazarus E. “Looking Beyond the Baby: Adnexal Masses in Pregnancy.” Presented May 2014 at American Roentgen Ray Society meeting in San Diego, CA.

17. Negrete LM, Lazarus E, **Lourenco AP**. “Imaging the Post-Cesarean Uterus: Acute and Chronic Sequelae.” Presented December 2014 at Radiological Society of North America meeting in Chicago, IL.

18. Harman A, **Lourenco AP**. “The Unique Uterus: Imaging of Mullerian Duct Anomalies.” Presented April 2015 at the American Roentgen Ray Society meeting in Toronto, ONT, Canada.

19. Harman AL, Negrete LM, **Lourenco AP**, Mainiero MB, Lomme M. “Demystifying Distortions: The Spectrum of Disease in Architectural Distortion Detected By Tomosynthesis.” Presented December 2015 at Radiological Society of North America meeting in Chicago, IL.
20. Dibble EH, Li J, Wang Y, **Lourenco AP**. “Nipple Changes and More: The Varied Presentations and Imaging Findings of Paget’s Disease of the Breast.” Presented December 2015 at Radiological Society of North America meeting in Chicago, IL.
21. Hart AR, Konrad JS, Swenson DW, Grand DJ, **Lourenco AP**. “But It’s not the Appendix: Mimics of Acute Appendicitis in Pregnancy.” Presented December 2015 at Radiological Society of North America meeting in Chicago, IL.
22. Ward RC, Negrete LM, Lazarus E, **Lourenco AP**, Lomme M. “Where To Go From Here?: Interactive Radiologic — Pathologic Case Review and Step-by-Step Management of Breast MRs Given BI-RADs 3, 4, or 5.” Presented December 2015 at Radiological Society of North America meeting in Chicago, IL. *Awarded Certificate of Merit by RSNA.*
23. Ward RC, Negrete LM, Lazarus E, **Lourenco AP**, Lomme M. “MR Only Detected Breast Masses Pictorial Review of Radiologic and Pathologic Findings: The Spectrum of BI-RADS 4 and 5 Lesions.” Presented December 2015 at Radiological Society of North America meeting in Chicago, IL.
24. Dibble EH, Li J, Wang Y, **Lourenco AP**. “Sensitivity of Mammogram, Ultrasound, and MRI for detecting malignancy in pathologically-proven Paget’s disease of the breast.” Presented April 7-10, 2016 at Society of Breast Imaging meeting in Austin, TX.
25. Cobb C, **Lourenco AP**, Dibble EH, Wang Y, Lazarus E. “Will you pass the test: Radiologic and pathologic spectrum of architectural distortion on mammography and digital breast tomosynthesis.” Presented November 26-December 2, 2016 at Radiological Society of North America meeting in Chicago, IL.
26. Boyd C, Lazarus E, **Lourenco AP**. “The varied faces of early molar pregnancy.” Presented November 26-December 2, 2016 at Radiological Society of North America meeting in Chicago, IL.
27. Furman MS, Dibble EH, **Lourenco AP**, Swenson DW, Cassese JA. “From fetal life to childhood: Varied appearances of congenital pleuroperitoneal cavity abnormalities.” Presented April 30-May 5, 2017 at the American Roentgen Ray Society meeting in New Orleans, LA.

28. Dibble EH, Furman MS, **Lourenco AP**, Swenson DW, Boxerman JL, Cassese JA. "What can go wrong: Pediatric neuroaxis abnormalities from fetal life to neonatal life." Presented April 30-May 5, 2017 at the American Roentgen Ray Society meeting in New Orleans, LA.
39. Blatch S, Dibble EH, **Lourenco AP**, Lazarus E. "Ultrasound screening is here: Are you ready?" Presented November 25-December 1, 2017 at Radiological Society of North America meeting in Chicago, IL.
29. Singer TM, Dibble EH, Jimoh N, Wang Y, Khalil HI, **Lourenco AP**. "Will you pass the test? Radiology-pathology correlation of infectious, inflammatory and vascular lesions of the breast." Presented November 25-December 1, 2017 at Radiological Society of North America meeting in Chicago, IL. *Awarded Certificate of Merit by RSNA.*
30. Singer TM, Dibble EH, DeMello L, Mainiero MB, **Lourenco AP**. "Coarse versus coarse heterogeneous calcifications: Do these need a biopsy?" Presented November 25-December 1, 2017 at Radiological Society of North America meeting in Chicago, IL.
31. Liu AR, Lazarus E, **Lourenco AP**, Ward RC, Swenson DW. "Congenital urinary tract dilation: A case-based argument for standardizing ultrasound protocols between prenatal and pediatric imaging." Presented November 25-December 1, 2017 at Radiological Society of North America meeting in Chicago, IL.
32. Singer T, Jimoh N, Dibble EH, Wang Y, **Lourenco AP**. "To biopsy or not to biopsy? That is the question in male breast disease. Radiology-Pathology correlation of male breast disease." Presented April 12-15, 2018 at Society of Breast Imaging and ACR Breast Imaging Symposium in Las Vegas, NV.
33. Singer TM, Dibble EH, **Lourenco AP**. "But ...she's pregnant! Appropriate use of CT and CT alternatives to protect both Mom and fetus." Presented November 25-December 1, 2018 at Radiological Society of North America meeting in Chicago, IL. *Awarded Certificate of Merit by RSNA.*
34. DeMello L, Ward RC, Mainiero MB, **Lourenco AP**. "Freezing instead of excising: Cryoablation for breast cancer - How it's done." Presented November 25-December 1, 2018 at Radiological Society of North America meeting in Chicago, IL. *Awarded Magna Cum Laude Award by RSNA.*
35. DeMello L, **Lourenco AP**. "Tumor Biology and Imaging Manifestations: Can You Match the Imaging Findings to the Correct Tumor Type?" Presented November 25-December 1, 2018 at Radiological Society of North America meeting in Chicago, IL.

36. Dietsche E, Ram S, Ward RC, **Lourenco AP**. “Imaging the Post Mastectomy and Post Implant Breast: Challenges and Pitfalls.” Presented December 1 – December 6, 2019 at Radiological Society of North America meeting in Chicago, IL.
37. Saraiya A, Ward RC, **Lourenco AP**, Mainiero MB. “Freezing instead of cutting: Cryoablation for the treatment of breast cancer and symptomatic fibroadenomas.” To be Presented April 16-19, 2020 at Society of Breast Imaging Symposium meeting in Denver, CO – cancelled due to Covid-19
38. Dietsche E, Ram S, Ward RC, **Lourenco AP**. “BioZorb and Beyond: Postoperative imaging of breast cancer patients.” To be presented May 3-8, 2020 at American Roentgen Ray Society meeting in Chicago, IL – cancelled due to Covid-19
39. Wadood Z, Dibble EH, Yoo DH, **Lourenco AP**. “Breastfeeding: What the radiologist should know.” To be presented May 3-8, 2020 at American Roentgen Ray Society meeting in Chicago, IL – cancelled due to Covid-19

Peer-Reviewed Scientific Posters

1. Ratanaprasatporn L, Ratanaprasatporn L, **Lourenco AP**, Healey T,. “Incidental Breast Findings on Chest CT: You Can’t Diagnose What You Don’t See!” Presented March 2014 at Society of Thoracic Radiology Annual Meeting in San Antonio, TX.
2. Farnam J, **Lourenco AP**. “IUD Complications.” Presented April 2014 at Association of University Radiologists Annual Meeting in Baltimore, MD.
3. **Lourenco A**, Foley SM, Morrell E, Smith W, Benson KL, Henderson MC, Letsios E, Mulpuri R, Silver M, Corn C, Borman S, Alpers J, Kass F, Rohatgi N, Ried L, Jacobs D, Morris M, Constantini C, Mason J, Lucisano J, Ali H, Yang R, Reese DE. “Human Breast Cancer Combinatorial Biomarker Serum Biopsy: Results from Provista-001 a Multi-Center Prospective Study of Protein Signatures Used in Detection of Invasive Breast Cancer/DCIS in Women Under the Age of 50 with a BI-RADS 3 or 4 Assessment.” Presented February 2015 at 32nd Annual Miami Breast Cancer Conference in Miami Beach, FL.
4. Wang H, **Lourenco AP**, Wang Y. “Rare adenoid cystic carcinoma of the breast mimicking infiltrating syringomatous tumor of the nipple and low grade

- adenosquamous carcinoma: a case report.” Presented October 6, 2015 at College of American Pathologists meeting in Nashville, TN.
5. Patil PA, **Lourenco AP**, Aswad B, Wang Y. "Infiltrating Ductal Carcinoma With Comedo-necrosis And Pseudo-myoepithelial Like Layer, Mimicking High-grade Ductal Carcinoma In Situ (DCIS) - A Case Report.” Presented September 25, 2016 at College of American Pathologists meeting in Las Vegas, NV.
 6. He X, Wood SM, **Lourenco AP**, Yakirevich E, Wang Y. “Lupus Gastrointestinal Vasculitis Involving Small and Medium Vessels in a Young Woman Presenting with Multiple Intestinal Perforations.” Presented September 25, 2016 at College of American Pathologists meeting in Las Vegas, NV.
 7. Chapman KB, Copeland K, Kidd J, Qiu L, Sheibani N, Tam O, Friedman L, Korn R, Fiorica J, **Lourenco AP**, Suthers S, Hesterberg L. “Development of a panel of serum-based protein biomarkers for the non-invasive detection of breast cancer in BI-RADS category 4 patients.” Presented December 9, 2016 at San Antonio Breast Cancer Symposium in San Antonio, TX.
 8. Furman M, Tsang Mui Chung M, Xiong L, Baird GL, Swenson DW, **Lourenco AP**. “More than a report: Improving quality and adding value via interdisciplinary conferences.” Presented April 4, 2017 at Alpert Medical School of Brown University Medical Education Scholarship Poster Session in Providence, RI.
 9. Furman M, Tsang Mui Chung M, Xiong L, Baird GL, Swenson DW, **Lourenco AP**. “More than a report: Improving quality and adding value via interdisciplinary conferences.” Presented May 8-11, 2017 at Association of University Radiologists Annual Meeting in Hollywood, FL.
 10. Furman M, Tsang Mui Chung M, Xiong L, Baird GL, Swenson DW, **Lourenco AP**. “More than a report: Improving quality and adding value via interdisciplinary conferences.” Presented October 8-9, 2017 at High Value Practice Academic Alliance, 2017 National Symposium in Baltimore, MD.
 11. Nam G, Singer TM, **Lourenco AP**, Wang Y. “Mass forming cholesteroloma of the breast: a case series of 43 patients with radiology correlation.” To be presented at United States & Canadian Academy of Pathology’s 107th Annual Meeting in Vancouver, British Columbia, Canada, March 17-23, 2018.
 12. Ward RC, **Lourenco AP**, Mainiero MB. Breast cancer cryoablation: offering patients a choice. National Consortium of Breast Centers 28th Annual Interdisciplinary Breast Center Conference, March 9-12, 2018. Las Vegas, NV.
 13. Ward RC, **Lourenco AP**, Mainiero MB. Breast cancer cryoablation: an

alternative to surgical excision. Breast Pathology and Cancer Diagnosis 5th International Meeting, April 4-5, 2018. Miami, FL.

Invited Presentations

1. Women's Imaging Symposium at Women & Infants Hospital Providence, RI. October 1, 2011 "Name That Diagnosis – Ob/Gyn Emergencies"
2. Imaging for the Primary Care Provider Coastal Medical CME Providence, RI. November 4, 2011 "Breast Cancer Screening – The Old, The New, and The Up & Coming"
3. Brown Emergency Medicine Residency Didactic Conference Providence, RI. November 23, 2011 "Name That Diagnosis – Ob/Gyn Emergencies"
4. American Roentgen Ray Society Meeting May 2, 2012 in Vancouver, BC Canada "Breast Axillary Lymph Node Evaluation and Management."
5. Contemporary Diagnostic and Interventional Radiology for Primary Care, Brown CME, "Breast Cancer Screening and Breast MRI." November 3, 2012. Providence, RI.
6. Brown Obstetrics & Gynecology Residency Core Curriculum Lecture Providence, RI. December 19, 2012 "OB/Gyn Emergencies."
7. Women & Infants Hospital Breast Imaging Fellowship Didactic Lecture Providence, RI. February 1, 2013 "Breast Cancer Screening: The Old, The New, and The Up & Coming."
8. New England Roentgen Ray Society Ultrasound Refresher Course Waltham, MA. March 2, 2013 "Imaging the Unusual Ectopic."
9. New England Roentgen Ray Society April 5, 2013. Boston, MA. "Imaging of the Fetal Face & Neck."

10. Brown Emergency Medicine Residency Didactic Conference Providence, RI. May 15, 2013. “Imaging the Unexpected – Unusual Ectopic Pregnancies” and “Adnexal Torsion: More Than Ovaries at Risk.”
11. Signs, Symptoms and Questions Related to Diagnostic Imaging and Interventional Radiology. “Why has mammography gotten so confusing?” September 25, 2013 Providence, RI.
12. Comparative Effectiveness Public Advisory Council (CEPAC) & Institute for Clinical and Economic Review (ICER) Supplemental Breast Cancer Screening for Women with Dense Breast Tissue. Invited as member of Expert Panel. Harvard Medical School; Boston, MA; December 13, 2013.
13. Women & Infants Hospital Breast Imaging Fellowship Didactic Lecture Providence, RI. January 10, 2014 “Breast Cancer Screening: Mammography, MRI and US.”
14. New England Roentgen Ray Society Breast Refresher Course Waltham, MA – March 1, 2014. “Axillary evaluation: Where are we in 2014?” ** Course organizer also for this event.
15. Women & Infants Hospital Breast Imaging Fellowship Didactic Lecture Providence, RI. March 7, 2014 “Breast MRI: Looking Behind the Scenes.”
16. Alpert Medical School of Brown University CME series: “Cutting Edge: Using Technology to Enhance your Teaching” Co-presented with Robert J Tubbs MD. Providence, RI. April 8, 2014.
17. American Roentgen Ray Society Meeting in San Diego, CA. “Pitfalls in Imaging the Breast with US & MRI” presented May 6, 2014.
18. Tufts Medical Center, Radiology Department. Boston, MA. “Pitfalls in Imaging the Breast with US & MRI & Teaching Cases” presented June 26, 2014.
19. Radiological Society of North America meeting in Chicago, IL. Refresher Course: “US of Obstetrical Emergencies” presented December 3, 2014.
20. American Roentgen Ray Society Breast Imaging Symposium in New Orleans, LA. “Imaging the Axilla: What the Breast Imager Needs to Know” presented February 7, 2015.

21. American Roentgen Ray Society Breast Imaging Symposium in New Orleans, LA. "Management of Breast Abscesses" presented February 7, 2015.
22. Association of University Radiologists Annual Meeting in New Orleans, LA. "Using Technology to Enhance Learning" presented April 14, 2015.
23. American Roentgen Ray Society Meeting in Toronto, ONT, Canada. "Breast Imaging Pitfalls" presented April 24, 2015.
24. New England Roentgen Ray Society April 5, 2013. Boston, MA. "OB Emergencies" presented September 25, 2015.
25. Radiological Society of North America meeting in Chicago, IL. Refresher Course: "Non-obstetrical Gynecologic Ultrasound Pitfalls" presented December 4, 2015.
26. New England Roentgen Ray Society Breast Refresher Course Waltham, MA – March 5, 2016. "Breast Imaging Pitfalls – US, MRI and Procedures." **Course Director/Organizer for this event.
27. Association of University Radiologists Annual Meeting in San Diego, CA. "Generational and Cultural Diversity: Generational Differences in Education and Clinical Work" presented March 30, 2016.
28. Radiological Society of North America meeting in Chicago, IL. Refresher Course: "Pelvic imaging in the Emergency Department: US, CT or MRI?" CT presented December 1, 2016.
29. Radiological Society of North America meeting in Chicago, IL. Refresher Course: "Abdominal pain in pregnancy" presented November 30, 2016.
30. Association of University Radiologists Annual Meeting in Hollywood, FL. Presented May 9, 2017 – "A Recipe for Building Resiliency."
31. Association of University Radiologists Annual Meeting in Hollywood, FL. Presented May 11, 2017 – "Mentoring Millennial trainees & new staff – What's so different?"
32. Moderator – Scientific Posters May 10, 2017 - Association of University Radiologists Annual Meeting in Hollywood, FL.

33. Moderator – SS01 Resident Education 1 - May 10, 2017 - Association of University Radiologists Annual Meeting in Hollywood, FL.
34. Radiological Society of North America meeting in Chicago, IL. Refresher Course: “Non-obstetrical gynecologic ultrasound pitfalls” presented November 30, 2017.
35. New England Roentgen Ray Society Breast Refresher Course Waltham, MA – March 3, 2018. “MR Challenging Cases – An Interactive Session.” **Course Co-Director/Organizer for this event.
36. Society of Breast Imaging Symposium 2018 in Las Vegas, NV – April 12, 2018. “All-Modality Approach to DCIS.”
37. Association of University Radiologists Annual Meeting in Orlando, FL. Presented May 8, 2018 – “Optimizing Reports for Patients and Referring Clinicians.”
38. Co-Moderator – Teaching Certificate Program - May 10, 2018 - Association of University Radiologists Annual Meeting in Orlando, FL.
39. Society of Breast Imaging Webinar – September 26, 2018 – “Evaluation of the symptomatic male breast.”
40. Radiological Society of North America meeting in Chicago, IL. – November 28, 2018 – “BI-RADS Interactive Case Challenge: Case-based session on Ultrasound.”
41. Radiological Society of North America meeting in Chicago, IL. – November 29, 2018 – “Case-based Review of Breast: The Many ‘Faces’ of DCIS.”
42. Department of Pathology Grand Rounds – Rhode Island Hospital – December 6, 2018 – “Breast Radiology in 2018.”
43. Society of Breast Imaging Symposium 2019 in Hollywood, FL – April 4, 2019 – “They just don’t make architectural distortions like they used to.”
44. Radiological Society of North America meeting in Chicago, IL. – December 4, 2019 – “Emergency Ultrasound Pitfalls and Pearls – Non-obstetrical Gynecological Ultrasound.”
45. Society of Breast Imaging Symposium 2020 in Denver, CO – April 17, 2020 – “Breast Biopsy: Challenging Cases” – *Conference cancelled due to Covid-19*

Grants

American Roentgen Ray Society Clinical Educator Development Program \$1000 grant to attend 2 day program in Washington DC April 2013.

University Teaching Roles

2008- present

Medical School Courses

Biomed 629: I supervise and instruct third and fourth year medical students on radiology elective as they rotate through the mammography and emergency radiology sections at Rhode Island Hospital, and Women's Imaging at Women & Infants Hospital. I lecture on introduction to women's imaging radiology during the elective.

Biomed 639: I teach mammography and obstetrical and gynecologic ultrasound, CT and MRI during readout with medical students on the Women's Imaging Elective at Women and Infant's Hospital.

Hospital Teaching Roles

Resident and Fellow Education

In addition to daily interaction and teaching of residents and fellows on service, I give lecture and case-based conferences on breast imaging and ob/gyn imaging to the residents once per month. I also participate in the education of the residents in internal medicine and fellows in oncology who rotate through the breast imaging section while on elective.

2013 – 2019

Associate Residency Program Director for Education & Faculty Development: I organize the rotating two-year didactic curriculum in order to cover all areas of general radiology and to be up to date with the recently changed board examination format. I work closely with the residents on a daily basis and keep the electronic educational resources up to date to provide the best available educational tools. I recently led the effort to update our web presence, more accurately describing our training programs and the

wealth of resources available to our trainees. I teach our own faculty about new and innovative ways to teach the current generation of trainees (recent examples: utilizing audience response systems to make sessions interactive; small group problem-based learning; flipped classroom approach).

2013 – 2017	Co-Director, Breast Imaging Fellowship: I oversee academic projects for all fellows, assist in organizing the academic conferences for the fellowship, and work clinically with the fellows on a daily basis.
2017 - 2019	Director, Breast Imaging Fellowship
2019 – present	Diagnostic Radiology Residency Program Director

Committees

1. ARRS (American Roentgen Ray Society) Education Evaluation Subcommittee – 2013-present
2. ACR (American College of Radiology) Breast Imaging Section, E-Learning Committee – 2014-present.
3. ACR (American College of Radiology) Committee on Breast Imaging for Appropriateness Criteria and Guidelines – 2014-present; *Chair 2018-2020*.
4. ACER (Alliance of Clinical Educators) Program Committee – 2014-2018.
5. ACER (Alliance of Clinical Educators) Publications Committee – 2014-2019; Co-chair 2016-2018.
6. APDR (Association of Program Directors in Radiology) – Electronic Communications Committee – 2014-2018.
7. APDR (Association of Program Directors in Radiology) – Education Committee – 2016-present; Teaching Certificate Program Co-Chair 2016-present.
8. AUR (Association of University Radiologists) Scientific Program Committee – 2016-present.
9. SBI (Society of Breast Imaging) SAMS/CME committee – 2016-present.
10. ACER (Alliance of Clinical Educators) Executive committee – Member at Large; 2017-present.

11. AUR (Association of University Radiologists) Education Committee – 2017-present.

12. RSNA (Radiological Society of North America) News Editorial Board – 2018-present.

Editorial Roles

2018-present Journal of Breast Imaging – Associate Editor (Education)