### Mammography

<table>
<thead>
<tr>
<th>Feature</th>
<th>Description</th>
</tr>
</thead>
</table>
| Breast composition | a. The breasts are almost entirely fatty  
 b. There are scattered areas of fibroglandular density  
 c. The breasts are heterogeneously dense, which may obscure small masses  
 d. The breasts are extremely dense, which lowers the sensitivity of mammography |
| Masses | a. Solitary dilated duct  
 b. Simple cyst  
 c. Complicated cyst  
 d. Mass in or on skin  
 e. Foreign body including implants  
 f. Lymph nodes – inflammatory  
 g. Lymph nodes – collateral  
 h. Vascular abnormalities – AVMs (arteriovenous malformations/pseudoeachromast)  
 i. Nipple inversion  
 j. Post-surgical fluid collection  
 k. Fat necrosis |

### Ultrasound

<table>
<thead>
<tr>
<th>Tissue composition (screening only)</th>
<th>Description</th>
</tr>
</thead>
</table>
| a. Homogeneous background echotexture – fat  
 b. Homogeneous background echotexture – fibroglandular  
 c. Heterogeneous background echotexture |
| Masses | a. Oval  
 b. Round  
 c. Irregular |
| Margin | a. Circumscribed  
 b. Obcorded  
 c. Microlobulated  
 d. Indistinct  
 e. Spiculated |
| Density | a. High density  
 b. Equal density  
 c. Low density  
 d. Fat-containing |
| Calcifications | a. Typically benign  
 b. Vascular  
 c. Coarse or “popcorn-like”  
 d. Large rod-like  
 e. Rond  
 f. Dystrophic  
 g. Mil of calcium  
 h. Suture |
| Suspicious morphology | a. Anechoic  
 b. Hyperechoic  
 c. Complex cystic and solid  
 d. Hypoechoic  
 e. Isoechoic |
| Distribution | a. Diffuse  
 b. Regional  
 c. Grouped  
 d. Linear  
 e. Segmental |

### Magnetic Resonance Imaging

<table>
<thead>
<tr>
<th>Associated features</th>
<th>Description</th>
</tr>
</thead>
</table>
| a. Almost entirely fat  
 b. Scattered fibroglandular tissue  
 c. Heterogeneous fibroglandular tissue  
 d. Extreme fibroglandular tissue |
| Level | a. Minimal  
 b. Mild  
 c. Moderate  
 d. Marked  
 e. Marked |
| Architecture | a. Symmetric or asymmetric  
 b. Symmetric  
 c. Asymmetric |
| Orientation | a. Parallel  
 b. Parallel but irregular  
 c. Not parallel  
 d. Angular  
 e. Microlobulated  
 f. Spiculated |
| Margin | a. Circumscribed  
 b. Not circumscribed – irregular  
 c. Spiculated  
 d. Perpendicular |

### BI-RADS® Assessment Categories

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Category 0: Known Biopsy Proven Malignancy</td>
<td></td>
</tr>
<tr>
<td>Category 1: Negative</td>
<td></td>
</tr>
<tr>
<td>Category 2: Benign</td>
<td></td>
</tr>
<tr>
<td>Category 3: Probably Benign</td>
<td></td>
</tr>
<tr>
<td>Category 4: Suspicious</td>
<td></td>
</tr>
<tr>
<td>Category 5: highly suggestive of malignancy</td>
<td></td>
</tr>
<tr>
<td>Category 6: Known Biopsy Proven Malignancy</td>
<td></td>
</tr>
</tbody>
</table>

For the complete Atlas, visit acr.org/bi-rads