

## **Literaturverzeichnis**

- (1) ACR (2004): American College of Radiology: ACR Practice Guideline for the Performance of Magnetic Resonance Imaging (MRI) of the breast. Oktober 1, 2004; verfügbar unter [http://www.acr.org/s\\_acr/bin.asp?TrackID=&SID=1&DID=77775&CID=549&VID=2&DOC=File.PDF](http://www.acr.org/s_acr/bin.asp?TrackID=&SID=1&DID=77775&CID=549&VID=2&DOC=File.PDF)
- (2) Arpino (2004): Arpino G, Allred DC, Mohsin SK, et al: Lobular neoplasia on core-needle biopsy - clinical significance. *Cancer.* 2004, *101*(2), S.242-50
- (3) Badve (2003): Badve S, Path FRC, Wiley E, et al: Assessment of utility of ductal lavage and ductoscopy in breast cancer - a retrospective analysis of mastectomy specimens. *Mod Pathol.* 2003, *16*(3), S.206-9
- (4) Bauer (1998): Bauer RL, Eckhert KH, Nemoto T: Ductal Carcinoma In Situ – Associated Nipple Discharge: A clinical marker for locally extensive disease. *Ann Surg Oncol.* 1998, *5*(5), S.452-5
- (5) Becker (2001): Becker N: Entwicklung der Inzidenz und Mortalität an Brustkrebs.. *Radiologe.* 2001, *41*(4), S.337-43
- (6) Beechey-Newman (2005): Beechey-Newman N, Kulkarni D, Kothari A, et al: Breast duct microendoscopy in nipple discharge: Microbrush improves cytology. *Surg Endosc.* 2005, *19*, S.1648-51
- (7) Berg (2004): Berg WA, Gutierrez L, Nessaiver MS, et al: Diagnostic accuracy of mammography, clinical examination, us, and mr-imaging in preoperative assessment of breast cancer. *Radiology.* 2004, *233*(3), S.830-49
- (8) Berna (1991): Berna JD, Garcia-Medina V, Kuni CC: Ductoscopy: a new technique for ductal exploration. *Eur J Radiol.* 1991, *12*, S.127-129
- (9) Bluemke (2004): Bluemke DA, Gatsonis CA, Chen MH, et al: Magnetic resonance imaging of the breast prior to biopsy. *JAMA.* 2004, *292*(22), S.2735-2742
- (10) Boecker (1997): Boecker W, Decker T, Ruhnke M, et al: Duktale Hyperplasie und duktales Carcinoma in situ. *Pathologe.* 1997, *18*, S.3-18

- (11) Boetes (1997): False negative MR-imaging of malignant breast tumors. Eur Radiol. 1997, 7, S.1231-4
- (12) Bonnett (2002): Bonnett M, Wallis T, Rossmann M, et al: Histologic and radiographic analysis of ductal carcinoma *in situ* diagnosed using stereotactic incisional core breast biopsy. Mod Pathol. 2002, 15, S.95-101
- (13) Burhenne (1994): Burhenne HJ, Burhenne LW, Goldberg F, et al: Interval breast cancers in the screening mammography program of british columbia: analysis and classification. Am J Roentgenol. 1994, 162, S.1067-71; discussion 1072-75
- (14) Burstein (2004): Burstein HJ, Polyak K, Wong JS, et al: Ductal carcinoma *in situ* of the breast. N Engl J Med. 2004, 350, S.1430-41
- (15) Carney (2003): Carney PA, Miglioretti DL, Yankaskas BC, et al: Individual and combined effects of age, breast density, and hormone replacement therapy use on the accuracy of screening mammography. Ann Intern Med. 2003, 138(3), S.168-75
- (16) Carter (1977): Carter D: Intraductal papillary tumors of the breast: a study of 78 cases. Cancer. 1977, 39, S.1689-92
- (17) Cataliotti (1992): Cataliotti L, Distante V, Ciatto S, et al: Intraductal breast cancer: review of 183 consecutive cases. Eur J Cancer. 1992, 28A, S.917-920
- (18) Chagpar (2003): Chagpar A, Yen T, Sahin A, et al: Intraoperative margin assessment reduces reexcision rates in patients with ductal carcinoma *in situ* treated with breast-conserving surgery. Am J Surg. 2003, 186, S.371-7
- (19) Chagpar (2004): Chagpar AB, Martin RC, Hagendoorn LJ, et al: Lumpectomy margins are affected by tumor size and histologic subtype but not by biopsy technique. Am J Surg. 2004, 188, S.399-402
- (20) Chung (1995): Chung SY, Lee KW, Park Ks, et al: Breast tumors associated with nipple discharge. Correlation of findings on galactography and sonography. Clin Imaging. 1995, 19, S.165-171
- (21) Claus (2005): Claus EB, Petruzella S, Matloff E, et al: Prevalence of BRCA1 and BRCA2 mutations in women diagnosed with ductal carcinoma *in situ*. JAMA. 2005, 293, S.964-9

- (22) Costa (2004): Costa SD, Souchon R, Scharl A: Lokalrezidive nach brusterhaltender Therapie des Mammakarzinoms - Diagnostik und Therapie. Zentralblatt Gynäkologie. 2004, 126(4), S.244-51
- (23) Cuzick (2003): Cuzick J: Treatment of DCIS - results from clinical trials. Surg Oncol. 2003, 12, S.213-219
- (24) Darling (2000): Darling ML, Smith DN, Lester SC, et al: Atypical ductal hyperplasia and ductal carcinoma in situ as revealed by large-core needle breast biopsy: results of surgical excision. Am J Radiol. 2000, 175, S.1341-6
- (25) Dawes (1998): Dawes LG, Bowen C, Venta LA, et al: Ductography for nipple discharge: No replacement for ductal excision. Surgery. 1998, 124, S.685-91
- (26) Dietz (2000): Dietz JR, Kim JA, Malycky JL, et al: Feasibility and technical considerations of mammary ductoscopy in human mastectomy specimens. The Breast Journal. 2000, 6(3), S.161-65
- (27) Dietz (2002): Dietz JR, Crowe JP, Grundfest S, et al: Directed duct excision by using mammary ductoscopy in patients with pathologic nipple discharge. Surgery. 2002, 132, S.582-8
- (28) Dooley (2002): Dooley WC: Routine operative breast endoscopy for bloody nipple discharge. Ann Surg Oncol. 2002, 9(9), S.920-3
- (29) Dooley (2003): Dooley WC: Routine operative breast endoscopy during lumpectomy. Ann Surg Oncol. 2003, 10(1), S.38-42
- (30) Dooley (2004): Dooley WC, Francescatti D, Clark L, et al: Office-based breast ductoscopy for diagnosis. Am J Surg. 2004, 188, S.415-8
- (31) Ernster (2002): Ernster V, Ballard-Barbash R, Barlow WE et al: Detection of ductal carcinoma in situ in women undergoing screening mammography. J Natl Cancer Inst. 2002, 94(20), S.1546-54
- (32) Fabian (2004): Fabian CJ, Kimler BF, Mayo MS: Ductal lavage for early detection - what doesn't come out in the wash. J Natl Cancer Inst. 2004, 96, S.1488-9

- (33) Fisher (2004): Fisher ER, Land SR, Fisher B, et al: Pathologic findings from the national surgical adjuvant breast and bowel project. *Cancer*. 2004, *100*(2), S.238-44
- (34) Fletcher (2003): Fletcher SW, Elmore JG: Mammographic screening for breast cancer. *N Engl J Med*. 2003, *348*(17), S.1672-80
- (35) Florio (1999): Florio MG, Manganaro T, Pollicino A, et al: Surgical approach to nipple discharge: a ten-year experience. *J Surg Oncol*. 1999, *71*, S.235-8
- (36) Franceschi (1998): Franceschi S, Levi F, La Vecchia C et al: Second cancers following *in situ* carcinoma of the breast. *Int J Cancer*. 1998, *77*, S.392-95
- (37) Freedman (2002): Freedman GM, Hanlon AL, Fowble BL et al.: Recursive partitioning identifies patients at high and low risk for ipsilateral tumor recurrence after breast-conserving surgery and radiation.. *J Clin Oncol*. 2002, *20*(19), S.4015-21
- (38) Frykberg (1999): Frykberg ER: Lobular carcinoma *in situ* of the breast. *The Breast Journal*. 1999, *5*(5), S.296-302
- (39) Funovics (2003): Funovics MA, Philipp MO, Lackner B, et al: Galactography: method of choice in pathologic nipple discharge?. *Eur Radiol*. 2003, *13*, S.94-99
- (40) Going (2004): Going JJ, Moffat DF: Escaping from flatland: clinical and biological aspects of human mammary duct anatomy in three dimensions. *J Pathol*. 2004, *203*, S.538-44
- (41) Gulay (1994): Gulay H, Bora S, Kilicburgay S, et al: Management of nipple discharge. *J Am Coll Surg*. 1994, *178*, 471-4
- (42) Haagensen (1981): Haagensen CD, Bodian C, Haagensen DE: *Breast carcinoma, risk and detection*. Philadelphia, W. B. Saunders, 1981 S.146-9
- (43) Habel (2004): Habel LA, Dignam JJ, Land SR, et al: Mammographic density and breast cancer after ductal carcinoma *in situ*. *J Natl Cancer Inst*. 2004, *96*(19), S.1467-72

- (44) Hata (2004): Hata T, Takashi H, Watanabe K, et al: Magnetic resonance imaging for preoperative evaluation of breast cancer: a comparative study with mammography and ultrasonography . J Am Coll Surg. 2004, 198(2), S.190-7
- (45) Helvie (1991): Helvie MA, Hessler CH, Frank TS, et al: Atypical hyperplasia of the breast: Mammographic appearance and histologic correlation. Radiology. 1991, 179, S.759-64
- (46) Henry-Tillman (2000): Henry-Tillman RS, Klimberg VS: In situ breast cancer. Curr Treat Options Oncol. 2000, 1, S.199-209
- (47) Holland (1990): Holland R, Hendricks JH, Verbeek ALM, et al: Extent, distribution, and mammographic/histologic correlation of breast ductal carcinoma in situ. Lancet. 1990, 335, S.519-22
- (48) Hünerbein (2003): Hünerbein M, Schwarz LE, Schneider U, et al: Evaluation of pathologic nipple discharge with ductoscopy. J Am Coll Surg. 2003, 3, S.697-98
- (49) Hünerbein (2004): Hünerbein M: Optical biopsy instrument: German patent no. 10258483 2004; US patent application no. WO 2004/052210 A1
- (50) Huynh (1998): Huynh PT, Jarolimek AM, Daye S: The false negative mammogram. RadioGraphics. 1998, 18, S.1137-54
- (51) Ikeda (2004): Ikeda O, Nishimura R, Miyayama H, et al: Magnetic resonance evaluation of the presence of an extensive intraductal component in breast cancer. Acta Radiol. 2004, 45(7), S.721-5
- (52) Jacobs (2002): Jacobs TW, Connolly JL, Schnitt SJ: Nonmalignant lesions in breast core-needle biopsies: To excise or not to excise?. Am J Surg Pathol. 2002, 26(2), S.1095-110
- (53) Kaufman (2005): Kaufman SA, Dipetrillo TA, Ruthazer R et al.: MammoSite excision volume as a predictor for residual disease. Cancer. 2005, 104(5), S.906-12
- (54) Kerlikowske (1996): Kerlikowske K, Grady D, Barclay J, et al: Effect of age, breast density and family history on the sensitivity of first screening mammography. JAMA. 1996, 276, S.33-38

- (55) Khan (2004): Khan SA, Wiley EL, Rodriguez N, et al: Ductal lavage findings in women with known breast cancer undergoing mastectomy. *J Natl Cancer Inst.* 2004, **96**, S.1510-17
- (56) Kim (2004): Kim JA, Crowe JP, Woletz J, et al: Prospective study of intraoperative mammary ductoscopy in patients undergoing partial mastectomy for breast cancer. *The American Journal of Surgery.* 2004, **188**, S.411-14
- (57) Klimberg (1998): Klimberg VS, Westbrook KC, Korourian S: Use of touch preps for diagnosis and evaluation of surgical margins in breast cancer. *Ann Surg Oncol.* 1998, **5**, S.220-6
- (58) Kolb (2002): Kolb TM, Lichy J, Newhouse JH, et al: Comparison of the performance of screening mammography, physical examination and breast us and evaluation of factors that influence them: an analysis of 27825 patient evaluations. *Radiology.* 2002, **225**, S.165-75
- (59) Kothari (2006): Kothari A, Beechey-Newman N, Kulkarni D: Breast duct micro-endoscopy: A study of technique and morphological classification of endo-luminal lesions. *The Breast.* 2006, **15**(3), S.363-9
- (60) Kriege (2004): Kriege M, Brekelmans CTM, Boetes C, et al: Efficacy of mri and mammography for breast cancer screening in women with a familial or genetic predisposition. *N Engl J Med.* 2004, **351**, S.427-37
- (61) Kuhl (2000): Kuhl CK: MRI of breast tumors. *Eur Radiol.* 2000, **10**, S.46-58
- (62) Kuhl (2006): Kuhl CK, Jost P, Morrakabati N, et al: Contrast-enhanced MR imaging of the breast at 3.0 and 1.5 T in the same patients: initial experience. *Radiology.* 2006, **239**(3), S.666-76
- (63) Lakhani (1999): Lakhani S: The transition from hyperplasia to invasive carcinoma of the breast. *J Pathol.* 1999, **187**, S.272-78
- (64) Leis (1989): Leis HP: Management of nipple discharge. *World J Surg.* 1989, **13**, S.736-42
- (65) Leonard (2004): Leonard GD, Swain SM: Ductal carcinoma in situ, complexities and challenges. *J Natl Cancer Inst.* 2004, **96**(12), S.906-20

- (66) Lewin (2001): Lewin JM, Hendrick RE, D'Orsi CJ, et al: Comparison of full-field digital mammography with screen-film mammography for cancer detection: results of 4,945 paired examinations. *Radiology*. 2001, 218, S.873-880
- (67) Love (1996): Love SM, Barsky SH: Breast duct-endoscopy to study stages of cancerous breast disease. *Lancet*. 1996, 348, S.997-9
- (68) Makita (1991): Makita M, Sakamoto G, Akiyama F, et al: Duct endoscopy and endoscopic biopsy in the evaluation of nipple discharge. *Breast Cancer Res Treat*, 1991, 18, S.179-188
- (69) Mallek (1994): Mallek R, Mostbeck GH, Losch A, et al: Extensive intraductal components of invasive ductal breast carcinoma - value of mammography (abstract). *Rofo*. 1994, 160(2), S.164-7
- (70) Mandelson (2000): Mandelson MT, Oestreicher N, Porter PL, et al: Breast density as a predictor of mammographic detection: comparison of interval- and screen-detected cancers. *J Natl Cancer Inst*. 2000, 92, S.1081-87
- (71) Marshall (1997): Marshall LM, Hunter DJ, Connolly JL, et al: Risk of breast cancer associated with atypical hyperplasia of lobular and ductal types. *Cancer Epidemiol Biomar Prev*. 1997, 6, S.297-301
- (72) Matsunaga (2001): Matsunaga T, Ohta D, Misaka T, et al: Mammary ductoscopy for diagnosis and treatment of intraductal lesions of the breast. *Breast Cancer*. 2001, 8, S.213-221
- (73) Matsunaga (2004): Matsunaga T, Kawakami Y, Namba K, et al: Intraductal biopsy for diagnosis and treatment of intraductal lesions of the breast. *Cancer*. 2004, 101,S.2164-9
- (74) Mokbel (2005): Mokbel K, Escobar PF, Matsunaga T: Mammary ductoscopy: current status and future prospects. *EJSO*. 2005, 31, S.3-8
- (75) Moncrief (2005): Moncrief RM, Nayar R, Diaz LK, et al: A comparison of ductoscopy-guided and conventional surgical excision in Women with spontaneous nipple discharge. *Ann Surg*. 2005, 241, S.575-81

- (76) Moore (2001): Moore MM, Whitney LA, Cerilli L, et al: Intraoperative ultrasound is associated with clear lumpectomy margins for palpable infiltrating ductal breast cancer. Ann Surg. 2001, 233, S.761-8
- (77) Mumtaz (1997): Mumtaz H, Hall-Craggs MA, Davidson T, et al: Staging of symptomatic primary breast cancer with mr imaging. Am J Roentgenol. 1997, 169(2), S.417-24
- (78) Nakahara (2002): Nakahara H, Namba K, Wakamatsu H, et al: Extension of breast cancer: comparison of ct and mri. Radiat Med. 2002, 20(1), S.17-23
- (79) Okazaki (1991): Okazaki A, Okazaki M, Asaishi K, et al: Fiberoptic ductoscopy of the breast: a new diagnostic procedure for nipple discharge. Jpn J Clin Oncol. 1991, 21, S.188-193
- (80) Padmore (2000): Padmore RF, Fowble B, Hoffman J et al: Microinvasive breast carcinoma. Clinicopathologic analysis of a single institution experience. Cancer. 2000, 88, S.1403-9
- (81) Page (1985): Page DL, Dupont WD, Rogers LW, et al: Atypical hyperplastic lesions of the female breast. A long-term follow up study. Cancer. 1985, 55, S.2698-2708
- (82) Page (1995): Page DL, Dupont WD, Rogers LW et al: Continued local recurrence of carcinoma 15-25 years after a diagnosis of low grade ductal carcinoma in situ of the breast only by biopsy. Cancer. 1995, 76, S.1197-200
- (83) Page (1996): Page DL, Salhaney KE, Jensen RA, et al: Subsequent breast carcinoma risk after biopsy with atypia in a breast papilloma . Cancer. 1996, 78(2), S.258-66
- (84) Paterok (1993): Paterok EM, Rosenthal H, Saebel M: Nipple discharge and abnormal galactogram. Results of a long term study (1964-1990). Eur J Obstet Gyn R B. 1993, 50, S.227-34
- (85) Renshaw (2004): Renshaw AA, Derhagopian RP, Tizol-Blanco DM, et al: Papillomas and atypical papillomas in breast core-needle biopsy specimens. Am J Clin Pathol. 2004, 122, S.217-21

- (86) Riede (2001): Riede UN, Wittekind C.: Brustdrüse.. Hrsg.: Riede UN, Schäfer HE.: Allgemeine und spezielle Pathologie.. 4. Auflage Stuttgart, Geog Thieme Verlag, 2001 S.950-61
- (87) Robertson (1993): Robertson CL: A private breast imaging practice: medical audit of 25788 screening and 1077 diagnostic examinations. Radiology. 1993, 187, S.75-79
- (88) Rongione (1996): Rongione AJ, Evans BD, Kling KM, et al: Ductography is a useful technique in evaluation of abnormal nipple discharge. Am Surg. 1996, 62, S.785-88
- (89) Sakorafas (2001): Sakorafas GH: Nipple discharge: Current diagnostic and therapeutic approaches. Cancer Treatment Reviews. 2001, 27, S.275-82
- (90) Satake (2000): Satake H, Shimamoto K, Sawaki A, et al: Role of ultrasonography in the detection of intraductal spread of breast cancer: correlation with pathologic findings, mammography and mr imaging. Eur Radiol. 2000, 10(11), S.1726-32
- (91) Sauter (2004): Sauter ER, Ehyi H, Schlatter L, et al: Ductoscopic cytology to detect breast cancer. Cancer J. 2004, 10, S.33-41
- (92) Schnitt (1984): Schnitt SJ, Connolly JL, Harris JR, et al: Pathologic predictors of early local recurrence in stage 1and 2 breast cancer treated by primary radiation therapy. Cancer. 1984, 53, S.1049-57
- (93) Sharma (2004): Sharma P, Klemp JR, Simonson M, et al: Failure of high risk women to produce nipple aspirate fluid does not exclude detection of cytologic atypia in random periareolar fine needle aspiration specimens. Breast Cancer Res Treat. 2004, 87, S.64
- (94) Shen (2000): Shen KW, Wu JS, Han QX, et al: Fiberoptic ductoscopy for patients with nipple discharge. Cancer. 2000, 89, S.1512-19
- (95) Shen (2001): Shen KW, Wu J, Lu JS, et al: Fiberoptic ductoscopy for breast cancer patients with nipple discharge. Surg Endosc. 2001, 15, S.1340-5
- (96) Sickles (2000): Sickles EA: Galactography and other imaging investigations of nipple discharge. Lancet. 2000, 356, S.1622-1623

- (97) Silver (1998): Silver SA, Tavassoli FA: Mammary ductal carcinoma in situ with microinvasion. *Cancer*. 1998, 82, S.2382-90
- (98) Simpson (2003): Simpson PT, Gale T, Fulford LG, et al: Pathology of atypical lobular hyperplasia and lobular carcinoma in situ. *Breast Cancer Res*. 2003, 5, S.258-62
- (99) Sinn (1998): Sinn HP, Anton HW, Magener A et al.: Extensive and predominant in situ component in breast carcinoma: their influence on treatment results after breast-conserving therapy. *Eur J Cancer*. 1998, 34(5), S.646-53
- (100) Skaane (2004): Skaane P, Skjennald A: Screen-film mammography versus full-field digital mammography with soft copy reading: randomized trial in a population-based screening program – the Oslo II Study. *Radiology*. 2004, 232, S.197-204
- (101) Smitt (2003): Smitt MC, Nowels K, Carlson RW et al.: Predictors of reexcision findings and recurrence after breast conservation.. *Int J Radiat Oncol Biol Phys*. 2003, 57(4), S.979-85
- (102) Soo (2003): Soo MS, Baker, JA, Rosen EL, et al: Sonographic detection and sonographically guided biopsy of breast microcalcifications. *Am J Roentgenol*. 2003, 180(4), S.941-8
- (103) Stavros (1995): Stavros AT, Thickman D, Rapp CL, et al: Solid breast nodules: use of sonography to distinguish between benign and malignant lesions. *Radiology*. 1995, 196(1), S.123-34
- (104) Stomper (1989): Stomper PC, Connolly JL, Meyer JE, et al: Clinically occult ductal carcinoma in situ detected with mammography: analysis of 100 cases with radiologic-pathologic correlation. *Radiology*. 1989, 172, S.235-41
- (105) Stomper (1992): Stomper PC, Connolly JL: Mammographic features predicting an extensive intraductal component in early-stage infiltrating ductal carcinoma. *Am J Roentgenol*. 1992, 158(2), S.269-72
- (106) Sundararajan (2006): Sundararajan S, Tohno E, Kamma H, et al: Detection of intraductal component around invasive breast cancer using ultrasound: correlation with mri and histopathological findings. *Radiat Med*. 2006, 24(2), S.108-14

- (107) Temple (2006): Temple WJ, Russel ML, Parsons LL, et al: Conservation surgery for breast cancer as the preferred choice: a prospective analysis. *J Clin Oncol.* 2006, 24(21), S.3367-73
- (108) Trentham-Dietz (2000): Trentham-Dietz A, Newcomb PA, Storer BE, et al: Risk factors for carcinoma in situ of the breast. *Cancer Epidemiol Biomarkers Prev.* 2000, 9, S.697-703
- (109) Vargas (2004): Vargas HI, Khalkhali I, Gonzales KD, et al: Use of preoperative breast ultrasonography for mapping of breast cancer extent improves resection margins during breast conserving surgery. *Arch Surg.* 2004, 139, S.863-9
- (110) Vargas (2005): Vargas C, Kestin L, Go N, et al: Factors associated with local recurrence and cause-specific survival in patients with ductal carcinoma in situ of the breast treated with breast-conserving therapy or mastectomy. *Int J Radiat Oncol Biol Phys.* 2005, 63(5), 1514-21
- (111) Vicini (2001): Vicini FA, Kestin LL, Goldstein NS, et al: Relationship between excision volume, margin status, and tumor size with the development of local recurrence in patients with ductal carcinoma-in-situ treated with breast-conserving therapy. *J Surg Oncol.* 2001, 76, S.245-254
- (112) Weinberg (2005): Weinberg IN, Beylin D, Zavarzin V, et al: Positron emission mammography: high resolution biochemical breast imaging. *Technol Cancer Res Treat.* 2005, 4(1), S.55-60
- (113) Wrensch (2001): Wrensch MR, Petrakis NL, Miike R, et al: Breast cancer risk in women with abnormal cytology in nipple aspirates of breast fluid. *J Natl Cancer Inst.* 2001, 93, S.1791-98
- (114) Yamamoto (2001): Yamamoto D, Shoji T, Kawanishi H, et al: A utility of ductography and fiberoptic ductoscopy for patients with nipple discharge. *Breast Cancer Res Tr.* 2001, 70, S.103-8