

References and Recommended Reading

- Albert US, Altland H, Duda V, et al. 2008 update of the guideline: early detection of breast cancer in Germany. *J Cancer Res Clin Oncol* 2009;135(3):339–354
- Alleva DQ, Smetherman DH, Farr GH Jr, Cederbom GJ. Radial scar of the breast: radiologic-pathologic correlation in 22 cases. *Radiographics* 1999;19(Spec No):S27–S35, discussion S36–S37
- Ayyappan AP, Kulkarni S, Crystal P. Pregnancy-associated breast cancer: spectrum of imaging appearances. *Br J Radiol* 2010;83(990):529–534
- Ballesio L, Maggi C, Savelli S, et al. Role of breast magnetic resonance imaging (MRI) in patients with unilateral nipple discharge: preliminary study. *Radiol Med (Torino)* 2008;113(2):249–264
- Bazzocchi F, Santini D, Martinelli G, et al. Juvenile papillomatosis (epitheliosis) of the breast. A clinical and pathologic study of 13 cases. *Am J Clin Pathol* 1986;86(6):745–748
- Bebb G, Glickman B, Gelmon K, Gatti R. “AT risk” for breast cancer. *Lancet* 1997;349(9068):1784–1785
- Berg WA, Blume JD, Cormack JB, et al; ACRIN 6666 Investigators. Combined screening with ultrasound and mammography vs mammography alone in women at elevated risk of breast cancer. *JAMA* 2008;299(18):2151–2163
- Berg WA, Gutierrez L, Ness-Aiver MS, et al. Diagnostic accuracy of mammography, clinical examination, US, and MR imaging in preoperative assessment of breast cancer. *Radiology* 2004;233(3):830–849
- Bernard JR Jr, Vallow LA, DePeri ER, et al. In newly diagnosed breast cancer, screening MRI of the contralateral breast detects mammographically occult cancer, even in elderly women: the Mayo Clinic in Florida experience. *Breast J* 2010;16(2):118–126
- Bird RE, Wallace TW, Yankaskas BC. Analysis of cancers missed at screening mammography. *Radiology* 1992;184(3):613–617
- Blaker KM, Sahoo S, Schweichler MR, Chagpar AB. Malignant phylloides tumor in pregnancy. *Am Surg* 2010;76(3):302–305
- Bluemke DA, Gatsonis CA, Chen MH, et al. Magnetic resonance imaging of the breast prior to biopsy. *JAMA* 2004;292(22):2735–2742
- Boetes C, Strijk SP, Holland R, Barentsz JO, Van Der Sluis RF, Ruijs JH. False-negative MR imaging of malignant breast tumors. *Eur Radiol* 1997;7(8):1231–1234
- Bouté V, Goyat I, Denoux Y, Lacroix J, Marie B, Michels JJ. Are the criteria of Tabar and Dean still relevant to radial scar? *Eur J Radiol* 2006;60(2):243–249
- Brenner RJ, Fajardo L, Fisher PR, et al. Percutaneous core biopsy of the breast: effect of operator experience and number of samples on diagnostic accuracy. *AJR Am J Roentgenol* 1996;166(2):341–346
- Britton PD, Provenzano E, Barter S, et al. Ultrasound guided percutaneous axillary lymph node core biopsy: how often is the sentinel lymph node being biopsied? *Breast* 2009;18(1):13–16
- Ciatto S, Rosselli del Turco M, Catarzi S, Morrone D, Bonardi R. The diagnostic role of breast echography. [Article in Italian] *Radiol Med (Torino)* 1994;88(3):221–224
- Dawson AE, Mulford DK, Taylor AS, Logan-Young W. Breast carcinoma detection in women age 35 years and younger: mammography and diagnosis by fine-needle aspiration cytology. *Cancer* 1998;84(3):163–168
- DeMartini W, Lehman C, Partridge S. Breast MRI for cancer detection and characterization: a review of evidence-based clinical applications. *Acad Radiol* 2008;15(4):408–416
- Den Otter W, Merchant TE, Beijerinck D, Koten JW. Breast cancer induction due to mammographic screening in hereditarily affected women. *Anticancer Res* 1996;16(5B):3173–3175
- Dennis MA, Parker SH, Klaus AJ, Stavros AT, Kaske TI, Clark SB. Breast biopsy avoidance: the value of normal mammograms and normal sonograms in the setting of a palpable lump. *Radiology* 2001;219(1):186–191
- Dershaw DD, Yahalom J, Petrek JA. Breast carcinoma in women previously treated for Hodgkin disease: mammographic evaluation. *Radiology* 1992;184(2):421–423
- Eby PR, Demartini WB, Peacock S, Rosen EL, Lauro B, Lehman CD. Cancer yield of probably benign breast MR examinations. *J Magn Reson Imaging* 2007;26(4):950–955
- Egyed Z, Péntek Z, Járay B, et al. Radial scar—significant diagnostic challenge. *Pathol Oncol Res* 2008;14(2):123–129
- Facius M, Renz DM, Neubauer H, et al. Characteristics of ductal carcinoma in situ in magnetic resonance imaging. *Clin Imaging* 2007;31(6):394–400
- Ferguson TB Jr, McCarty KS Jr, Filston HC. Juvenile secretory carcinoma and juvenile papillomatosis: diagnosis and treatment. *J Pediatr Surg* 1987;22(7):637–639
- Foxcroft LM, Evans EB, Porter AJ. The diagnosis of breast cancer in women younger than 40. *Breast* 2004;13(4):297–306
- Gajdos C, Tartter PI, Bleiweiss JJ, Bodian C, Brower ST. Stage 0 to stage III breast cancer in young women. *J Am Coll Surg* 2000;190(5):523–529
- Gillett D, Kennedy C, Carmalt H. Breast cancer in young women. *Aust N Z J Surg* 1997;67(11):761–764
- Gorins A, Lenhardt F, Espie M. Breast cancer during pregnancy. Epidemiology—diagnosis—prognosis. [Article in French] *Contracept Fertil Sex* 1996;24(2):153–156
- Graf O, Helbich TH, Fuchsjaeger MH, et al. Follow-up of palpable circumscribed noncalcified solid breast masses at mammography and US: can biopsy be averted? *Radiology* 2004;233(3):850–856
- Grunwald S, Heyer H, Kühl A, et al. Radial scar/complex sclerosing lesion of the breast—value of ultrasound. *Ultraschall Med* 2007;28(2):206–211
- Gutierrez RL, DeMartini WB, Eby PR, Kurland BF, Peacock S, Lehman CD. BI-RADS lesion characteristics predict likelihood of malignancy in breast MRI for masses but not for nonmasslike enhancement. *AJR Am J Roentgenol* 2009;193(4):994–1000
- Harris JR, Hellman S, Henderson C, Kinne DW. *Breast Diseases*. 2nd ed. Philadelphia: JB Lippincott; 1991
- Harvey JA, Fajardo LL, Innis CA. Previous mammograms in patients with impalpable breast carcinoma: retrospective vs blinded interpretation. 1993 ARRS President’s Award. *AJR Am J Roentgenol* 1993;161(6):1167–1172
- Heywang-Köbrunner SH, Bick U, Bradley WG Jr, et al. International investigation of breast MRI: results of a multicentre study (11 sites) concerning diagnostic parameters for contrast-enhanced MRI based on 519 histopathologically correlated lesions. *Eur Radiol* 2001;11(4):531–546
- Heywang-Köbrunner SH, Schreer I, Heindel W, Katalinic A. Imaging studies for the early detection of breast cancer. *Dtsch Arztebl Int* 2008;105(31–32):541–547
- Heywang-Köbrunner SH, Viehweg P, Heinig A, Küchler C. Contrast-enhanced MRI of the breast: accuracy, value, controversies, solutions. *Eur J Radiol* 1997;24(2):94–108
- Hong AS, Rosen EL, Soo MS, Baker JA. BI-RADS for sonography: positive and negative predictive values of sonographic features. *AJR Am J Roentgenol* 2005;184(4):1260–1265
- Hrung JM, Sonnad SS, Schwartz JS, Langlotz CP. Accuracy of MR imaging in the work-up of suspicious breast lesions: a diagnostic meta-analysis. *Acad Radiol* 1999;6(7):387–397
- Hwang ES, Kinkel K, Esserman LJ, Lu Y, Weidner N, Hylton NM. Magnetic resonance imaging in patients diagnosed with ductal carcinoma-in-situ: value in the diagnosis of residual disease, occult invasion, and multicentricity. *Ann Surg Oncol* 2003;10(4):381–388

- Institute for Clinical Systems Improvement. Health Care Guideline: Diagnosis of Breast Disease 2012 www.icsi.org
- Jackson VP, Dines KA, Bassett LW, Gold RH, Reynolds HE. Diagnostic importance of the radiographic density of noncalcified breast masses: analysis of 91 lesions. *AJR Am J Roentgenol* 1991;157(1):25–28
- Kerlikowske K, Grady D, Barclay J, Sickles EA, Eaton A, Ernster V. Positive predictive value of screening mammography by age and family history of breast cancer. *JAMA* 1993;270(20):2444–2450
- Kneeshaw PJ, Turnbull LW, Smith A, Drew PJ. Dynamic contrast enhanced magnetic resonance imaging aids the surgical management of invasive lobular breast cancer. *Eur J Surg Oncol*. 2003;29(1):32–37
- Kushwaha AC, Whitman GJ, Stelling CB, Cristofanilli M, Buzdar AU. Primary inflammatory carcinoma of the breast: retrospective review of mammographic findings. *AJR Am J Roentgenol* 2000;174(2):535–538
- Lee CH, Dershaw DD, Kopans D, et al. Breast cancer screening with imaging: recommendations from the Society of Breast Imaging and the ACR on the use of mammography, breast MRI, breast ultrasound, and other technologies for the detection of clinically occult breast cancer. *J Am Coll Radiol* 2010;7(1):18–27
- Lee E, Wylie E, Metcalf C. Ultrasound imaging features of radial scars of the breast. *Australas Radiol* 2007;51(3):240–245
- Lieberman L, Mason G, Morris EA, Dershaw DD. Does size matter? Positive predictive value of MRI-detected breast lesions as a function of lesion size. *AJR Am J Roentgenol* 2006;186(2):426–430
- Lieberman L, Morris EA, Benton CL, Abramson AF, Dershaw DD. Probably benign lesions at breast magnetic resonance imaging: preliminary experience in high-risk women. *Cancer* 2003;98(2):377–388
- Linda A, Zuiani C, Furlan A, et al. Radial scars without atypia diagnosed at imaging-guided needle biopsy: how often is associated malignancy found at subsequent surgical excision, and do mammography and sonography predict which lesions are malignant? *AJR Am J Roentgenol* 2010;194(4):1146–1151
- Lord SJ, Lei W, Craft P, et al. A systematic review of the effectiveness of magnetic resonance imaging (MRI) as an addition to mammography and ultrasound in screening young women at high risk of breast cancer. *Eur J Cancer* 2007;43(13):1905–1917
- Lowry KP, Lee JM, Kong CY, et al. Annual screening strategies in BRCA1 and BRCA2 gene mutation carriers: a comparative effectiveness analysis. *Cancer* 2012;118(8):2021–2030
- Mainiero MB, Goldkamp A, Lazarus E, et al. Characterization of breast masses with sonography: can biopsy of some solid masses be deferred? *J Ultrasound Med* 2005;24(2):161–167
- Meissnitzer M, Dershaw DD, Lee CH, Morris EA. Targeted ultrasound of the breast in women with abnormal MRI findings for whom biopsy has been recommended. *AJR Am J Roentgenol* 2009;193(4):1025–1029
- Mendelson EB. Problem-solving ultrasound. *Radiol Clin North Am* 2004;42(5):909–918, vii
- Menell JH, Morris EA, Dershaw DD, Abramson AF, Brogi E, Lieberman L. Determination of the presence and extent of pure ductal carcinoma in situ by mammography and magnetic resonance imaging. *Breast J* 2005;11(6):382–390
- Morrogh M, Morris EA, Lieberman L, Van Zee K, Cody HS III, King TA. MRI identifies otherwise occult disease in select patients with Paget disease of the nipple. *J Am Coll Surg* 2008;206(2):316–321
- Moy L, Noz ME, Maguire GQ Jr, et al. Role of fusion of prone FDG-PET and magnetic resonance imaging of the breasts in the evaluation of breast cancer. *Breast J* 2010;16(4):369–376
- Nakahara H, Namba K, Watanabe R, et al. A comparison of MR imaging, galactography and ultrasonography in patients with nipple discharge. *Breast Cancer* 2003;10(4):320–329
- National Breast Cancer Centre. Magnetic resonance imaging for the early detection of breast cancer in women at high risk: a systematic review of the evidence. Camperdown, NSW: NBCC; 2006
- National Institute for Health and Clinical Excellence. Clinical Guideline 41. Familial Breast Cancer: the classification and care of women at risk of familial breast cancer in primary, secondary and tertiary care. London: National Institute for Health and Clinical Excellence; 2006
- NCCN Clinical Practice Guidelines in Oncology. Breast Cancer Screening and Diagnosis Guidelines V.1 2008 www.nccn.org
- Nonomura A, Kimura A, Mizukami Y, et al. Secretory carcinoma of the breast associated with juvenile papillomatosis in a 12-year-old girl. A case report. *Acta Cytol* 1995;39(3):569–576
- Nothacker M, Duda V, Hahn M, et al. Early detection of breast cancer: benefits and risks of supplemental breast ultrasound in asymptomatic women with mammographically dense breast tissue. A systematic review. *BMC Cancer* 2009;9:335–344
- Otto SJ, Fracheboud J, Verbeek AL, et al; National Evaluation Team for Breast Cancer Screening. Mammography screening and risk of breast cancer death: a population-based case-control study. *Cancer Epidemiol Biomarkers Prev* 2012;21(1):66–73
- Pediconi F, Occhiato R, Venditti F, et al. Radial scars of the breast: contrast-enhanced magnetic resonance mammography appearance. *Breast J* 2005;11(1):23–28
- Perfetto F, Fiorentino F, Urbano F, Silecchia R. Adjunctive diagnostic value of MRI in the breast radial scar. *Radiol Med (Torino)* 2009;114(5):757–770
- Perry N, Broeders M, de Wolf C, Toernberg S, Holland R, von Karsa L, eds. European Guidelines for Quality Assurance in Breast Screening and Diagnosis. Luxembourg: Office for Official Publications of the European Communities; 2006: 221–56
- Peters NH, Borel Rinkes IH, Zuithoff NP, Mali WP, Moons KG, Peeters PH. Meta-analysis of MR imaging in the diagnosis of breast lesions. *Radiology* 2008;246(1):116–124
- Pollán M. Epidemiology of breast cancer in young women. *Breast Cancer Res Treat* 2010;123(Suppl 1):3–6
- Raza S, Goldkamp AL, Chikarmane SA, Birdwell RL. US of breast masses categorized as BI-RADS 3, 4, and 5: pictorial review of factors influencing clinical management. *Radiographics* 2010;30(5):1199–1213
- Reintgen D, Berman C, Cox C, et al. The anatomy of missed breast cancers. *Surg Oncol* 1993;2(1):65–75
- Ries LAG, Melbert D, Krapcho M, et al, Eds. SEER Cancer Statistics Review, 1975–2005. Bethesda, MD: National Cancer Institute; 2008
- Roelofs AA, Karssemeijer N, Wedekind N, et al. Importance of comparison of current and prior mammograms in breast cancer screening. *Radiology* 2007;242(1):70–77
- Rosen EL, Smith-Foley SA, DeMartini WB, Eby PR, Peacock S, Lehman CD. BI-RADS MRI enhancement characteristics of ductal carcinoma in situ. *Breast J* 2007;13(6):545–550
- Rosen PP, Kimmel M. Juvenile papillomatosis of the breast. A follow-up study of 41 patients having biopsies before 1979. *Am J Clin Pathol* 1990;93(5):599–603
- Rosenberg RD, Hunt WC, Williamson MR, et al. Effects of age, breast density, ethnicity, and estrogen replacement therapy on screening mammographic sensitivity and cancer stage at diagnosis: review of 183,134 screening mammograms in Albuquerque, New Mexico. *Radiology* 1998;209(2):511–518

- Saarenmaa I, Salminen T, Geiger U, et al. The visibility of cancer on earlier mammograms in a population-based screening programme. *Eur J Cancer* 1999;35(7):1118-1122
- Sabate JM, Clotet M, Torrubia S, et al. Radiologic evaluation of breast disorders related to pregnancy and lactation. *RadioGraphics* 2007;27(Suppl 1):S101-S124
- Sardanelli F, Boetes C, Borisch B, et al. Magnetic resonance imaging of the breast: recommendations from the EUSOMA working group. *Eur J Cancer* 2010;46(8):1296-1316
- Saslow D, Boetes C, Burke W, et al; American Cancer Society Breast Cancer Advisory Group. American Cancer Society guidelines for breast screening with MRI as an adjunct to mammography. *CA Cancer J Clin* 2007;57(2):75-89
- Schelfout K, Van Goethem M, Kersschot E, et al. Preoperative breast MRI in patients with invasive lobular breast cancer. *Eur Radiol* 2004;14(7):1209-1216
- Schmutzler R, Schlegelberger B, Meindl A, et al. Spezielle Strategie – familiäre Belastung. In: Schulz KD, Albert U (Hrsg). Stufe 3 Leitlinie. Brustkrebsfrüherkennung in Deutschland. 1. Aktualisierung 2008. Munich: W. Zuckschwerdt Verlag; 2008: 237
- Schnall MD, Blume J, Bluemke DA, et al. Diagnostic architectural and dynamic features at breast MR imaging: multicenter study. *Radiology* 2006;238(1):42-53
- Schouten van der Velden AP, Boetes C, Bult P, Wobbes T. The value of magnetic resonance imaging in diagnosis and size assessment of in situ and small invasive breast carcinoma. *Am J Surg* 2006;192(2):172-178
- Schwartz GF, Hughes KS, Lynch HT, et al; Consensus Conference Committee. Proceedings of the international consensus conference on breast cancer risk, genetics, & risk management, April, 2007. *Breast J* 2009;15(1):4-16
- Sharan SK, Morimatsu M, Albrecht U, et al. Embryonic lethality and radiation hypersensitivity mediated by Rad51 in mice lacking Brca2. *Nature* 1997;386(6627):804-810
- Shin HJ, Kim HH, Kim SM, et al. Papillary lesions of the breast diagnosed at percutaneous sonographically guided biopsy: comparison of sonographic features and biopsy methods. *AJR Am J Roentgenol* 2008;190(3):630-636
- Shiraishi A, Kurosaki Y, Maehara T, Suzuki M, Kurosumi M. Extension of ductal carcinoma in situ: histopathological association with MR imaging and mammography. *Magn Reson Med Sci* 2003;2(4):159-163
- Sickles EA. Nonpalpable, circumscribed, noncalcified solid breast masses: likelihood of malignancy based on lesion size and age of patient. *Radiology* 1994;192(2):439-442
- Skaane P, Engedal K. Analysis of sonographic features in the differentiation of fibroadenoma and invasive ductal carcinoma. *AJR Am J Roentgenol* 1998;170(1):109-114
- Skaane P, Sauer T. Ultrasonography of malignant breast neoplasms. Analysis of carcinomas missed as tumor. *Acta Radiol* 1999;40(4):376-382
- Skaane P. The additional value of US to mammography in the diagnosis of breast cancer. A prospective study. *Acta Radiol* 1999;40(5):486-490
- Skandarajah AR, Field L, Yuen Larn Mou A, et al. Benign papilloma on core biopsy requires surgical excision. *Ann Surg Oncol* 2008;15(8):2272-2277
- Soo MS, Rosen EL, Baker JA, Vo TT, Boyd BA. Negative predictive value of sonography with mammography in patients with palpable breast lesions. *AJR Am J Roentgenol* 2001;177(5):1167-1170
- Stavros AT, Thickman D, Rapp CL, Dennis MA, Parker SH, Sisney GA. Solid breast nodules: use of sonography to distinguish between benign and malignant lesions. *Radiology* 1995;196(1):123-134
- Stavros AT. *Breast Ultrasound*. Philadelphia: Lippincott Williams and Wilkins; 2003
- Sumkin JH, Holbert BL, Herrmann JS, et al. Optimal reference mammography: a comparison of mammograms obtained 1 and 2 years before the present examination. *AJR Am J Roentgenol* 2003;180(2):343-346
- Swayampakula AK, Dillis C, Abraham J. Role of MRI in screening, diagnosis and management of breast cancer. *Expert Rev Anticancer Ther* 2008;8(5):811-817
- Tabár L, Fagerberg G, Day NE, Duffy SW, Kitchin RM. Breast cancer treatment and natural history: new insights from results of screening. *Lancet* 1992;339(8790):412-414
- Taylor D, Lazberger J, Ives A, Wylie E, Saunders C. Reducing delay in the diagnosis of pregnancy-associated breast cancer: how imaging can help us. *J Med Imaging Radiat Oncol* 2011;55(1):33-42
- Thurfjell MG, Vitak B, Azavedo E, Svane G, Thurfjell E. Effect on sensitivity and specificity of mammography screening with or without comparison of old mammograms. *Acta Radiol* 2000;41(1):52-56
- Trecate G, Tess JD, Vergnaghi D, et al. Lobular breast cancer: how useful is breast magnetic resonance imaging? *Tumori* 2001;87(4):232-238
- Tse GM, Tan PH. Diagnosing breast lesions by fine needle aspiration cytology or core biopsy: which is better? *Breast Cancer Res Treat* 2010;123(1):1-8
- Uematsu T, Yuen S, Kasami M, Uchida Y. Dynamic contrast-enhanced MR imaging in screening detected microcalcification lesions of the breast: is there any value? *Breast Cancer Res Treat* 2007;103(3):269-281
- van Gils CH, Otten JD, Verbeek AL, Hendriks JH, Holland R. Effect of mammographic breast density on breast cancer screening performance: a study in Nijmegen, the Netherlands. *J Epidemiol Community Health* 1998;52(4):267-271
- Van Goethem M, Schelfout K, Kersschot E, et al. Comparison of MRI features of different grades of DCIS and invasive carcinoma of the breast. *JBR-BTR* 2005;88(5):225-232
- Varela C, Karssemeijer N, Hendriks JH, Holland R. Use of prior mammograms in the classification of benign and malignant masses. *Eur J Radiol* 2005;56(2):248-255
- Wagner TD, Wharton K, Donohue K, et al. Pure tubular breast carcinoma: a 34 year study of outcomes. *Breast J* 2008;14(5):512-513
- Warner E, Messersmith H, Causer P, Eisen A, Shumak R, Plewes D. Systematic review: using magnetic resonance imaging to screen women at high risk for breast cancer. *Ann Intern Med* 2008;148(9):671-679
- Weinstein SP, Hanna LG, Gatsonis C, Schnall MD, Rosen MA, Lehman CD. Frequency of malignancy seen in probably benign lesions at contrast-enhanced breast MR imaging: findings from ACRIN 6667. *Radiology* 2010;255(3):731-737
- Winchester DP. Breast cancer in young women. *Surg Clin North Am* 1996;76(2):279-287
- Wojcinski S, Farrokh A, Weber S, et al. Multicenter study of ultrasound real-time tissue elastography in 779 cases for the assessment of breast lesions: improved diagnostic performance by combining the BI-RADS®-US classification system with sonoelastography. *Ultraschall Med* 2010;31(5):484-491
- Yankaskas BC, Haneuse S, Kapp JM, Kerlikowske K, Geller B, Buist DS; Breast Cancer Surveillance Consortium. Performance of first mammography examination in women younger than 40 years. *J Natl Cancer Inst* 2010;102(10):692-701