



# Technology is Everchanging

- Remote Reading
- Artificial Intelligence (AI)
- New Imaging Technologies
- New Technology in Electronic System



7

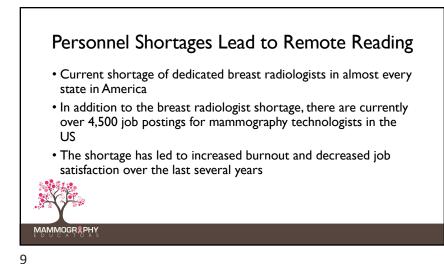
MAMMOGR

# Technology is Everchanging

- Remote Reading
- Artificial Intelligence (AI)
- New Imaging Technologies
- New Technology in Electronic System



# MAMMOGR & PHY



## Personnel Shortages Lead to Remote Reading

- Telemammography services
- Offsite radiologists (reading from home or another setting)
- Hybrid reading services



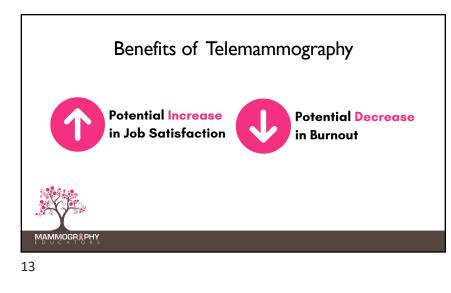
10

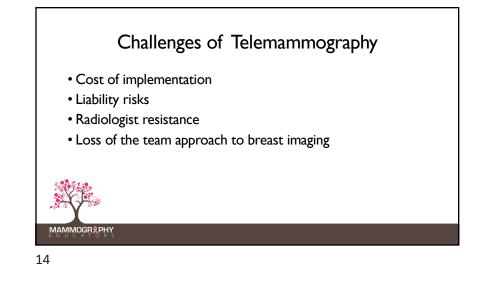


## Benefits of Telemammography

- Increases access to breast radiologist expertise
- Improving outcomes in breast cancer diagnosis
- Provides timely interpretation and treatment for patients
- Accomplished without negatively impacting workflow







# Challenges of Telemammography

- Lack of face-to-face interaction
- Lack of verbal interaction when using messaging platforms
- Studies show less rapport and connection due to isolation



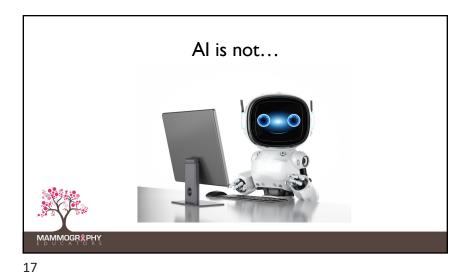
# Technology is Everchanging

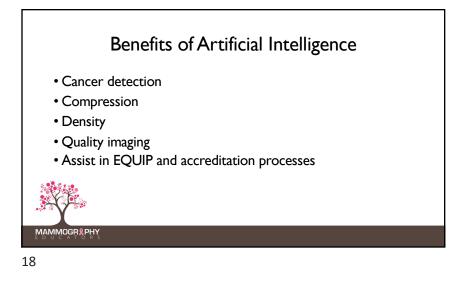
- Remote Reading
- Artificial Intelligence (AI)
- New Imaging Technologies
- New Technology in Electronic System

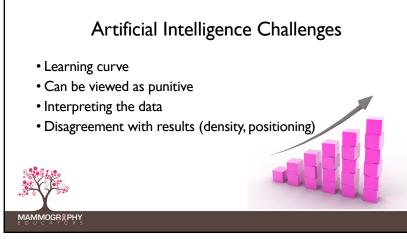


16

MAMMOGR&PHY

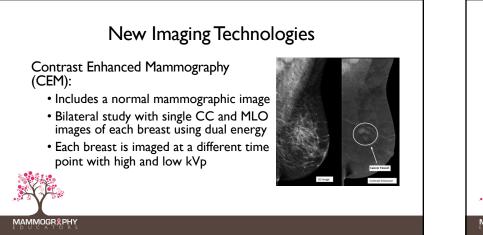






# Frechnology is Everchanging Remote Reading Artificial Intelligence (AI) New Imaging Technologies New Technology in Electronic System

MAMMOGR&PHY



# New Imaging Technologies

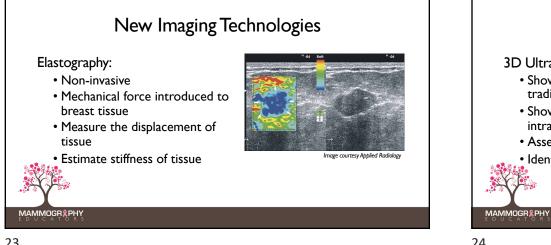
Contrast Enhanced Mammography (CEM):

- More commonly used tool in screening and diagnostic
- Debatably just as accurate and sensitive as MRI
- Less expensive than other modalities
- Faster and ease of scheduling versus MRI



22

21



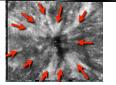
# New Imaging Technologies

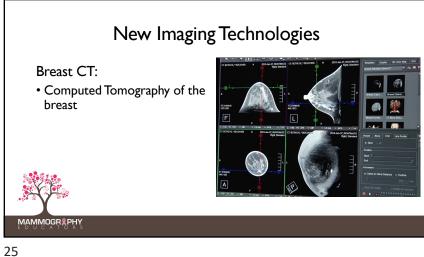
#### 3D Ultrasound:

- Shows spiculations better than traditional US
- Show DCIS components and intraductal components
- Assesses complex cysts
- Identifying anatomy







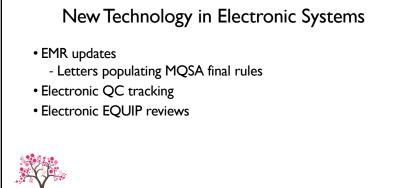


# Technology is Everchanging

- Remote Reading
- Artificial Intelligence (AI)
- New Imaging Technologies
- New Technology in Electronic Systems



26



# We Work in Technology-driven Environments

- Efficient
- Productive
- Functional
- Informative
- Profitable



MAMMOGR



# Burnout Can Lead to Staffing Shortages

- Post-COVID catch-up
- Extreme schedules
- Limited staff
- Physical and emotional demands



30

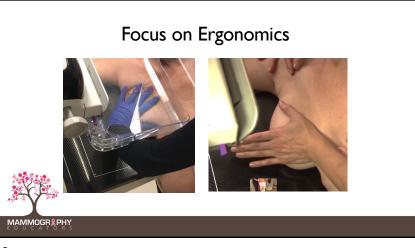




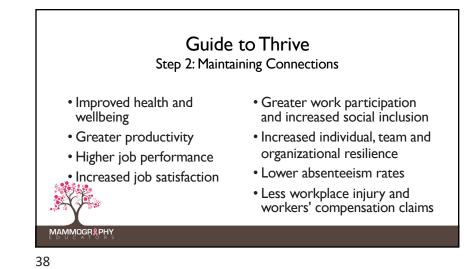










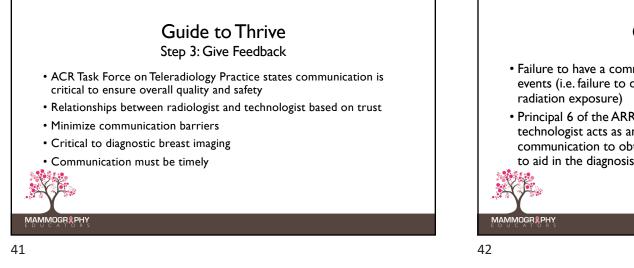


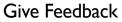


## Maintaining Connections

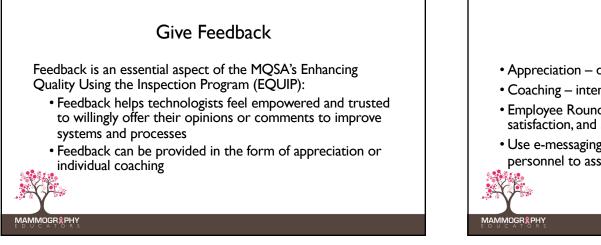
- Focus on implementing systems of offering effective feedback
- Sociability

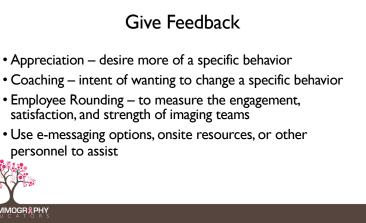


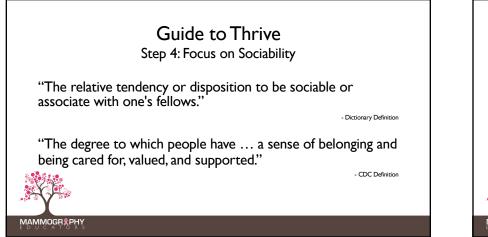




- Failure to have a communication system may result in adverse events (i.e. failure to diagnose a condition or unnecessary radiation exposure)
- Principal 6 of the ARRT Code of Ethics: "The radiologic technologist acts as an agent through observation and communication to obtain pertinent information for the physician to aid in the diagnosis and treatment of the patient."





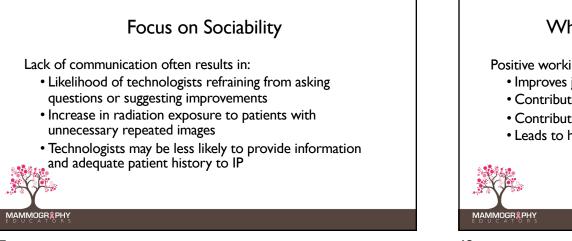


# Focus on Sociability Radiologists may work from home or from "off-site" locations Radiologists often work in isolation Technologists may be confined to even room limiting

• Technologists may be confined to exam room, limiting interaction with others



46



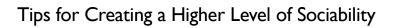
# Why is Sociability So Important

Positive working relationships:

- Improves job performance
- Contributes to a sense of belonging
- Contributes to a feeling of involvement
- Leads to higher quality care for patients



45



Offer digital photo and biography introductions of radiologists and technologists:

- Promotes recognition and identification
- Include general personal information such as hobbies and special interests



49

# Tips for Creating a Higher Level of Sociability



50

# Tips for Creating a Higher Level of Sociability

- Team educational activities such as virtual lunch and learns
- Pick up the phone ... don't just text
- Protocols are necessary when digitally communicating
- Ensure continuous open lines of communication



# Tips for Creating a Higher Level of Sociability

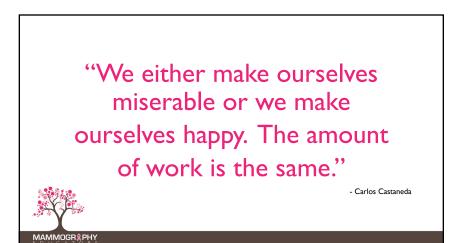
- Efforts should be placed on maintaining relationships and connections with technologists in different locations
- A voice on the other end of a phone call relays a smile, enthusiasm, authenticity, and generosity
- The sound of a person's voice can brighten someone's day and turn a daily challenge into favorable optimism



MAMMOGR&PHY







References
Three ways remote breast radiologists help improve your practice. DocPanel. June 9, 2022. Accessed December 4, 2023. https://www.docpanel.com/three-ways-remote-breast- radiologists-help-improve-your-practice/
Silva E 3rd, Breslau J, Barr RM, et al. ACR white paper on teleradiology practice: a report from the Task Force on Teleradiology Practice. J Am Coll Radiol. 2013;10(8):575-585. doi:10.1016/j.jacr.2013.03.018
Chung HL, Parikh JR. Telemammography: technical advances improve patient access in breast care. J Breast Imoging: 2020;2(2):152-156. doi:10.1093/jbi/wbz088
Quraishi MI, Rixri AA, Heidel RE. Off-site radiology workflow changes due to the coronavirus disease 2019 (COVID-19) pandemic. J Am Coll Radiol. 2020;17(7):878-881. doi:10.1016/j.jacr.2020.05.008
How does social connectedness affect health? Centers for Disease Control and Prevention. Accessed December 4, 2023. https://www.cdc.gov/emotional-wellbeing/social- connectedness/affect-health.htm
Holt-Lunstad J, Steptoe A. Social isolation: an underappreciated determinant of physical health. Curr Opin Psychol. 2022;43:232-237. doi:10.1016/j.copsyc.2021.07.012
Sociability: Vocabulary.com Dictionary, Vocabulary.com, https://www.vocabulary.com/dictionary/sociability.Accessed 13 Feb. 2024.
Videos: Volpara Health, Interior Health
MAMMOGR PHY EDUCATORS

