

**ACR BI-RADS®–MRI Lexicon Classification Form**

For each of the following categories, select the term that best describes the dominant lesion feature. Wherever possible, definitions and descriptions used in BI-RADS® for mammography will be applied to MRI of the breast. This form is for data collection and does not constitute a written MRI report.

**LESION TYPE (select one)**

**A. Focus/Foci (tiny spot of enhancement, < 5 mm) if only finding, GO TO SECTION E**

**B. Mass (three-dimensional space-occupying lesion that is one process, usually round, oval, or irregular in shape).**

Shape (select one)	Description
<input type="checkbox"/> Round	Spherical or ball-shaped
<input type="checkbox"/> Oval	Elliptical or egg-shaped
<input type="checkbox"/> Lobular	Undulating contour
<input type="checkbox"/> Irregular	Uneven shape (not round, oval, or lobulated)

Margin (select one)	Description
<input type="checkbox"/> Smooth	Well-circumscribed and well-defined margin
<input type="checkbox"/> Irregular	Uneven margin can be round or jagged (not smooth or spiculated)
<input type="checkbox"/> Spiculated	Characterized by radiating lines

Mass Enhancement (select one)	Description
<input type="checkbox"/> Homogeneous	Confluent uniform enhancement
<input type="checkbox"/> Heterogeneous	Nonspecific mixed enhancement
<input type="checkbox"/> Rim enhancement	Enhancement more pronounced at the periphery of mass
<input type="checkbox"/> Dark internal septation	Dark nonenhancing lines within a mass
<input type="checkbox"/> Enhancing internal septation	Enhancing lines within a mass
<input type="checkbox"/> Central enhancement	Enhancement more pronounced at center of mass

**C. Non-Mass-Like Enhancement (in an area that is not a mass)**

Distribution Modifiers (select one)	Description
<input type="checkbox"/> Focal area	Enhancement in a confined area, less than 25% of quadrant
<input type="checkbox"/> Linear	Enhancement in a line that may not conform to a duct
<input type="checkbox"/> Ductal	Enhancement in a line that may have branching, conforming to a duct

**C. Non-Mass-Like Enhancement (in an area that is not a mass) (continued)**

<b>Distribution Modifiers</b> ( <i>select one</i> )	<b>Description</b>
<input type="checkbox"/> Segmental	Triangular region of enhancement, apex pointing to nipple, suggesting a duct or its branches
<input type="checkbox"/> Regional	Enhancement in a large volume of tissue not conforming to a ductal distribution, geographic
<input type="checkbox"/> Multiple regions	Enhancement in at least two large volumes of tissue not conforming to a ductal distribution, multiple geographic areas, patchy areas of enhancement
<input type="checkbox"/> Diffuse	Enhancement distributed uniformly throughout the breast

**Non-Mass Like Enhancement**

<b>Internal Enhancement</b> ( <i>select one</i> )	<b>Description</b>
<input type="checkbox"/> Homogeneous	Confluent uniform enhancement
<input type="checkbox"/> Heterogeneous	Nonuniform enhancement in a random pattern
<input type="checkbox"/> Stippled, punctate	Punctuate, similar appearing enhancing foci, sand-like or dot-like
<input type="checkbox"/> Clumped	Cobblestone-like enhancement, with occasional confluent areas
<input type="checkbox"/> Reticular, dendritic	Enhancement with finger like projections extending toward nipple, especially seen on axial or sagittal images, in women with partly fatty–involved breasts

**D. Symmetric or Asymmetric (bilateral scans only)**

<b>Symmetric or Asymmetric</b> ( <i>select one</i> )	<b>Description</b>
<input type="checkbox"/> Symmetric	Mirror-image enhancement
<input type="checkbox"/> Asymmetric	More in one breast than in the other

**E. Other Findings** (*select all that apply*)

<input type="checkbox"/> None apply	<input type="checkbox"/> Edema
<input type="checkbox"/> Nipple retraction	<input type="checkbox"/> Lymphadenopathy
<input type="checkbox"/> Nipple invasion	<input type="checkbox"/> Pectoralis muscle invasion
<input type="checkbox"/> Pre-contrast high ductal signal	<input type="checkbox"/> Chest wall invasion
<input type="checkbox"/> Skin thickening (focal)	<input type="checkbox"/> Hematoma/blood
<input type="checkbox"/> Skin thickening (diffuse)	<input type="checkbox"/> Abnormal signal void
<input type="checkbox"/> Skin invasion	<input type="checkbox"/> Cysts

**F. Kinetic Curve Assessment****Kinetic Curve Assessment** (*select one*)**Description**

- | Kinetic Curve Assessment ( <i>select one</i> ) | Description                  |
|--|------------------------------|
| <input type="checkbox"/> Initial rise          | Slow, medium, rapid          |
| <input type="checkbox"/> Delayed phase         | Persistent, plateau, washout |

**G. Assessment Category****Assessment Category** (*select one*)**Description**

- | Assessment Category ( <i>select one</i> )   | Description                                       |
|---|---|
| <input type="checkbox"/> <b>Category 0</b> – Incomplete: Need additional imaging evaluation | Finding for which additional evaluation is needed |

**Final Assessment**

- |  |   |
|--|---|
| <input type="checkbox"/> <b>Category 1</b> – Negative                        | No abnormal enhancement, no lesion found (routine follow-up)  |
| <input type="checkbox"/> <b>Category 2</b> – Benign finding                  | Benign, no malignant features; i.e., cyst, (routine follow-up)  |
| <input type="checkbox"/> <b>Category 3</b> – Probably benign finding         | Probably benign finding (short interval follow-up)  |
| <input type="checkbox"/> <b>Category 4</b> – Suspicious abnormality          | Low to moderate suspicion for malignancy (biopsy should be considered)  |
| <input type="checkbox"/> <b>Category 5</b> – Highly suggestive of malignancy | High probability of malignancy (appropriate action should be taken)   |
| <input type="checkbox"/> <b>Category 6</b> – Known cancer                    | Biopsy-proven malignancy diagnosis on the imaged finding prior to definitive therapy (appropriate action should be taken) |