



CIBC 2019

The ACR Breast Commission's Accomplishments and Future Goals

Dana Smetherman, MD, MPH, MBA, FACR
Chair, Department of Radiology
Ochsner Medical Center – New Orleans
Chair, Breast Commission,
American College of Radiology



@OchsnerRads

Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

Objectives

- Describe the history of the ACR Commission for Breast Imaging
- Outline the scope of the work of the Commission in the context of the ACR's areas of focus
- Review the highest impact initiatives – past & future



American College of Radiology

- Founded in 1923
- Core Purpose: To serve patients & society by empowering members to advance the practice, science, and professions of radiological care
- Core Values:
 - Leadership
 - Integrity
 - Quality
 - Innovation
- 54 Chapters



ACR Leadership

- Geraldine McGinty, MD, FRCR, FRCR
 - Chair, Board of Chancellors
- Howard B. Fleishon, MD, MMM, FACR
 - Vice Chair, Board of Chancellors
- Debra L. Monticciolo, MD, FACR
 - President, Board of Chancellors
- William T. Thorwarth, Jr., MD, FACR
 - Chief Executive Officer
- Richard Duszak, Jr., MD, FACR
 - Council Speaker
- Amy L. Kotsenas, MD, FACR
 - Council Vice Speaker



History of the ACR Commission for Breast Imaging

- 1924: Annual Meeting of the Radiological Society of North America (Kansas City, MO):
 - Malvern Cropton, MD stated, "Early breast cancer cannot be diagnosed by palpation or inspection."
- 1973: Results of the HIP study prompted National Cancer Institute & American Cancer Society to initiate the Breast Cancer Detection Demonstration Project screening study.
- 1970's: Breast cancer diagnosis of Betty Ford & Happy Rockefeller heightened public awareness of value of mammography.



History of the ACR Commission for Breast Imaging

- Evolved from the ACR Task Force on Breast Cancer, which coordinated multiple ACR Committees:
 - Committee on Breast Cancer
 - Committee on Breast Imaging
 - Committee on Mammography Equipment
 - Committee on Mammography Accreditation of the Commission on Radiologic Practice
 - ACR/American Cancer Society Joint Committee on Mammography





CIBC 2019

Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

Goals of the ACR Commission for Breast Imaging

- Maintain access to the life saving benefits of screening mammography
- Provide scientific response on breast imaging issues to medical & lay media
- Expand breast imaging resources on ACR website
- Update Appropriateness Criteria & Practice Parameters
- Provide talking points for legislation related to breast imaging
- Maintain *Mammography Saves Lives* campaign
- Expand BICOE with Commission on Quality & Safety
- Work closely with the Society of Breast Imaging



Clinical Resources	Advocacy and Economics	Lifelong Learning and CME	Member Resources	Practice Management, Quality, Informatics	Research
--------------------	------------------------	---------------------------	------------------	---	----------

ACR's Areas of Focus

- Advocacy & Economics
- Clinical Resources
- Lifelong Learning & CME
- Member Resources
- Practice Management, Quality, & Informatics
- Research

Advocacy & Economics



@OchsnerRads

Mammography Quality Standards Act (MQSA)

- 1992: Medicare coverage for screening mammograms approved
 - To be reimbursed by Medicare, facilities must register with Health Care Financing Administration
 - Quality standards similar to ACR's Mammography Accreditation Program
- MQSA passed in 1992
 - *The Law:* MQSA
 - *The Regulator:* FDA
 - *The Inspector:* the States
 - *The Accrediting Body:* ACR & States (IA, IL, SC, TX)



MQSA

- In order to legally operate in the US, all mammography facilities must:
 - Meet minimum quality standards for personnel, equipment, & recordkeeping
 - Be certified by U.S. FDA or an FDA - approved state certifying body
- Final regulations for implementation of MQSA published 10/28/97
- Final rule also required systems for results communication & transfer of original mammograms to other facilities



ACR's Mammography Accreditation Program

- 1987: *Voluntary Mammography Accreditation Program (MAP)* begins
- 1994: *Mammography Accreditation* mandatory under MQSA
- 1996: *Stereotactic Breast Biopsy*
- 1998: *Breast US*
- 2010: *Breast MRI*
- 2018: *DBT*





CIBC 2019

Impact of MQSA & Mammography Accreditation



Chicago International Breast Course
 The Westin Chicago River North
 November 1-3, 2019

ACR Accreditation

- Clinical Reviewers:
 - Practicing radiologist volunteers
 - Meet MQSA requirements for interpreting physicians
 - ABR board certified
 - At least 5 years of experience after residency with at least 50% of each year's practice in breast imaging
 - Currently practicing mammography
 - Required to attend routine refresher courses
 - Monitored on a semi-annual basis
 - No conflict of interest
 - Cannot review images from other facilities in own or adjacent states



Ongoing Advocacy

- In partnership with the ACR Commission on Government Relations, the Breast Commission has supported:
 - Protecting Access to Lifesaving Screenings (PALS) Act of 2019 – extends moratorium against 2009 and 2016 USPSTF recommendations to 11/22 (Senate FY2020 subcommittee chairman's recommendation for the Labor-HHS Appropriations bill).
 - ACR response to MQSA Amendments to Part 90' Regulations in June 2019 (awaiting Final Rule)



Ongoing Advocacy

- Early Onset Breast Cancer Evidence Review Conference (ACOG) – Dr. Smetherman
- ACOG/WPSI Recommendations for Well Woman Care – Drs. Monticciolo & Sickles
- FDA Breast Implant Advisory Committee – Dr. Destounis



Economics

- ACR 'T & R' Teams have worked to maintain value for Breast Imaging Procedures CPT codes
- HEDIS score optimization for Medicare Advantage plans
- Future challenges:
 - Value based reimbursement?
 - Screening bundles?
 - Medicare for All?

Procedure	ICD-9	CPT	MSHC
Mammography (including full breast)	86.61	76000	1110
Diagnostic Mammogram	86.61	76001	1110
Screening Mammogram	86.61	76002	1110
Biopsy (excisional)	86.62	86200	1110
Biopsy (excisional)	86.62	86201	1110
Biopsy (excisional)	86.62	86202	1110
Biopsy (excisional)	86.62	86203	1110
Biopsy (excisional)	86.62	86204	1110
Biopsy (excisional)	86.62	86205	1110
Biopsy (excisional)	86.62	86206	1110
Biopsy (excisional)	86.62	86207	1110
Biopsy (excisional)	86.62	86208	1110
Biopsy (excisional)	86.62	86209	1110
Biopsy (excisional)	86.62	86210	1110
Biopsy (excisional)	86.62	86211	1110
Biopsy (excisional)	86.62	86212	1110
Biopsy (excisional)	86.62	86213	1110
Biopsy (excisional)	86.62	86214	1110
Biopsy (excisional)	86.62	86215	1110
Biopsy (excisional)	86.62	86216	1110
Biopsy (excisional)	86.62	86217	1110
Biopsy (excisional)	86.62	86218	1110
Biopsy (excisional)	86.62	86219	1110
Biopsy (excisional)	86.62	86220	1110
Biopsy (excisional)	86.62	86221	1110
Biopsy (excisional)	86.62	86222	1110
Biopsy (excisional)	86.62	86223	1110
Biopsy (excisional)	86.62	86224	1110
Biopsy (excisional)	86.62	86225	1110
Biopsy (excisional)	86.62	86226	1110
Biopsy (excisional)	86.62	86227	1110
Biopsy (excisional)	86.62	86228	1110
Biopsy (excisional)	86.62	86229	1110
Biopsy (excisional)	86.62	86230	1110
Biopsy (excisional)	86.62	86231	1110
Biopsy (excisional)	86.62	86232	1110
Biopsy (excisional)	86.62	86233	1110
Biopsy (excisional)	86.62	86234	1110
Biopsy (excisional)	86.62	86235	1110
Biopsy (excisional)	86.62	86236	1110
Biopsy (excisional)	86.62	86237	1110
Biopsy (excisional)	86.62	86238	1110
Biopsy (excisional)	86.62	86239	1110
Biopsy (excisional)	86.62	86240	1110
Biopsy (excisional)	86.62	86241	1110
Biopsy (excisional)	86.62	86242	1110
Biopsy (excisional)	86.62	86243	1110
Biopsy (excisional)	86.62	86244	1110
Biopsy (excisional)	86.62	86245	1110
Biopsy (excisional)	86.62	86246	1110
Biopsy (excisional)	86.62	86247	1110
Biopsy (excisional)	86.62	86248	1110
Biopsy (excisional)	86.62	86249	1110
Biopsy (excisional)	86.62	86250	1110
Biopsy (excisional)	86.62	86251	1110
Biopsy (excisional)	86.62	86252	1110
Biopsy (excisional)	86.62	86253	1110
Biopsy (excisional)	86.62	86254	1110
Biopsy (excisional)	86.62	86255	1110
Biopsy (excisional)	86.62	86256	1110
Biopsy (excisional)	86.62	86257	1110
Biopsy (excisional)	86.62	86258	1110
Biopsy (excisional)	86.62	86259	1110
Biopsy (excisional)	86.62	86260	1110
Biopsy (excisional)	86.62	86261	1110
Biopsy (excisional)	86.62	86262	1110
Biopsy (excisional)	86.62	86263	1110
Biopsy (excisional)	86.62	86264	1110
Biopsy (excisional)	86.62	86265	1110
Biopsy (excisional)	86.62	86266	1110
Biopsy (excisional)	86.62	86267	1110
Biopsy (excisional)	86.62	86268	1110
Biopsy (excisional)	86.62	86269	1110
Biopsy (excisional)	86.62	86270	1110
Biopsy (excisional)	86.62	86271	1110
Biopsy (excisional)	86.62	86272	1110
Biopsy (excisional)	86.62	86273	1110
Biopsy (excisional)	86.62	86274	1110
Biopsy (excisional)	86.62	86275	1110
Biopsy (excisional)	86.62	86276	1110
Biopsy (excisional)	86.62	86277	1110
Biopsy (excisional)	86.62	86278	1110
Biopsy (excisional)	86.62	86279	1110
Biopsy (excisional)	86.62	86280	1110
Biopsy (excisional)	86.62	86281	1110
Biopsy (excisional)	86.62	86282	1110
Biopsy (excisional)	86.62	86283	1110
Biopsy (excisional)	86.62	86284	1110
Biopsy (excisional)	86.62	86285	1110
Biopsy (excisional)	86.62	86286	1110
Biopsy (excisional)	86.62	86287	1110
Biopsy (excisional)	86.62	86288	1110
Biopsy (excisional)	86.62	86289	1110
Biopsy (excisional)	86.62	86290	1110
Biopsy (excisional)	86.62	86291	1110
Biopsy (excisional)	86.62	86292	1110
Biopsy (excisional)	86.62	86293	1110
Biopsy (excisional)	86.62	86294	1110
Biopsy (excisional)	86.62	86295	1110
Biopsy (excisional)	86.62	86296	1110
Biopsy (excisional)	86.62	86297	1110
Biopsy (excisional)	86.62	86298	1110
Biopsy (excisional)	86.62	86299	1110
Biopsy (excisional)	86.62	86300	1110



Clinical Resources



@OchsnerRads

CIBC 2019

Chicago International Breast Course
 The Westin Chicago River North
 November 1-3, 2019

Breast Cancer Screening

Breast Cancer Screening for Average-Risk Women: Recommendations From the ACR Commission on Breast Imaging

Debra L. Monticciolo, MD, Mary S. Newell, MD*, R. Edward Hendrick, PhD*, Mark A. Helvie, MD*, Linda Moy, MD*, Barbara Monies, MD*, Daniel B. Kopans, MD*, Peter R. Eby, MD*, Edward A. Sickles, MD**

Breast Cancer Screening in Women at Higher-Than-Average Risk: Recommendations From the ACR

Debra L. Monticciolo, MD, Mary S. Newell, MD*, Linda Moy, MD*, Bethany Niell, MD, PhD*, Barbara Monies, MD*, Edward A. Sickles, MD**

Future

- Conflicting guidelines (USPSTF, American Cancer Society) add to the confusion for patients and referring providers
- Need to combat misinformation for other specialists and patients
- Feedback from radiologists: Need easily accessible educational materials that explain the research behind ACR's recommendation of yearly screening mammography beginning at age 40.

Breast Cancer Screening Toolkit

- Developed by Screening Leaders Group
- Downloadable materials:
 - Can customize with your brand
 - Share with your referring clinicians and advise them of CME opportunity
 - Place patient materials on your website and in your waiting room
 - Print and include materials in correspondence with patients and referring providers

NEW Breast Cancer Screening Toolkit

- CME Module: "Talking to Patients About Breast Cancer Screening"
- Clinician Education Videos:
 - [Screening Benefit: Randomized Controlled Trials vs Observational Trials](#)
 - [U.S. Data Shows Breast Cancer Deaths Reduction with Mammography](#)
 - [Breast Cancer Screening in Underserved Communities](#)
 - [Breast Cancer Screening Risk Explained](#)
 - [Breast Cancer Screening 101](#)

Breast Cancer Screening Toolkit

- For Radiologists to Present to Referring Clinicians and Administrators:
 - [Radiologist PowerPoint™](#)
 - [Breast Cancer Screening Impact, Risks and Benefits](#)

Talking to Your Patients About Breast Cancer Screening

Use this FREE toolkit to access and assess reliable screening and outcomes data, discern actual breast cancer screening risks vs benefits, and explain to patients when to be screened to avoid unnecessary death and treatment due to late or delayed breast cancer detection. Mobile-enabled for learning at the point of care.

Breast Cancer Screening Toolkit



CIBC 2019

Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019



BI-RADS

- Breast Imaging Reporting & Data System
 - Standardized reporting
 - Diverse group of stakeholders involved (including American College of Surgery, CDC)
 - 1st Structured language for imaging reporting
 - 3 components:
 - Lexicon of descriptors
 - Final Assessment & Management Categories
 - Framework for collecting data & auditing
- Can be used to benchmark success at level of individual radiologists
- 5 editions: Mammography, Breast US, Breast MRI

BI-RADS Lexicon & Atlas 5th Edition

Future

- Inspiration for TI-RADS, LI-RADS, PI-RADS, RI-RADS
- New proposal: Include method of detection in BI-RADS, perhaps with biopsy recommendation.
- Hope to facilitate collection of this data for registries and potentially SEER database.

Lifelong Learning & CME

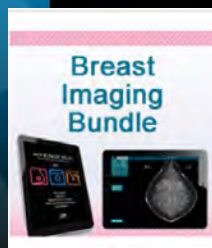
ACR's History of Breast Imaging Education

- 1970's: ACR Committee on Mammography & Diseases of the Breast (formerly Committee on Mammography) developed training tools
- 1997: ACR Committee on Mammography Interpretive Skills Assessment (ISA) led by Dr. Ed Sickles developed case-based tool to improve mammography training



CIBC 2019

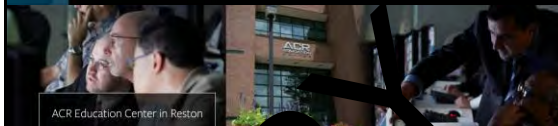
Continuous Professional Improvement (CPI)



Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

ACR Education Center

- Breast MRI Guided Biopsy (2 Day)
 - Wendy DeMartini, MD & Habib Rahbar, MD
 - 34.25 CME Credits, 25 SAM Credits
- Breast Imaging Boot Camp (3 Day)
 - Mike Linver, MD, FACR & Chris Comstock, MD, FACR
 - 22.75 CME & SAM Credits



American Institute of Radiologic Pathology (AIRP)

- Breast & Women's Imaging Categorical Course
 - 2 Day comprehensive review of women's imaging
 - 15.25 CME Credits
 - Course topics:
 - ⊙ Pathologic basis of breast disease
 - ⊙ MRI Interpretation
 - ⊙ Breast disease in men & young women
 - ⊙ Breast calcifications
 - ⊙ Uncommon breast cancers
 - ⊙ Benign & malignant breast masses
 - ⊙ Molecular Breast Imaging (MBI)



Member Resources



Twitter icon @OchsnerRads

Committee Leadership & Membership

- **BI-RADS** – Mir Newell, MD
- **Committee Chairs** – Sally Friedewald, MD
- **Economics** – Toula Destounis, MD
- **Government Relations** – Kelly Biggs, MD
- **Practice Parameters & ACR Panel on Appropriateness Criteria** – Linda Moy, MD
- **Screening & Emerging Technology** – Peter Eby, MD
- **CSC Liaison** – Lauren Golding, MD
- **SBI Liaison** – Rita Zuley, MD



Current Appropriateness Criteria

- Breast Cancer Screening
- Breast Imaging of Pregnant & Lactating Women
- Breast Implant Evaluation
- Breast Pain
- Evaluation of Nipple Discharge
- Evaluation of the Symptomatic Male Breast
- Monitoring Response to Neoadjuvant Systemic Therapy for Breast Cancer
- Palpable Breast Masses
- Stage I Breast Cancer: Initial Work up & Surveillance for Local Recurrence & Distant Metastases in Asymptomatic Women





CIBC 2019

Current Practice Parameters

- Screening & Diagnostic Mammography
- Breast Ultrasound
- Contrast-Enhanced MRI of the Breast
- Digital Breast Tomosynthesis
- Ultrasound-Guided Percutaneous Breast Interventional Procedures
- MRI-Guided Breast Interventional Procedures
- Determinants of Image Quality in Digital Mammography (ACR-AAPM-SIIM)
- MBI Using a Dedicated Gamma Camera



Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

2019 – 2020 Practice Parameters & Appropriateness Criteria

- **Practice Parameters 2019 Cycle:**
 - Whole Breast US
- **Practice Parameters 2020 Cycle:**
 - Image-Guided Localization
 - Stereotactic & DBT Guided Breast Interventional Procedures
- **Appropriateness Criteria 2019 Cycle:**
 - Imaging of the Axilla
 - Supplemental Screening
 - Imaging after Reconstruction
 - Imaging of Transgender Patients



engage

A discussion forum for ACR members

- **Breast Imaging Forum:**
 - 147 Discussions
 - 165 Members
- **Topics:**
 - High Risk reporting
 - Excision of benign intraductal papillomas
 - Screening vs diagnostic mammogram coding
 - Epic Radiant breast reporting
 - C-View
 - Biopsy marker axillary nodes
 - Tomosynthesis guided procedures

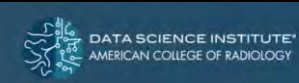


Member Resources Mammography Saves Lives



Practice Management, Quality, & Informatics

- Medicare Value Based Programs
- Data Registries & MACRA Resources
- Radiology Leadership Institute (RLI)
- ACR Data Science Institute (DSI)
- JACR & ACR Bulletin



@OchsnerRads





CIBC 2019

Radiology Leadership Institute

- Robust portfolio of educational opportunities for every career stage
 - Residents & fellows
 - Mid-career
 - Executive Level
- Live meetings & events
- Online programs & podcasts
- Resources for chapter meetings



Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

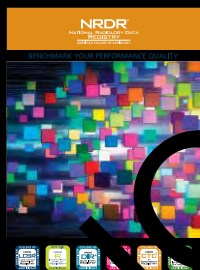
Data Science Institute

- Facilitates development and implementation of AI applications to help radiology professionals provide improved medical care.
- Collaborates with:
 - Radiology professionals
 - Industry leaders
 - Government agencies
 - Patients
- Provides guidance to industry to ensure algorithms are safe, effective, can be integrated into clinical workflows, and solve relevant meaningful problems.



National Mammography Database

- QI tool
- Leverages data already collected under MQSA
- Based on BI-RADS
- Certified as PQI for ABR MOC programs
- Fulfills MIPS reporting requirements
- Free for BICOE facilities



Breast Imaging Related MIPS Measures

PQRS#	Title
146	Inappropriate Use of "Probably Benign" Assessment Category in Mammography Screening
225	Reminder System for Screening Mammograms
265	Biopsy Follow-Up (results reviewed and communicated to referring physician or PCP and patient by performing physician)
NMD	QCDR (Qualified Clinical Data Registry)



Research



@OchsnerRads

Breast Cancer ACRIN Trials

- **Screening & Early Detection**
 - 4006 – FFDM vs. DBT Call Back Rate
 - 6652 – DMIST
 - 6666 – US Screening
 - 6667 - MRI Screening of Contralateral Breast
 - 6694 – Effect of Pre-Op MRI on Surgical Outcomes, Cost, & QOL
- **Image-Guided Treatment**
 - 6674 – MR-Guided Focused US Ablation of Breast Cancer
- **Response to Treatment**
 - 6657 – MRI/MRS Response to Neoadjuvant Therapy
 - 6698 – DW MRI for Assessment of Response to Neoadjuvant Treatment (I-SPY 2 Trial Sub-study)





CIBC 2019

Chicago International Breast Course
The Westin Chicago River North
November 1-3, 2019

Research

- Neiman Policy Institute
 - Studies value and role of radiology in evolving health care delivery and payment systems, including:
 - Quality based approaches to care
 - Impact of medical imaging on overall health care costs
 - Provides a foundation for evidence-based imaging policy to improve patient care and bolster efficient, effective use of health care resources.
- TMIST (Tomosynthesis Mammographic Imaging Screening Trial) – ongoing, still recruiting sites



NPI Breast Screening Bundle Tool

- Helps practices develop bundled payment models for breast cancer screening.
- Calculated weighted bundled price = single price for patients (initial mammography screening + all subsequent imaging testing):
 - 364 days after the initial screen OR
 - Until referral for biopsy or positive cancer diagnosis

Procedure Code	Description	Price
76005	Mammography, diagnostic, bilateral, real time, with tomosynthesis	\$112.00
76006	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast	\$112.00
76007	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy	\$112.00
76008	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound	\$112.00
76009	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI	\$112.00
76010	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT	\$112.00
76011	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT, with PET/MRI	\$112.00
76012	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT, with PET/MRI, with PET/MRI/CT	\$112.00
76013	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT, with PET/MRI, with PET/MRI/CT, with PET/MRI/CT/MRI	\$112.00
76014	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT, with PET/MRI, with PET/MRI/CT, with PET/MRI/CT/MRI, with PET/MRI/CT/MRI/PET	\$112.00
76015	Mammography, diagnostic, bilateral, real time, with tomosynthesis, with contrast, with biopsy, with ultrasound, with MRI, with PET/CT, with PET/MRI, with PET/MRI/CT, with PET/MRI/CT/MRI, with PET/MRI/CT/MRI/PET, with PET/MRI/CT/MRI/PET/CT	\$112.00



Objectives

- Describe the history of the ACR Commission for Breast Imaging
- Outline the scope of the work of the Commission in the context of the ACR's purpose, values, & areas of focus
- Review the highest impact initiatives – past & future



References

- Burnside, et al. The ACR BI-RADS experience: learning from history. J Am Coll Radiol 2009;6(12):851-860.
- ... Priscilla. Basics of Breast Imaging Accreditation. Presentation at the 2016 meeting of the Society of Breast Imaging. <https://www.sbi-online.org/Portals/0/Breast%20Imaging%20Symposium%202016/Final%20Presentations/321C%20Butler%20-%20Basics%20of%20Breast%20Imaging%20Accreditation%20-%20Final.pdf>
- Cramer JA, Eisenmenger LB, Pierson NS, et al. Structured and templated reporting: an overview. Appl Radiol. Available at bit.ly/Template_Reporting.
- Destouet et al. The ACR's Mammography Accreditation Program: Ten Years of Experience Since MQSA. J Am Coll Radiol 2005;2:585-594.
- Joe and Sickles. The Evolution of Breast Imaging: Past to Present. Radiology 2014; 273 (2 Suppl):S23-44.
- Kopans DB. Standardized mammography reporting. Radiol Clin North Am 1992;30(1):257-264.
- <https://www.acr.org/>, last accessed October 12, 2019.



Thank you!



@OchsnerRads