

Present Title & Affiliation

Primary Appointment

Professor, Department of Diagnostic Radiology, Division of Diagnostic Imaging, UT MD Anderson Cancer Center, Houston, TX

Education & Training

Degree-Granting Education

1966 St. Louis University School of Medicine, St. Louis, MO, MD, Magna Cum Laude, MD
1962 University of Notre Dame, South Bend, IN, AB, AB

Postgraduate Training

7/1971-6/1974 Resident, Department of Radiology, Duke University Medical Center, Durham, NC
7/1970-6/1971 Resident, Department of Surgery, Duke University Medical Center, Durham, NC
1/1967 Internship, Department of Surgery, Duke University Medical Center, Durham, NC

Board Certifications

1991 Fellow: American College of Radiology
1974 Diagnostic Radiology American Board of Radiology
1967 National Board of Medical Examiners

Selected Publications

Peer-Reviewed Original Research Articles

1. [Dempsey PJ](#). New ultrasound-based imaging technologies are claimed to avoid unnecessary breast biopsies. But what is an “unnecessary” image guided needle biopsy of the breast? J Clin Ultrasound. e-Pub 12/2009. PMID: PMC20014014.
2. [Yang WT](#), [Dryden M](#), [Broglia K](#), [Gilcrease M](#), [Dawood S](#), [Dempsey PJ](#), [Valero V](#), [Hortobagyi G](#), [Atchley D](#), [Arun B](#).. Mammographic features of triple receptor-negative primary breast cancers in young premenopausal women. Breast Cancer Res Treat 111(3):405-10, 10/2008. e-Pub 11/17/2007. PMID: 18026834.
3. [Haygood TM](#), [Whitman GJ](#), [Atkinson EN](#), [Nikolova RG](#), [Sandoval SYC](#), [Dempsey PJ](#).. Results of a survey on digital screening mammography: prevalence, efficiency, and use of ancillary diagnostic aids. J Am Coll Radiol 5(4):585-92, 4/2008. PMID: 18359447.

4. Boughey JC, Middleton LP, Harker L, Garrett B, Fornage B, Hunt KK, Babiera GV, Dempsey P, Bedrosian I. Utility of ultrasound and fine-needle aspiration biopsy of the axilla in the assessment of invasive lobular carcinoma of the breast. *Am J Surg* 194:450-5, 10/2007.
5. [Yang W, Dempsey PJ](#). Diagnostic breast ultrasound: current status and future directions. *Radiol Clin North Am* 45(5):845-861, 9/2007. PMID: 17888773.
6. [Yang WT, Lai CJ, Whitman GJ, Murphy WA, Dryden MJ, Kushwaha AC, Sahin AA, Johnston D, Dempsey PJ, Shaw CC](#). Comparison of full-field digital mammography and screen-film mammography for detection and characterization of simulated small masses. *AJR Am J Roentgenol* 187(6):W576-81, 12/2006. PMID: 1892902.
7. [Erguvan-Dogan B, Whitman GJ, Kushwaha AC, Phelps MJ, Dempsey PJ](#). BI-RADS-MRI: a primer. *AJR Am J Roentgenol* 187(2):W152-60, 8/2006. PMID: 16861504.
8. [Hess KR, Anderson K, Fraser Symmans W, Valero V, Ibrahim N, Mejia JA, Booser D, Theriault RL, Buzdar AU, Dempsey PJ, Rouzier R, Sneige N, Ross JS, Vidaurre T, Gomez HL, Hortobagyi GN, Pusztai L](#). Pharmacogenomic Predictor of Sensitivity to Preoperative Chemotherapy With Paclitaxel and Fluorouracil, Doxorubicin, and Cyclophosphamide in Breast Cancer. *J Clin Oncol*, 8/2006. PMID: 16896004.
9. [Lai CJ, Shaw CC, Whitman GJ, Yang WT, Dempsey PJ, Nguyen V, Ice MF](#). Receiver operating characteristic analysis for the detection of simulated microcalcifications on mammograms using hardcopy images. *Phys Med Biol* 51(16):3901-19, 8/2006. PMID: 16885614.
10. [Bever TB, Anderson BO, Bonaccio E, Borgen PI, Buys S, Daly MB, Dempsey PJ, Farrar WB, Fleming I, Garber JE, Harris RE, Helvie M, Hoover S, Krontiras H, Shaw S, Singletary E, Sugg Skinner C, Smith ML, Tsangaris TN, Wiley EL, Williams C](#). Breast cancer screening and diagnosis. *J Natl Compr Canc Netw* 4(5):480-508, 5/2006. PMID: 16687096.
11. [Erguvan-Dogan B, Dempsey PJ, Ayyar G, Gilcrease MZ](#). Primary desmoid tumor (extraabdominal fibromatosis) of the breast. *AJR Am J Roentgenol* 185(2):488-9, 8/2005. PMID: 16037525.
12. [Selinko VL, Middleton LP, Dempsey PJ](#). Role of sonography in diagnosing and staging invasive lobular carcinoma. *J Clin Ultrasound* 32(7):323-32, 9/2004. PMID: 15293298.
13. [Dempsey PJ](#). The history of breast ultrasound. *J Ultrasound Med* 23(7):887-94, 7/2004. PMID: 15292555.
14. [Yang WT, Whitman GJ, Johnson MM, Bolanos-Clark M, Kushwaha AC, Hunt KK, Dempsey PJ](#). Needle localization for excisional biopsy of breast lesions: comparison of effect of use of full-field digital versus screen-film mammographic guidance on procedure time. *Radiology* 231(1):277-81, 4/2004. PMID: 15068954.
15. [Madigan MN, Dempsey PJ, Krishnamurthy S](#). Ultrasound-guided fine needle aspiration cytodiagnosis of leiomyosarcoma metastatic to the breast. A case report. *Acta Cytol* 47(5):783-6, 9/2003. PMID: 14526679.
16. [Rubin E, Mennemeyer ST, Desmond RA, Urist MM, Waterbor J, Heslin MJ, Bernreuter WK, Dempsey PJ, Pile NS, Rodgers WH](#). Reducing the cost of diagnosis of breast carcinoma: impact of ultrasound and imaging-guided biopsies on a clinical breast practice. *Cancer* 91(2):324-32, 1/2001. PMID: 11180078.

17. Whitman GJ, Kushwaha AC, Cristofanilli M, Dempsey PJ, Slack HK, Stelling CB. Inflammatory breast cancer: Current imaging perspectives. *Seminars in Breast Disease* 4:122-131, 2001.
18. [Bassett LW](#), [Cardenosa G](#), [D'Orsi CJ](#), [Dempsey PJ](#), [Dershaw DD](#), [Destouet JM](#), [Evans WP, 3rd](#), [Feig SA](#), [Hendrick RE](#), [Jackson VP](#), [Kopans DB](#), [Linver MN](#), [Mendelson EB](#), [Monsees B](#), [Racenstein MJ](#), [Sickles EA](#), [Stelling CB](#), [Warren L](#). Risk of risk-based mammography screening, ages 40 to 49. American College of Radiology Task Force on Breast Cancer. *J Clin Oncol* 17(2):735-8, 2/1999. PMID: 10080624.
19. [Butler RS](#), [Venta LA](#), [Wiley EL](#), [Ellis RL](#), [Dempsey PJ](#), [Rubin E](#). Sonographic evaluation of infiltrating lobular carcinoma. *AJR Am J Roentgenol* 172(2):325-30, 2/1999. PMID: 9930776.
20. [Ellis RL](#), [Dempsey PJ](#), [Rubin E](#), [Pile NS](#), [Bernreuter WK](#). Mammography of breasts in which catheter cuffs have been retained: normal, infected, and postoperative appearances. *AJR Am J Roentgenol* 169(3):713-5, 9/1997. PMID: 9275884.
21. Dempsey PJ. Medical-legal aspects of breast imaging. *Appl Radiol* 25:31-35, 1996.
22. [Rubin E](#), [Dempsey PJ](#), [Pile NS](#), [Bernreuter WK](#), [Urist MM](#), [Shumate CR](#), [Maddox WA](#). Needle-localization biopsy of the breast: impact of a selective core needle biopsy program on yield. *Radiology* 195(3):627-31, 6/1995. PMID: 7753985.
23. Rubin E, Dempsey PJ, Listinsky CM, Crowe RD, Page DL. Adenomyoepithelioma of the Breast: A case report. *Breast Disease* 8:103-109, 1995.
24. [Dempsey PJ](#), [Rubin E](#). Preoperative needle localization in the breast: utility of local anesthesia. *Radiology* 189(2):623-4, 11/1993. PMID: 8210401.
25. [Dempsey PJ](#), [Rubin E](#). The roles of needle biopsy and periodic follow-up in the evaluation and diagnosis of breast lesions. *Semin Roentgenol* 28(3):252-8, 7/1993. PMID: 8211233.
26. Dempsey PJ. Screening mammography: A proven method of reducing breast cancer mortality. *Guthrie J* 59:151-53, 1990.
27. [Dempsey PJ](#). The value of ultrasound examination in diagnosing breast disease. *Curr Opin Radiol* 1(2):188-92, 8/1989. PMID: 2701527.
28. [Schlitt M](#), [Dempsey PJ](#), [Robinson RK](#). Cervical butterfly-block vertebra. A case report. *Clin Imaging* 13(2):167-70, 6/1989. PMID: 2670148.
29. [Lorino CO](#), [Dempsey PJ](#). Breast cancer screening in mobile. *Ala Med* 58(5):23-5, 11/1988. PMID: 3232677.
30. Dempsey PJ. Breast sonography: Historical perspective, clinical application and image interpretation. *Ultrasound Q* 6:69-90, 1988.
31. [Dempsey PJ](#). The importance of resolution in the clinical application of breast sonography. *Ultrasound Med Biol* 14 Suppl 1:43-8, 1988. PMID: 3055600.
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33. Dempsey PJ. The importance of X-ray mammography. *Medicamundi* 31:62-63, 1986.
34. Dempsey PJ. Ultrasound's distinctive role in breast cancer diagnosis. *Diagn Imaging*:59-60, 1985.
35. Dempsey, PJ, Wilson, PC. The use of automated sonography in total clinical breast

- evaluation. Clin Diagn Ultrasound 12:57-81, 1984.
36. [Dempsey PJ, Koch HJ](#). In utero diagnosis of the Dandy-Walker syndrome: differentiation from extra-axial posterior fossa cyst. J Clin Ultrasound 9(7):403-5, 9/1981. PMID: 6792240.
 37. [Feely MP, Dempsey PJ](#). Assessment of the postoperative course of excised brain abscess by computerized tomography. Neurosurgery 5(1 Pt 1):49-52, 7/1979. PMID: 471205.
 38. [Dempsey PJ, Phillips JF, Warren DL, Donovan AJ](#). Cholecystosonography for the diagnosis of cholecystolithiasis. Ann Surg 187(5):465-74, 5/1978. PMID: 206215.
 39. [Haney AF, Crenshaw MC, Jr, Dempsey PJ](#). Significance of biparietal diameter differences between twins. Obstet Gynecol 51(5):609-13, 5/1978. PMID: 652211.
 40. Dempsey, PJ, Robinson, AE. Primary abdominal sonography in the neonate. Med Imag 1:(abst)28, 1978.
 41. [Phillips JF, Goodwin DW, Thomason SB, Dempsey PJ](#). The volume of the uterus in normal and abnormal pregnancy. J Clin Ultrasound 5(2):107-10, 4/1977. PMID: 404325.
 42. [Dempsey PJ, Shoaf MD, Weinerth JL, Paulson DF](#). Experimental basis for intraoperative calculus localization by ultrasound. Invest Urol 14(5):380, 3/1977. PMID: 845002.
 43. [Dempsey PJ](#). Current applications of diagnostic ultrasound in the abdomen. J Med Assoc State Ala 45(8):21-5, 2/1976. PMID: 1031429.
 44. [Dempsey PJ](#). The role of abdominal sonography in pediatric diagnosis. Pediatr Ann 5:103-14, 1/1976. PMID: 177937.
 45. [Morgan CL, Dempsey PJ, Johnsrude I, Johnson ML](#). Ultrasound in the diagnosis of xanthogranulomatous pyelonephritis: a case report. J Clin Ultrasound 3(4):301-5, 12/1975. PMID: 829537.
 46. [Dempsey PJ, Goree JA, Jimenez JP, McCord GM](#). The effect of contrast media on patient motion during cerebral angiography. Radiology 115(1):207-9, 4/1975. PMID: 1090978.
 47. Dempsey PJ, Shoaf MD, Weinerth JL, Paulson DF. Experimental basis for intraoperative localization of renal calculi by ultrasound. Invest. Radiol. 10:458, 1975.
 48. Dempsey PJ. The role of abdominal sonography in obstetrics and gynecology. Continuing Education Series: Southeastern Chapter Society of Nuclear Medicine 13:1-14, 1975.
 49. [Dempsey PJ, Kent KM, McCallum ZT, Cooper T](#). Sensitivity of hyperthyroid cat myocardium to decreased extracellular calcium. Proc Soc Exp Biol Med 141(3):786-9, 12/1972. PMID: 4645759.
 50. [Kent KM, Goodfriend TL, McCallum ZT, Dempsey PJ, Cooper T](#). Inotropic agents in hypoxic cat myocardium: depression and potentiation. Circ Res 30(2):196-204, 2/1972. PMID: 4334415.
 51. [Dempsey PJ, Cooper T](#). Pharmacology of the coronary circulation. Annu Rev Pharmacol 12:99-110, 1972. PMID: 4339021.
 52. [Guth L, Dempsey PJ, Cooper T](#). Maintenance of neurotrophically regulated proteins in denervated skeletal and cardiac muscle. Exp Neurol 32(3):478-88, 9/1971. PMID: 4106590.
 53. [Dempsey PJ, McCallum ZT, Kent KM, Cooper T](#). Dissociation of cardiac inotropic and transmembrane action potential effects of ouabain. J Pharmacol Exp Ther 177(1):78-84,

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54. [Dempsey PJ, McCallum ZT, Kent KM, Cooper T](#). Direct myocardial effects of angiotensin II. *Am J Physiol* 220(2):477-81, 2/1971. PMID: 4322343.
55. Goodfriend T, Allman D, Kent KM, Dempsey PJ, Cooper T. Angiotensin's inotropic and mitochondrial effects. *Clin. Res.* 19:316, 1971.
56. Krishna G, Moskowitz J, Dempsey PJ, Brodie BB. The effect of norepinephrine and insulin on brown fat cell membrane potentials. *Life Sci* 9:1353-61, 12/1970.
57. [Kent KM, Dempsey PJ, Cooper T](#). Cocaine blockade of the acetylcholine positive inotropic response in ventricular myocardium. *Proc Soc Exp Biol Med* 135(2):292-6, 11/1970. PMID: 5479991.
58. [Guth L, Dempsey PJ](#). Mechanisms controlling glycogen levels in injured brain, normal brain, liver, and heart. *Exp Neurol* 29(1):152-61, 10/1970. PMID: 5478360.
59. [Coleman HN, Dempsey PJ, Cooper T](#). Myocardial oxygen consumption following chronic cardiac denervation. *Am J Physiol* 218(2):475-8, 2/1970. PMID: 5412463.
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62. [Dempsey PJ, Cooper T](#). Ventricular cholinergic receptor systems: interaction with adrenergic systems. *J Pharmacol Exp Ther* 167(2):282-90, 6/1969. PMID: 5787867.
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64. [Dempsey PJ, Cooper T](#). Supersensitivity of the chronically denervated feline heart. *Am J Physiol* 215(5):1245-9, 11/1968. PMID: 5687519.
65. [Cooper T, Dempsey PJ](#). Assisted Circulation (II). *Mod Concepts Cardiovasc Dis* 37(6):101-106, 6/1968. PMID: 5731242.
66. [Cooper T, Dempsey PJ](#). Assisted circulation (I). *Mod Concepts Cardiovasc Dis* 37(5):95-100, 5/1968. PMID: 5730967.

Invited Articles

1. Rubin, E, Dempsey, PJ. Invited Editorial. The breast imager and the symptomatic patient. *SBI Newsletter*(March 1994), 1994.