

DICOM Correction Proposal Form

Correction Number	
Log Summary: Add missing Code Definitions to PS 3.16, Annex D	
Type of Modification	Name of Standard
Correction	PS 3.16
Rationale for Correction	
<p>Some of the definitions for DICOM Coded terms in PS 3.16, Annex D are missing. This correction proposal adds definitions for DICOM coded terms that were originally part of DICOM Supplement 50, Mammography CAD SR. This CP takes into account the final text of CP-290, which retires several DCM coded terms that were replaced with SNOMED coded terms.</p> <p>The definitions contained here were obtained from a combination of BI-RADS®, and Atlas of Tumor Pathology, Tumors of the Mammary Gland by Paul P. Rosen, MD and Harold A. Oberman, MD. Published by the Armed Forces Institute of Pathology, 1992.</p> <p>Diagnosis of Diseases of the Breast, by Lawrence W. Bassett, MD, Valerie P. Jackson, MD, W.B. Saunders Company, 1997.</p>	
Sections of documents affected	
PS 3.16, Annex D	
Correction Wording: Update the following definitions in PS 3.16 Annex D:	

Annex D DICOM Controlled Terminology Definitions (Normative)

This Annex specifies the meanings of codes defined in DICOM, either explicitly or by reference to another part of DICOM or an external reference document or standard.

DICOM Code Definitions (Coding Scheme Designator “DCM” Coding Scheme Version “01”)

Code Value	Code Meaning	Definition
111138	Old films for comparison	<u>Obtain previous mammography studies to compare to present study</u>
111140	Normal interval follow-up	<u>Follow up study at 12 months for women ≥ 40 years of age having a prior negative study and no mitigating risk factors for breast cancer</u>
111141	Any decision to biopsy should be based on clinical assessment	<u>Any decision to perform tissue acquisition should be based on clinical assessment</u>
111142	Follow-up at short interval (1-11 months)	<u>Follow-up at short interval (1-11 months)</u>
111143	Biopsy should be considered	<u>Tissue acquisition should be considered</u>
111144	Needle localization and biopsy	<u>Breast tissue acquisition following the identification of an area of concern with the placement of a needle or needle-wire assembly</u>
111145	Histology using core biopsy	<u>Pathologic analysis of breast tissue and lesions using core tissue samples</u>
111146	Suggestive of malignancy – take appropriate action	<u>Lesions that do not have the characteristic morphologies of breast cancer but have a definite probability of being malignant. There is a sufficient concern to urge a biopsy.</u>
111148	Biopsy should be strongly considered	<u>Tissue acquisition should be strongly considered</u>
111149	Highly suggestive of malignancy – take appropriate action	<u>Lesions have a high probability of being cancer, which require additional action.</u>
111176	Unspecified	<u>The value of the concept is not specified</u>
111216	Mechanical failure	<u>Failure of the device to operate according to mechanical design specifications.</u>
111217	Electrical failure	<u>Failure of a device to operate according to electrical design specifications</u>
111219	Inappropriate image processing	<u>Images processed inappropriately, not following appropriate protocol</u>

Code Value	Code Meaning	Definition
111220	Other failure	<u>Failure that is not mechanical or electrical or otherwise described</u>
111221	Unknown failure	<u>Unidentified or unknown cause of failure</u>
111251	Normal axillary node	<u>Axillary node that is normal in appearance with no associated pathology</u>
111252	Axillary node with calcifications	<u>Axillary node containing calcifications</u>
111255	Benign cyst with blood	<u>Cyst with benign morphology containing blood</u>
111256	Benign Calcifications	<u>Calcifications having typically benign morphology. They are not of intermediate or high probability of concern for malignancy.</u>
111263	Fibroadenomatoid hyperplasia	<u>Excessive proliferation of fibroadenoma tissue</u>
111286	No abnormality	<u>No abnormality</u>
111287	Normal breast tissue	<u>Normal breast tissue</u>
111291	Post reduction mammoplasty	<u>Breast tissue with characteristics of a benign nature, following breast reduction surgery</u>
111296	Silicone granuloma	<u>Nodular inflammatory lesions due to the presence of silicone in the breast tissue.</u>
111298	Virginal hyperplasia	<u>Spontaneous excessive proliferation of breast tissue, usually found in younger women</u>
111300	Axillary node with lymphoma	<u>Axillary node with lymphoid tissue neoplasm</u>
111303	Blood vessel (vascular) invasion	<u>Histological changes to the vascular system related to an invasive process</u>
111304	Carcinoma in children	<u>Carcinoma of the breast found in patients less than 20 years of age.</u>
111305	Carcinoma in ectopic breast	<u>A carcinoma found in supernumerary breasts and aberrant breast tissue</u>
111306	Carcinoma with endocrine differentiation	<u>A carcinoma that synthesizes substances, including hormones, not considered to be normal products of the breast</u>
111307	Basal cell carcinoma of nipple	<u>A basal cell carcinoma that arises in the nipple of the breast</u>
111309	Cartilaginous and osseous change	<u>Tissue changes to bones and cartilage</u>
111310	Carcinoma in pregnancy and lactation	<u>Carcinoma of the breast presenting during pregnancy or lactation</u>

Code Value	Code Meaning	Definition
111313	Intraductal carcinoma, low grade	<u>A non-invasive carcinoma restricted to the glandular lumen characterized by less aggressive malignant cytologic features and behavior</u>
111315	Intracystic papillary carcinoma	<u>A malignant neoplasm characterized by the formation of numerous, irregular, finger-like projections of fibrous stroma that is covered with a surface layer of neoplastic epithelial cells found in a cyst</u>
111316	Invasive and in-situ carcinoma	<u>Carcinoma with both characteristics of localized and spreading disease</u>
111318	Leukemic infiltration	<u>Mammary infiltrates as a secondary manifestation in patients with established leukemia</u>
111320	Lymphatic vessel invasion	<u>Histological changes to the lymphatic system related to an invasive process</u>
111322	Occult carcinoma presenting with axillary lymph node metastases	<u>A small carcinoma, either asymptomatic or giving rise to metastases without symptoms due to the primary carcinoma presenting with metastatic disease in the axillary lymph nodes</u>
111323	Metastatic cancer to the breast	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a non-mammary malignant neoplasm</u>
111324	Metastatic cancer to the breast from the colon	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the colon</u>
111325	Metastatic cancer to the breast from the lung	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the lung</u>
111326	Metastatic melanoma to the breast	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a melanoma</u>
111327	Metastatic cancer to the breast from the ovary	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a neoplasm in the ovary</u>

Code Value	Code Meaning	Definition
111328	Metastatic sarcoma to the breast	<u>A malignant lesion in the breast with morphologic patterns not typical of breast carcinoma arising from a sarcoma</u>
111329	Multifocal intraductal carcinoma	<u>Multiple foci of non-invasive carcinoma restricted to the glandular lumen</u>
111330	Metastatic disease to axillary node	<u>A malignant lesion in an axillary node arising from a non-axillary neoplasm</u>
111333	Metastasis to an intramammary lymph node	<u>A malignant lesion in a intramammary lymph node arising from a non-intramammary lymph node neoplasm</u>
111334	Malignant melanoma of nipple	<u>A malignant melanoma of the skin that arises in the nipple of the breast</u>
111338	Recurrent malignancy	<u>Recurrent malignancy</u>
111340	Squamous cell carcinoma of the nipple	<u>Squamous cell carcinoma to the terminal portion of the alveolar</u>
111341	Intraductal carcinoma, high grade	<u>A non-invasive carcinoma restricted to the glandular lumen characterized by more aggressive malignant cytologic features and behavior.</u>