



# **Role of breast MRI in early detection and evaluation of Ductal Carcinoma in Situ**

*Essay*

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# ABBREVIATIONS

|                |                                          |
|----------------|------------------------------------------|
| <b>ACC</b>     | Adenoid cystic Carcinoma                 |
| <b>ACR</b>     | American College of radiology            |
| <b>AJCC</b>    | American Joint Committee on Cancer       |
| <b>AUC</b>     | Area under the enhancement curve         |
| <b>BIRADS</b>  | Breast Imaging Reporting and Data system |
| <b>BPE</b>     | Breast parenchymal enhancement           |
| <b>CSCs</b>    | Cancer Stem Cells                        |
| <b>CIS</b>     | Carcinoma In Situ                        |
| <b>CC</b>      | Craniocaudal                             |
| <b>DTPA</b>    | Diethylenetriamine-penta-acetic acid     |
| <b>DES</b>     | Diethylstilbestrol                       |
| <b>DCIS</b>    | Ductal carcinoma in situ                 |
| <b>DIN</b>     | Ductal intraepithelial neoplasia         |
| <b>DCE-MRI</b> | Dynamic contrast enhanced MRI            |
| <b>FOV</b>     | Field of view                            |
| <b>FDA</b>     | Food and Drug Administration             |
| <b>Gd</b>      | Gadolinium                               |
| <b>Gd-DTPA</b> | Gd diethylenetriaminepentaacetic acid    |
| <b>GFR</b>     | Glomerular filtration rate               |

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|                |                                                   |
|----------------|---------------------------------------------------|
| <b>GRE</b>     | Gradient –Echo sequences                          |
| <b>HRT</b>     | Hormone replacement therapy                       |
| <b>UICC</b>    | International Union for Cancer Control            |
| <b>IDC</b>     | Intraductal or Invasive ductal Carcinoma          |
| <b>IV</b>      | Intravenous                                       |
| <b>IDC-NOS</b> | Invasive ductal carcinoma not otherwise specified |
| <b>ILC</b>     | Invasive lobular carcinoma                        |
| <b>LCIS</b>    | Lobular carcinoma in situ                         |
| <b>LIQ</b>     | Lower Inner Quadrant                              |
| <b>LOQ</b>     | Lower Outer Quadrant                              |
| <b>MRA</b>     | Magnetic resonance angiography                    |
| <b>MRI</b>     | Magnetic resonance imaging                        |
| <b>MIP</b>     | Maximum intensity projection                      |
| <b>MLO</b>     | Mediolateral oblique                              |
| <b>mm</b>      | Milli meter                                       |
| <b>MTC</b>     | Mixed tubular carcinoma                           |
| <b>MPR</b>     | Multiplanar reformatted images                    |
| <b>NCI</b>     | National Cancer Institute                         |
| <b>NOS</b>     | Not otherwise specified                           |
| <b>OCP</b>     | Oral Contraceptives Pills                         |
| <b>PLCIS</b>   | Pleomorphic Lobular carcinoma in situ             |

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|             |                                         |
|-------------|-----------------------------------------|
| <b>PPV</b>  | Positive Predictive Value               |
| <b>PTC</b>  | Pure Tubular Carcinoma                  |
| <b>ROI</b>  | Region of interest                      |
| <b>STIR</b> | Short inversion Time Inversion Recovery |
| <b>SER</b>  | Signal Enhancement Ratio                |
| <b>SE</b>   | Spin-Echo sequences                     |
| <b>TDLU</b> | Terminal Ductal Lobular Unit            |
| <b>T</b>    | Tesla                                   |
| <b>3D</b>   | Three dimensional                       |
| <b>TIC</b>  | Time-signal intensity curve             |
| <b>TNM</b>  | Tumor node metastasis                   |
| <b>2D</b>   | Two dimensional                         |
| <b>US</b>   | Ultrasound                              |
| <b>UIQ</b>  | Upper Inner Quadrant                    |
| <b>UOQ</b>  | Upper Outer Quadrant                    |
| <b>WHO</b>  | World Health Organization               |

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