_					
	ULTRASOUND				
Tissue composition (screening only)	a. Homogeneous background echotexture – fat b. Homogeneous background echotexture – fibroglandular c. Heterogeneous background echotexture				
Masses	Shape Oval Round				
	Orientation	Irregular Parallel Not parallel			
	Margin	Circumscribed Not circumscribed - Indistinct - Angular - Microlobulated - Spiculated			
	Echo pattern	Anechoic Hyperechoic Complex cystic and solid Hypoechoic Isoechoic Heterogeneous			
	Posterior features	No posterior features Enhancement Shadowing Combined pattern			
Calcifications	Calcifications in a mass Calcifications outside of a mass				
Associated	Intraductal calcifications				
features	Architectural distortion Duct changes				
	Skin changes	Skin thickening Skin retraction			
	Edema				
	Vascularity	Absent Internal vascularity Vessels in rim			
	Elasticity assessment	Soft Intermediate Hard			
Special cases	Simple cyst Clustered microcysts				
	Complicated cyst Mass in or on skin				
	Foreign body including implants				
	Lymph nodes – intramammary				
	Lymph nodes – axillary				
	Vascular abnormalities	AVMs (arteriovenous malformations/ pseudoaneurysms) Mondor disease			
	Postsurgical fluid collection				
	Fat necrosis				

ACR BI-RADS® Atlas Fifth Edition QUICK REFERENCE REDUCTION

		QUALITY IS OUR IMAGE			
	MA	MMOGRAPHY			
Breast	a. The breasts are almost entirely fatty				
composition	b. There are s	scattered areas of fibroglandular density			
	c. The breast	s are heterogeneously dense, which re small masses			
	d. The breast	s are extremely dense, which lowers			
Massas		vity of mammógraphý			
Masses	Shape	Oval			
		Round			
	Margin	Irregular			
	Margin	Circumscribed			
		Obscured			
		Microlobulated Indistinct			
		Spiculated			
	Density	High density			
	Delisity	Equal density			
		Low density			
		Fat-containing			
Calcifications	Typically	Skin			
Calcilleations	benign	Vascular			
		Coarse or "popcorn-like"			
		Large rod-like			
		Round			
		Rim			
		Dystrophic			
		Milk of calcium			
		Suture			
	Suspicious	Amorphous			
	morphology	Coarse heterogeneous			
		Fine pleomorphic			
		Fine linear or fine-linear branching			
	Distribution				
		Regional			
		Grouped			
		Linear			
		Segmental			
Architectural dis	stortion				
Asymmetries	Asymmetry				
	Global asym	metry			
	Focal asymmetry				
	Developing a	asymmetry			
Intramammary l	ymph node				
Skin lesion					
Solitary dilated	,				
Associated	Skin retraction	on			
features	Nipple retraction Skin thickening Trabecular thickening Axillary adenopathy Architectural distortion				
	Calcification				
Location of	Laterality				
lesion	Quadrant and clock face				
	Depth Distance from the nipple				

For the complete Atlas, visit acr.org/birads

		MAGNETIC RESC	NANCE IMAGII	NG	
Amount of fibroglandular tissue (FGT)	a Almost entirely fat		Associated features	Nipple retraction Nipple invasion Skin retraction Skin thickening	
Background parenchymal enhancement (BPE)	Level	Minimal Mild Moderate Marked	-	Skin invasion Direct invasion Inflammatory cancer Axillary adenopathy Pectoralis muscle invasion	
	Symmetric or asymmetric	Symmetric Asymmetric		Chest wall invasion Architectural distortion	
Focus			Fat containing lesions	Lymph nodes Normal	
	Shape	Oval Round Irregular		Fat necrosis Hamartoma	
	Margin	Circumscribed Not circumscribed - Irregular - Spiculated	Location of lesion	Postoperative seroma/hematoma with fat Location	
			Kinetic curve assessment Signal intensity (SI)/time curve description	Depth Initial phase Delayed phase	Slow
	Internal enhancement characteristics	Homogeneous Rim enhancement			Medium Fast
		Dark internal septations		Delayed phase	Persistent Plateau Washout
enhancement (NME)	Distribution	Focal Linear Segmental Regional Multiple regions Diffuse	Implants	Implant material and lumen type	Saline Silicone Intact Ruptured Other implant material Lumen type
					- Single - Double - Other
	Internal enhancement patterns	Homogeneous Heterogeneous		Implant location	Retroglandular Retropectoral
		Clumped Clustered ring		Abnormal implant contour	Focal bulge
Intramammary lymph node		_	Intracapsular silicone	Radial folds	
Skin lesion Non-enhancing Ductal precontrast high signal on T1W			-	findings	Subcapsular line Keyhole sign (teardrop, noose)
findings	Cyst		-		Linguine sign
	Postoperative collections (hematoma/seroma)			Extracapsular silicone	Breast
	Post-therapy skin thickening and trabecular thickening			Water droplets	Lymph nodes
	Non-enhancing n	Non-enhancing mass		Peri-implant fluid	
	Architectural dist	ortion			
	Signal void from	foreign bodies, clips, etc.			

BI-RADS® ASSESSMENT CATEGORIES

Category 0: Mammography: Incomplete – Need Additional Imaging Evaluation and/or Prior Mammograms for Comparison Ultrasound & MRI: Incomplete – Need Additional Imaging Evaluation

Category 1: Negative

Category 2: Benign

Category 3: Probably Benign

Category 4: Suspicious

Mammography Category 4A: Low suspicion for malignancy

& Ultrasound: Category 4B: Moderate suspicion for malignancy

Category 4C: High suspicion for malignancy

Category 5: Highly Suggestive of Malignancy

Category 6: Known Biopsy-Proven Malignancy