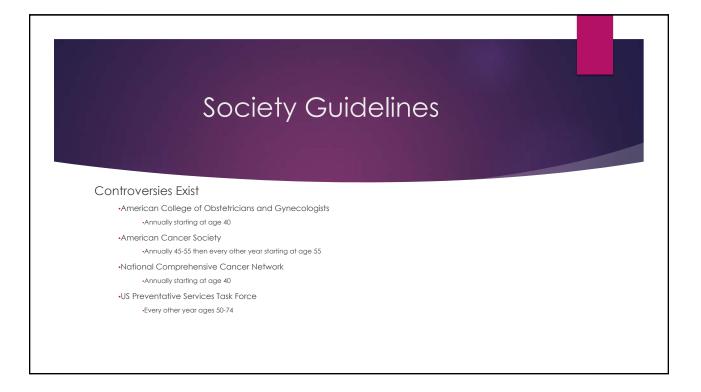
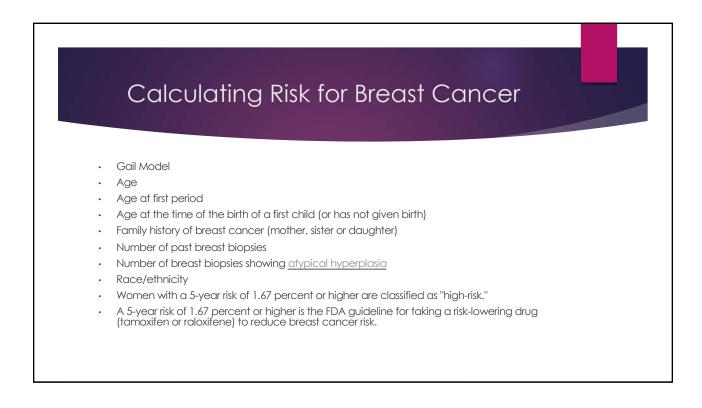
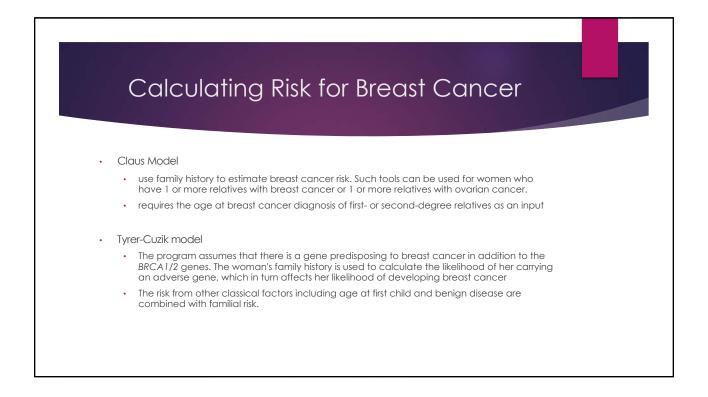


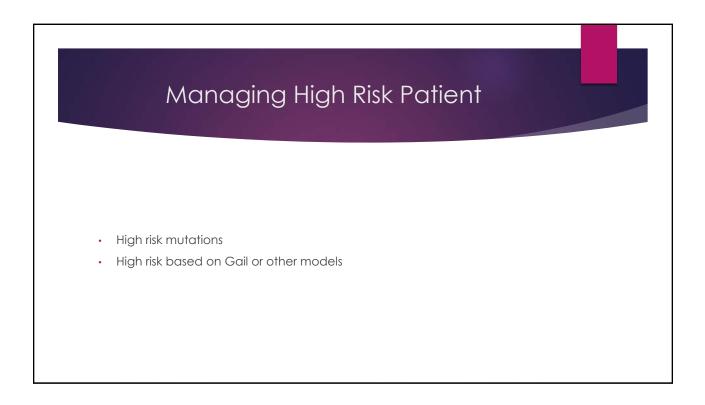
	BiRads	
	Breast Imaging Reporting and Data	abase System (BI-RADS)
Category	Assessment	
		Follow-up
0	Need additional imaging evaluation	Follow-up Additional imaging needed before a category can be assigned
		Additional imaging needed before a
0	Need additional imaging evaluation	Additional imaging needed before a category can be assigned Continue annual screening mammography (for women over age 40) Continue annual screening mammography (for women over age
0	Need additional imaging evaluation	Additional imaging needed before a category can be assigned Continue annual screening mammography (for women over age 40) Continue annual screening
0	Need additional imaging evaluation Negative Benign (noncancerous) finding	Additional imaging needed before a category can be assigned Continue annual screening mammography (for women over age 40) Continue annual screening mammography (for women over age 40) Receive a 6-month follow-up
0 1 2 3	Need additional imaging evaluation Negative Benign (noncancerous) finding Probably benign	Additional imaging needed before a category can be assigned Continue annual screening mammography (for women over age 40) Continue annual screening mammography (for women over age 40) Receive a 6-month follow-up mammogram

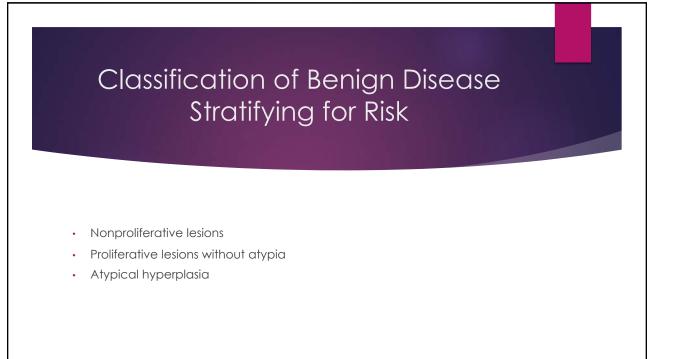
MAMMOGRAPHY			ULTRASOUND		
Breast composition	b. There are s c. The breast may obscu d. The breast	s are almost entirely fatty cattered areas of fibroglandular density s are heterogeneously dense, which re small masses s are extremely dense, which lowers ity of mammography	Tissue composition (screening only)		
Masses	Shape	Oval Round Irregular		Shape	Oval Round Irregular
	Margin	Circumscribed Obscured		Orientation	Parallel Not parallel
		Microlobulated Indistinct Spiculated		Margin	Circumscribed Not circumscribed - Indistinct
	Density	High density Equal density Low density			- Angular - Microlobulated - Spiculated
		Fat-containing		Echo pattern	Anechoic
Calcifications	Typically benign	Skin Vascular Coarse or "popcom-like" Large rod-like Round			Hyperecholc Complex cystic and solid Hypoecholc Isoecholc Heterogeneous
		Rim Dystrophic Milk of calcium Suture		Posterior features	No posterior features Enhancement Shadowing Combined pattern
	Suspicious morphology	Amorphous	Calcifications	Calcifications	
		Coarse heterogeneous			outside of a mass
		Fine pleomorphic		Intraductal calcifications	
		Fine linear or fine-linear branching	Associated features	Architectural distortion	
	Distribution	Diffuse		Duct changes	
		Regional		Skin changes	Skin thickening
		Grouped			Skin retraction
		Linear		Edema	
		Segmental		Vascularity	Absent
Architectural distortion					Internal vascularity
Asymmetries	Asymmetry		-		Vessels in rim

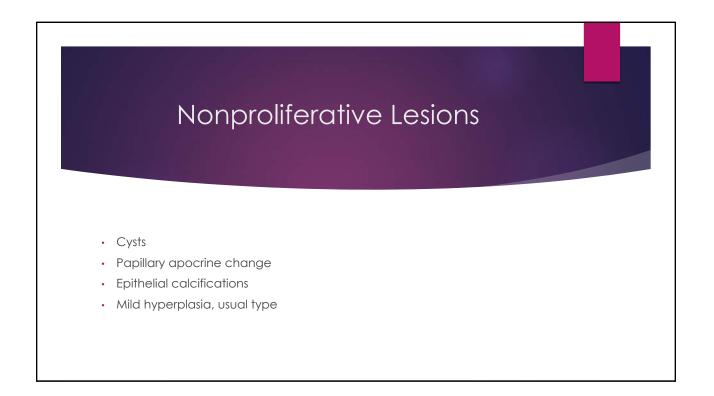


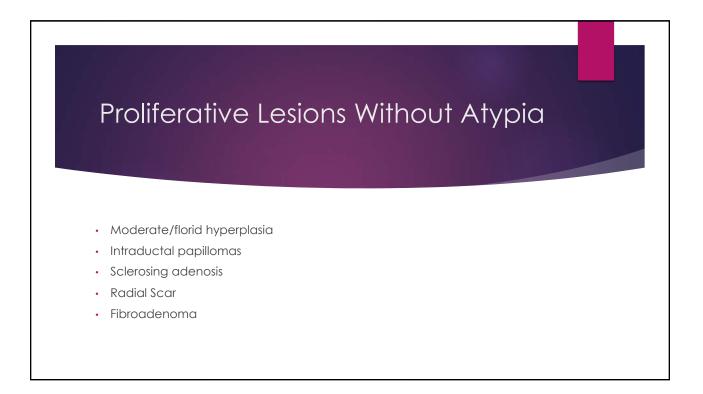


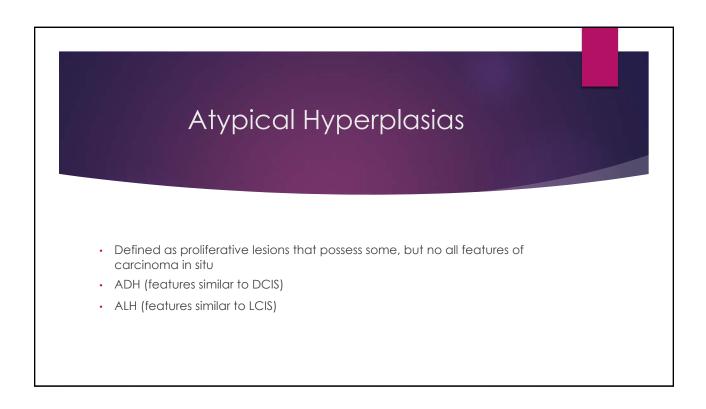


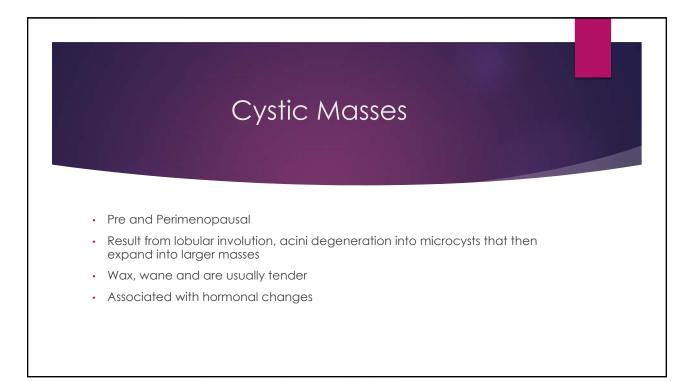


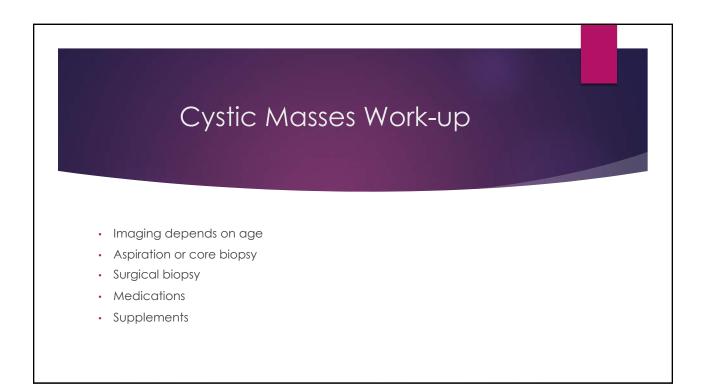


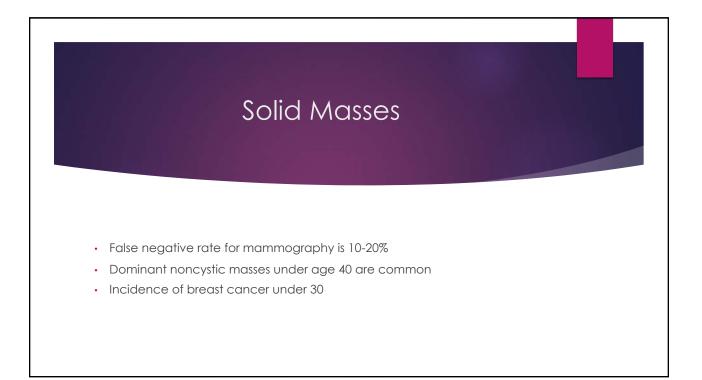


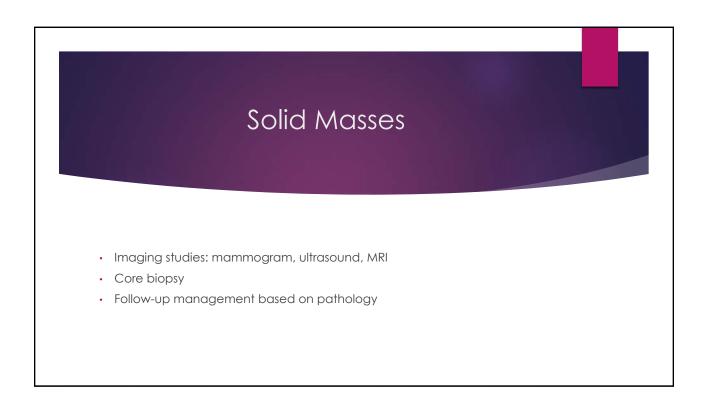




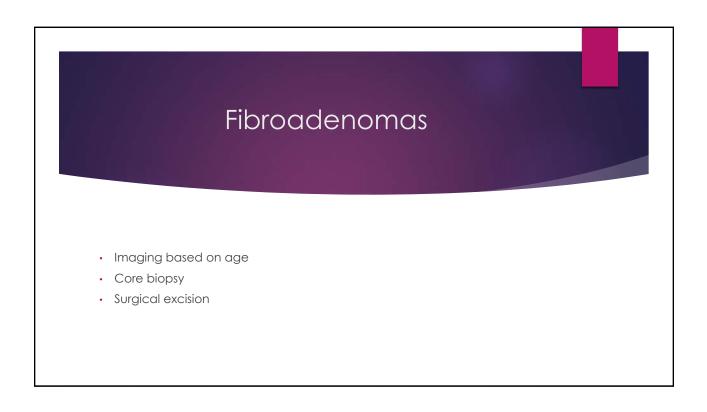


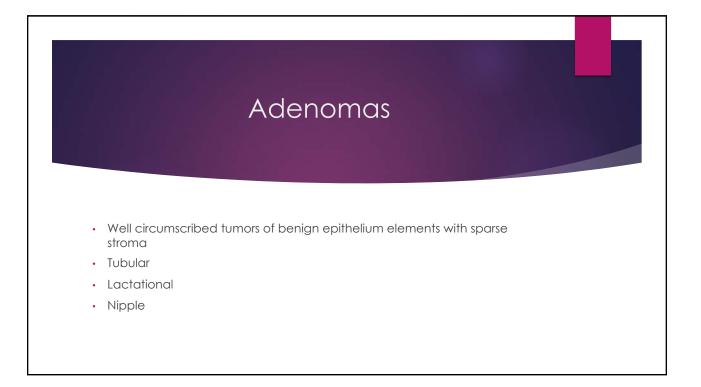








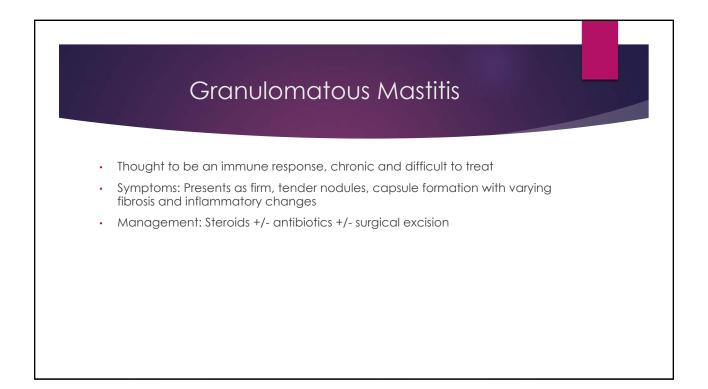


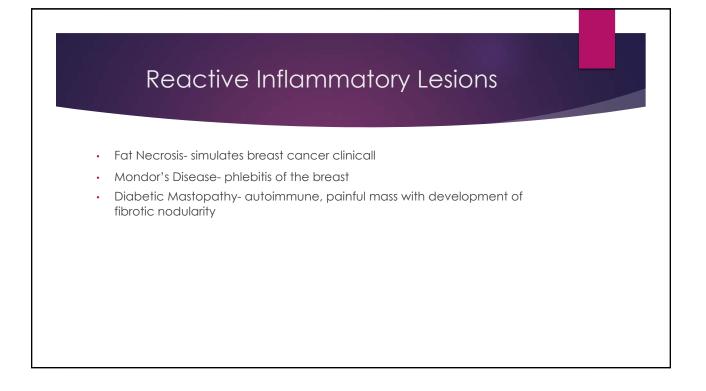




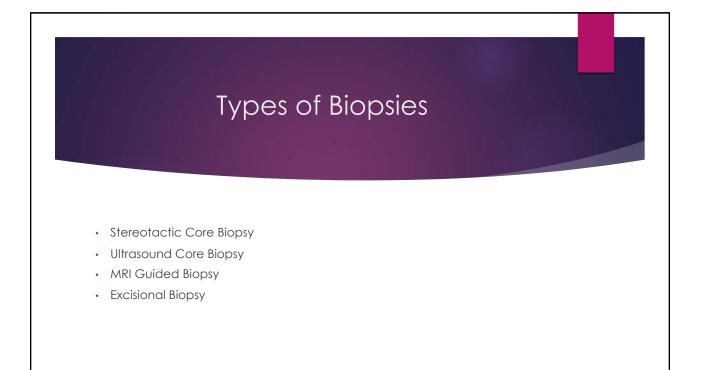
Mammary Duct Ectasia and Periductal Mastitis

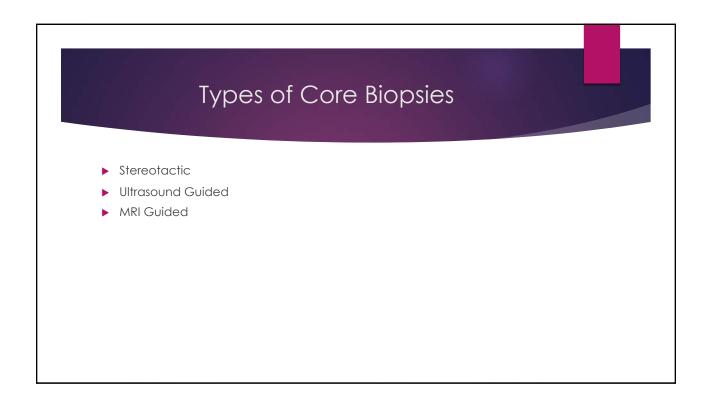
- Perimenopausal
- Characterized by dilated ducts/nipple disorder
- Pathology: dilated, thick walls, fibrotic stroma rupture, and leakage of pasty secretions into the surrounding tissue
- Symptoms: pain, nipple inversion, greenish nipple discharge
- Management: symptomatic +/- antibiotics +/- surgical duct excision

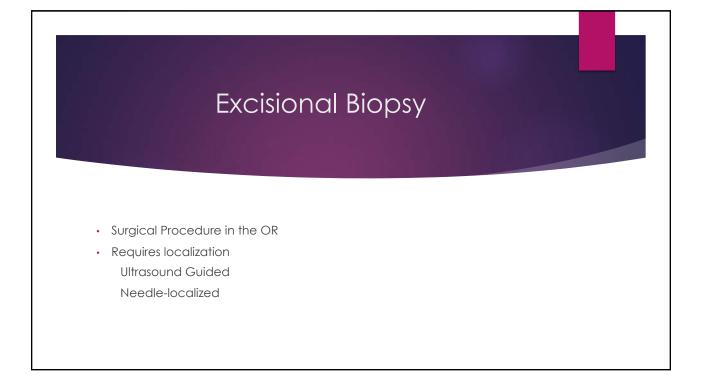


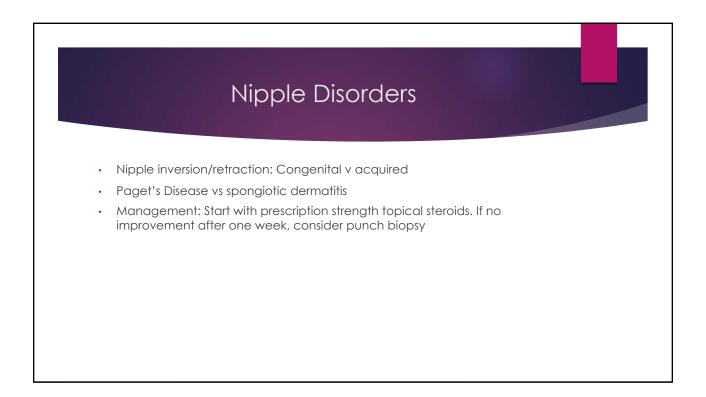


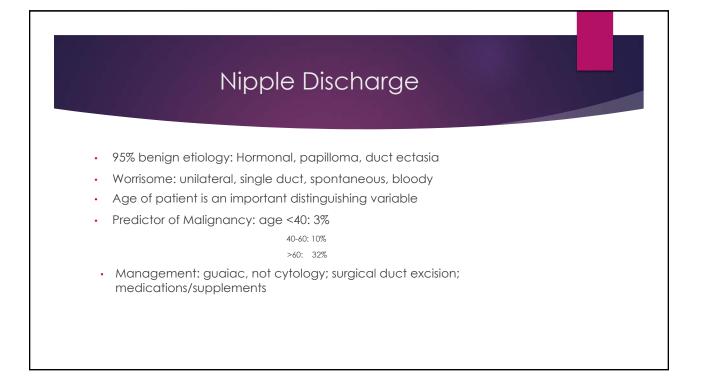




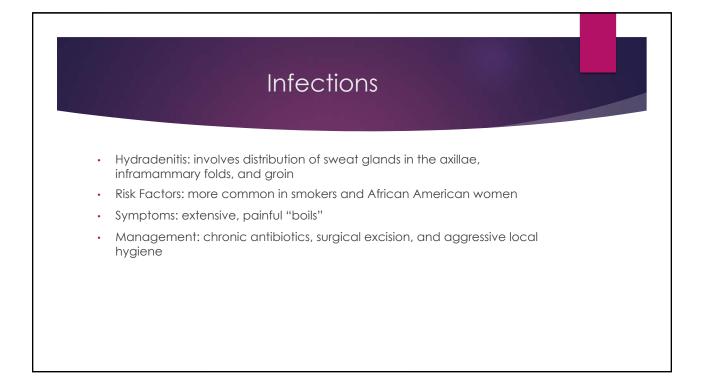


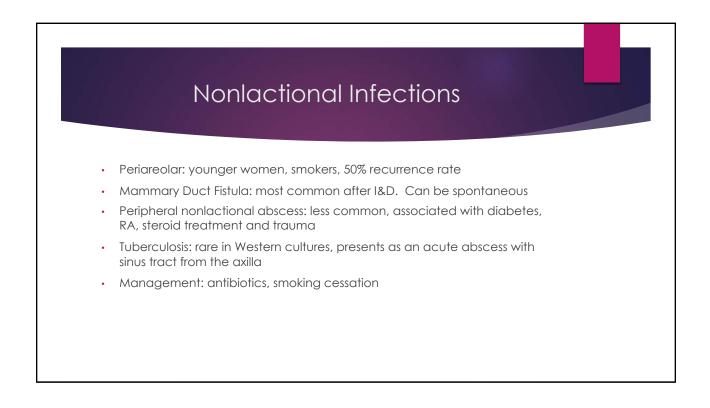


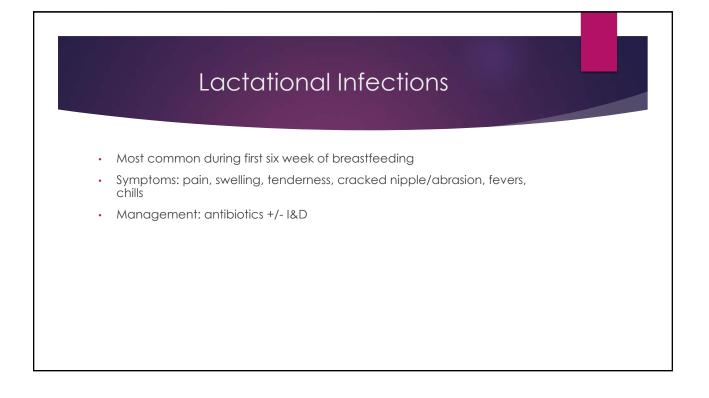


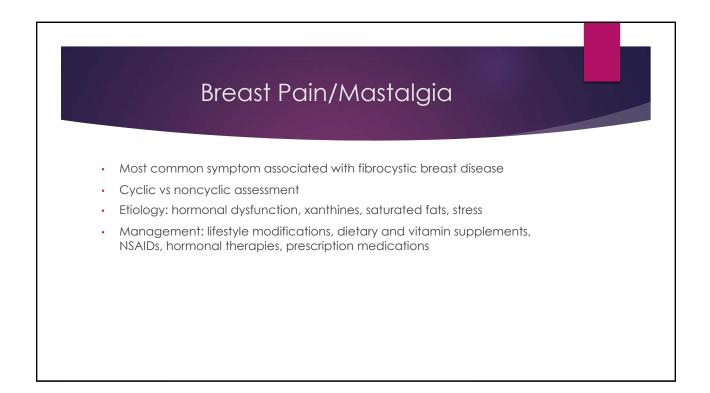






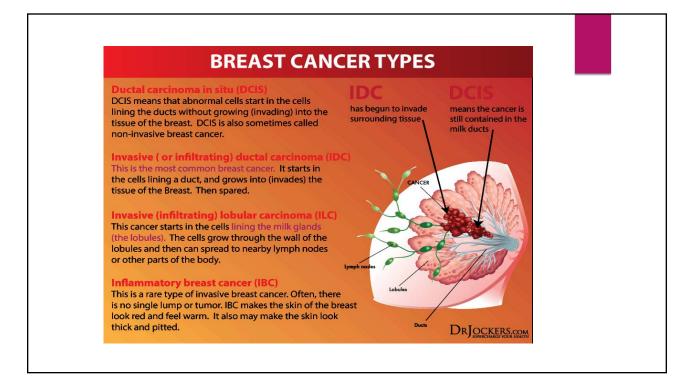


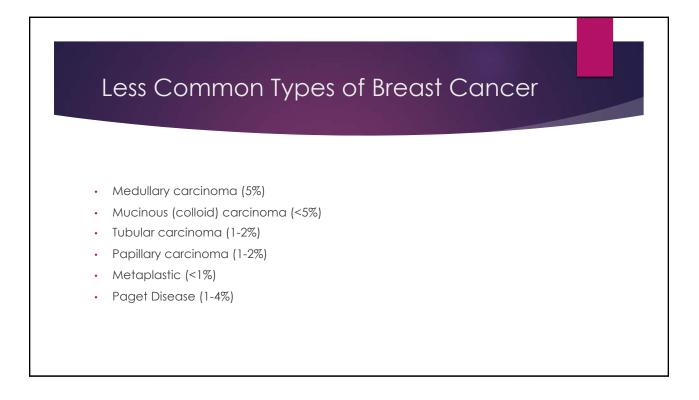




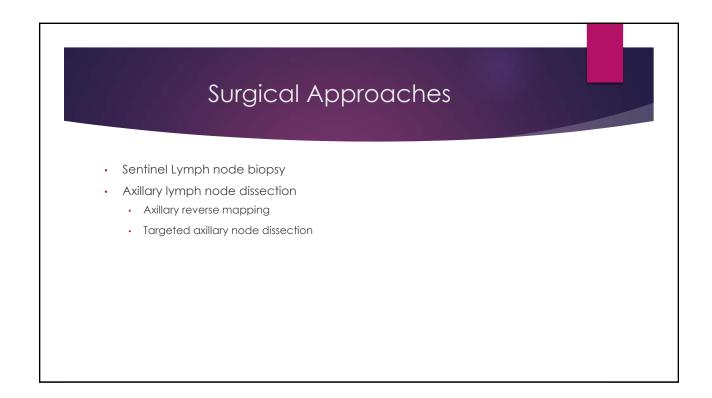




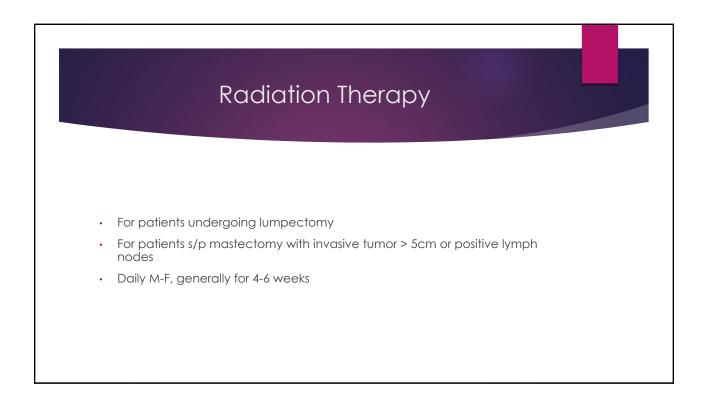












Implications of Treatment of Breast Disease

- Monitoring for recurrence
- Short and long term surgery side effects
- · Short and long term chemotherapy/endocrine therapy side effects
- Short and long term radiation side effects



