67					
	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 Architectural distortion				
features	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 – axi Vascular abnormalities	AVMs (arteriovenous malformations/ pseudoaneurysms)			
	Mondor disease Postsurgical fluid collection				
	Fat necrosis				

ACR BI-RADS® Atlas Fifth Edition QUICK REFERENCE

		QUALITY IS CUR IMAGE			
		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			
	may obscu	re small masses			
	the sensitiv	s are extremely dense, which lowers vity of mammography			
Masses	Shape	Oval			
		Round			
		Irregular			
	Margin	Circumscribed			
		Obscured			
		Microlobulated			
		Indistinct			
		Spiculated			
	Density	High density			
		Equal density			
		Low density			
		Fat-containing			
Calcifications	Typically	Skin			
	benign	Vascular			
		Coarse or "popcorn-like"			
		Large rod-like			
		Round			
		Rim			
		Dystrophic Milk of calcium			
	Suspicious	Suture Amorphous			
	morphology	Coarse heterogeneous			
		Fine pleomorphic			
		Fine linear or fine-linear branching			
	Distribution				
	וטואוווטעווטוו				
		Regional Grouped			
		Linear			
		Segmental			
Architectural dis	stortion	,			
Asymmetries	Asymmetry				
,	Global asym	metry			
	Focal asymmetry				
	Developing a				
Intramammary l					
Skin lesion	.=				
Solitary dilated	duct				
Associated	Skin retraction	on			
features	Nipple retraction				
	Skin thickening Trabecular thickening Axillary adenopathy Architectural distortion				
	Calcifications				
Location of	Laterality				
	Quadrant and clock face				
lesion	<u> </u>	d clock lacc			
lesion	Depth	d clock face			

For the complete Atlas, visit acr.org/birads

[V]		MAGNETIC RESO	NANCE IMAGII	NG	
Amount of fibroglandular tissue (FGT)	a. Almost entirely fat b. Scattered fibroglandular tissue c. Heterogeneous fibroglandular tissue d. Extreme fibroglandular tissue		Associated features	Nipple retraction Nipple invasion Skin retraction Skin thickening	
parenchymal enhancement (BPE)	Level	Minimal Mild Moderate		· · ·	Direct invasion nflammatory cancer
	Symmetric or asymmetric	Marked Symmetric		Pectoralis muscle invasion Chest wall invasion Architectural distortion	
Focus	asymmetre	Asymmetric	Fat containing lesions		ı Normal
Masses	Shape	Oval Round	Fat containing lesions	' ' -	Abnormal
		Irregular		Hamartoma	
	Margin	Circumscribed Not circumscribed - Irregular	Location of lesion	Postoperative seroma/hematoma with fat Location Depth	
	Internal enhancement characteristics	- Spiculated Homogeneous	Kinetic curve assessment Signal intensity	Initial phase	Slow Medium
		Heterogeneous Rim enhancement Dark internal septations	(SI)/time curve description	Delayed phase	Fast Persistent Plateau Washout
enhancement (NME)	Distribution	tion Focal Implants 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 findings	Ductal precontrast high signal on T1W			findings	Subcapsular line Keyhole sign (teardrop, noose)
	Postoperative collections (hematoma/seroma)			Extracapsular	Linguine sign Breast
	Post-therapy skin thickening and trabecular thickening			silicone	Lymph nodes
	Non-enhancing n	Non-enhancing mass		Water droplets Peri-implant fluid	
	Architectural dist	tortion 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 5: Highly Suggestive of Malignancy

Category 6: Known Biopsy-Proven Malignancy