Breast Ultrasound: A New Paradigm

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Disclosure Statement

• Name: Ian Gardiner
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Certified Breast Ultrasonographer Course

• sonographers.ca
Agenda

• Use the correct paradigm
• Understand the anatomy and histology
• Know where to look
• Know what to look for
• Start saving lives by finding early breast cancer
Is it there anything cystic or solid?
Where is the cancer?
Gross Anatomy
Gross Anatomy

- UOQ
- UIQ
- LOQ
- LIQ
- Areolar Area

- 45%
- 15%
- 10%
- 5%
- 25%
Histology
Gross Anatomy
Histology
Histopathogenesis
Lymphatic drainage
Gross Anatomy

- Medial mammary branches from internal thoracic artery
- Axillary artery
- Brachial plexus
- Brachial artery
- Lateral thoracic artery
- Lateral mammary branches of lateral
- Lateral mammary branches of lateral cutaneous branches of posterior intercostal arteries
- Subclavian artery
- Internal thoracic artery and its perforating branches

Blood supply (9)
Lymph Nodes
Lymph Nodes
Lymph Nodes
Gross Anatomy
New Paradigm

- Assume every patient has breast cancer and that it is our job to find it.
- Know where to look.
- Know what to look for.
- Act on the most worrisome feature.
Many thanks!

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