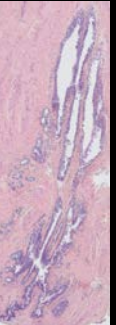
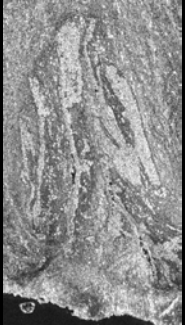
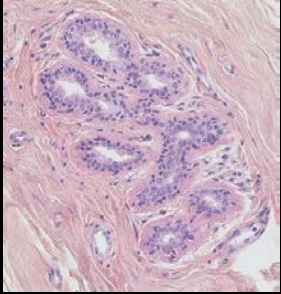


Full-Field Optical Coherence Tomography (FFOCT) of breast tissue: a new diagnostic tool for evaluation of breast proliferation?

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- FFOCT: real time imaging technique that generates high-resolution 3D tomographic images of unprocessed and unstained tissues
- We imaged 45 unprocessed specimens and blindly classified them into:
 - Atypical Glandular Proliferation (AGP)
 - Non-Atypical Glandular Proliferation (NAGP)
- Routine histological pathology was performed subsequently for final diagnosis and comparison with FFOCT results
- FFOCT yielded sensitivity of 90% and specificity of 60%
- Potential tool for real-time analysis of breast proliferation during biopsy procedure or surgery

Normal lobules and ducts



Atypical proliferation

