

## CURRICULUM VITAE

**Eric L. Rosen, MD**  
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**December 22, 2006**

### 1. PERSONAL DATA

Place of Birth: [-----]

Date of Birth: [-----]

### 2. EDUCATION

[-----] Cornell University Bachelor of Arts  
Ithaca, NY Distinction in all subjects

[-----] University of California M.D.  
San Francisco, CA NBME Parts I and II

### 3. POSTGRADUATE TRAINING

[-----] California Pacific Medical Center NBME Part III  
San Francisco, CA

[-----] University of California Residency, Diagnostic Radiology  
San Francisco, CA

[-----] University of California Clinical Instructor  
San Francisco, CA

### 4. FACULTY POSITIONS HELD

1998–2005 Duke University Medical Center Assistant Professor  
Department of Radiology  
Durham, NC

2005 – present University of Washington Associate Professor  
Department of Radiology  
Seattle, WA

**5. HOSPITAL POSITIONS HELD**

1997 – 1998 Grand Traverse Radiologists, P.C. Director, Breast Imaging  
Munson Medical Center  
Traverse City, MI

**6. HONORS**

[--] Phi Beta Kappa

[--] Phi Kappa Phi

[--] Fellow, Society of Breast Imaging

**7. BOARD CERTIFICATION**

[--] Diplomate of the American Board of Radiology

**8. CURRENT LICENSES TO PRACTICE**

[-----] Washington State [-----]

[-----] North Carolina [-----]

**9. PROFESSIONAL ORGANIZATIONS**

1991 – 1996 Los Angeles Radiological Society

1991 – 2000 American College of Radiology

1991 – Present American Roentgen Ray Society

1996 – Present Society of Breast Imaging

1997 – 1999 Michigan Radiological Society

1997 – Present Michigan Medical Association

1998 – 2001 NC-ACR

1999 – 2000 Alternate Counselor of the NC-ACR Executive Committee

2002 – Present Fellow, Society of Breast Imaging

**10. TEACHING RESPONSIBILITIES**

Noon Resident Conferences, group film interpretation sessions, Seattle Cancer Care Alliance (2005-present).

Medical Student Clerkship Conferences, “Fundamentals of Screening Mammography,” UW School of Medicine (2005-present).

Radiology Resident Categorical Course in Breast Imaging, March 2, 2006.

**11. EDITORIAL RESPONSIBILITIES**

- 1999 – Present Peer Reviewer, Manuscripts for *Cancer Detection and Prevention*
- 2000 – Present Peer Reviewer, Manuscripts for *Radiology*
- 2000 – Present Peer Reviewer, Manuscripts for *AJR*
- 2000 - Present Peer Reviewer, Manuscripts for *Radiographics*
- 2001 – Present Peer Reviewer, Manuscripts for *Cancer*

**12. SPECIAL NATIONAL RESPONSIBILITIES**

- 2000 – Present NIH Ad Hoc Grant Reviewer

**13. SPECIAL LOCAL RESPONSIBILITIES**

**14. RESEARCH FUNDING** [-----] [-----] 9/30/97 - 7/31/02

[-----] Subcontract  
“Screening High Risk Women with MRI-6884”  
The goal of this project is to estimate the diagnostic yield and positive predictive value of breast MRI for detection of cancer in women that are at greater than 25% lifetime risk for developing breast cancer.

Co-Investigator 10/1/00 - 9/30/02

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“A Computer Decision Aid to Improve Breast Cancer Diagnosis”  
The long-term objective of this project is to improve the accuracy of breast cancer diagnosis.

DAMD17-01-10517 (Rosen) 1/1/02 - 1/31/03

Department of Defense  
“Positron Emission Mammography to Determine Local Extent and Distribution”  
The goal of this study is to determine the ability of this imaging system to improve local staging of breast cancer in women with biopsy proven breast carcinoma.

Co-Investigator 8/1/00 - 7/31/04

Department of Health and Human Services  
Public Health Services, NIH (Dewhirst)  
“Hyperthermia and Perfusion Effects in Cancer Therapy”

Principal Investigator (Rosen) 1/1/02 - 1/31/04  
US Army Medical Research BCRP99-Concept Awards  
“Positron Emission Mammography to Determine Local Extent and Distribution of Breast Cancer in Patients”  
Contemplating Breast Conservation

2P01-CA42745 (Dewhirst) 6/1/87 - 6/30/05  
NCI  
“Hyperthermia and Perfusion Effects in Cancer Therapy (Core 3)”  
The overall goal is to provide unified support for the imaging studies for the program. This includes technical support for the MRI, MR spectroscopy, PET and Nuclear Medicine imaging performed as part of the human and animal studies.

5R21CA109681-02 (Rosen) 8/27/04-8/27/06  
NCI/NIH  
FDG-PEM Detection-Characterization of Breast Cancer  
The goal of this study is to determine the potential of this imaging system to distinguish benign from malignant mammographic abnormalities and to improve local staging of breast cancer among women with biopsy proven breast carcinoma.

[-----] (Rosen) 10/1/06-3/31/08  
Optimizing MR Imaging of Ductal Carcinoma In Situ  
The goal of this project is to improve the detection and characterization of ductal carcinoma in situ using 3T MRI. Results will be compared to 1.5T MRI and surgical pathology.

[-----] 3/1/07-2/28/09  
DCE-MRI and FDG PET with Kinetic Analysis to Monitor Breast Cancer Response to Neoadjuvant Sunitinib and Metronomic Chemotherapy  
Correlative image studies to provide a mechanistic, in vivo assessment of response in patients with locally advanced breast cancer or inflammatory breast cancer undergoing pre-surgical systemic therapy with sunitinib and metronomic chemotherapy.

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*Under Review*  
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**15. BIBLIOGRAPHY**

**a. MANUSCRIPTS PUBLISHED OR IN PRESS**

1. **Rosen EL**, Sickles EA, Keating D. Ability of mammography to reveal nonpalpable breast cancer among women with palpable breast masses. *AJR* 172(2):309-312, February 1999.

2. Hunt K, **Rosen E**, Sickles EA. Outcome analysis for women undergoing annual versus biennial screening mammography: a review of 24,211 examinations. *AJR* 173(2): 285-289, August 1999.
3. **Rosen EL**, Soo MSC. Focal fibrosis: a common diagnosis following imaging-guided breast biopsy. *AJR* 173(6):1657-1662, 1999.
4. **Rosen EL**. Role of 2-[<sup>18</sup>F]-fluorodeoxyglucose (FDG) positron emission tomography (PET) in the early assessment of response to chemotherapy in metastatic breast cancer patients. *Clin Breast Cancer* 1(2):162-163, 2000.
5. Pisano ED, Cole EB, **Rosen EL**, Soo MSC, Walsh R, Williford ME, etc. Radiologist preferences for digital mammography display. The International Digital Mammography Development Group. *Radiology* 216:820-830, 2000.
6. **Rosen, EL**; Sickles, E. 2000. Do women with palpable masses need bilateral mammography if they have already had a mammogram in the last 12 months or are under 40? Reply. *AJR* 174 (5):1461-1462, 2000.
7. Baker JA, Soo MS, **Rosen EL**. Artifacts and pitfalls in sonographic imaging of breast. *AJR* 176(5):1261-1266, 2001.
8. **Rosen EL**, Vo TT. Metallic clip deployment during stereotactic breast biopsy: retrospective analysis. *Radiology* 218(2):510-516, 2001.
9. Soo MSC, **Rosen EL**, Vo TT. Negative predictive value of sonography with mammography in patients with palpable breast lesions. *AJR* 177(5):1167-1170, 2001.
10. **Rosen EL**, Soo MSC. Tissue harmonic imaging sonography of breast lesions: improved margin analysis, conspicuity and image quality compared to standard ultrasound. *Clin Imag* 25(6):379-384, 2001.
11. Soo MSC, **Rosen EL**, Baker JA, Vo TT. Sonography-guided biopsy of suspicious microcalcifications of the breast: a pilot study. *AJR* 178(4):1007-1015, 2002.
12. **Rosen EL**, Baker JA, Soo MSC. Malignant lesions initially subjected to short-term mammographic follow-up. *Radiology* 223(1):221-228, 2002.
13. **Rosen EL**, Bentley RC, Baker JA, Soo MS. Imaging-guided core needle biopsy of papillary lesions of the breast. *AJR* 179(5):1185-1192, 2002.
14. **Rosen, EL**. Malignancy in BI-RADS category 3 mammographic lesions - Response. *Radiology* 225(3):919-920, 2002.
15. Soo MS, **Rosen EL**, Baker JA. Negative predictive value of breast imaging in patients with palpable lesions - Reply. *AJR* 179(4):1073-1074, 2002.

16. Cole EG, Pisano ED, Kistner EO, Mueller KE, Johnston RE, Yaffe MJ, Brown ML, Conant EF, Fajardo LL, Feig SA, Jong RA, Kopans DB, Maidment ADA, Shumak R, Staiger MJ, Williams MB, Kuzmiak CM, Freimanis RI, Lesko N, **Rosen EL**, Sanders E, Soo MSC, Vo T, Walsh R, Williford M, Braeuning MP. Diagnostic accuracy of digital mammography in patients with dense breasts who underwent problem-solving mammography: Effects of image processing and lesion type. *Radiology* 226(1):153-160, 2003.
17. Vujaskovic Z, **Rosen E**, Blackwell K, Jones E, Prosnitz L, Samulski T, Dewhirts M. Ultrasound guided pO<sub>2</sub> measurement in breast cancer reoxygenation after neoadjuvant chemotherapy and hyperthermia treatment. *Int J Hyperthermia* 19(5): 498-506, 2003.
18. Baker JA, **Rosen EL**, Lo JY, Gimenez EI, Walsh R, Soo MSC. Computer-aided diagnostics (CAD) in screening mammography: sensitivity of commercial CAD systems for detecting architectural distortion. *AJR* 181(4):1083-1088, 2003.
19. **Rosen EL**, Baker JA, Soo MSC. Accuracy of collagen-plug biopsy site marking Device deployed after stereotactic core needle breast biopsy. *AJR* 181:1295-1299, 2003.
20. **Rosen EL**, Blackwell KL, Baker JA, Soo MS, Bentley RC, Yu D, Samulski TV, Dewhirst MW. Accuracy of MRI in the detection of residual breast cancer after neoadjuvant chemotherapy. *AJR* 181:1275-1282, 2003.
21. Soo MSC, Baker JA, **Rosen EL**. Sonographic detection and sonographically guided biopsy of breast microcalcifications. *AJR* 180(4):941-948, 2003.
22. Ellis MJ, **Rosen EL**, Dressman H, Marks J. Neoadjuvant comparisons of aromatase inhibitors and tamoxifen: pretreatment determinants of response and on-treatment effect. *J Steroid Biochem Molecular Biology* 86(3-5):301-307, 2003.
23. Lehman CD, Blume JD, Weatherall P, Thickett D, Hylton N, Warner E, Pisano E, DeAngelis GA, Stomper P, **Rosen E**, O'loughlin M, Harms S, Bluemke DA, Schnitt SJ, Gatsonis C, Schnall M. The Added Cancer Yield of MRI in Screening Women at High Risk for Breast Cancer: Results of the International Breast Magnetic Resonance Consortium (IBMC) Trial. Radiology Society of North America, November 2004.
24. Soo MSC, Kliewer MA, Ghatge S, Helsper RS, **Rosen EL**. Stereotactic breast biopsy Of non-calcified lesions: a cost-effectiveness analysis comparing 14-gauge multipass automated core biopsy to 14- and 11-gauge vacuum-assisted biopsy. *Clin Imag* 2005 Jan-Feb;29(1):26-33
25. Ghatge SV, Soo MSC, Baker JA, Walsh R, Gimenez EI, **Rosen EL**. Comparison of recall and cancer detection rates for immediate versus batch interpretation of screening mammograms. *Radiology*. 2005 Apr;235(1):31-5.

26. **Rosen EL**, Turkington TG, Soo MS, Baker JA, Coleman RE. Detection of primary breast carcinoma with a dedicated, large-field-of-view FDG PET mammography device: initial experience. *Radiology*. 2005 Feb;234(2):527-34.
27. Soo MSC, **Rosen EL**, Xia JQ, Ghate SV, Baker JA. Computer-aided detection of amorphous calcifications. *AJR Am J Roentgenol*. 2005 Mar;184(3):887-92.
28. 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 Apr;184(4):1260-5.
29. Baker JA, **Rosen EL**, Crockett MM, Lo JY. Accuracy of segmentation of a commercial computer-aided detection system for mammography. *Radiology*. 2005 May;235(2):385-90.
30. Lehman CD, Blume JD, Weatherall P, Thickman D, Hylton N, Warner E, Pisano E, Schnitt SJ, Gatsonis C, Schnall M, DeAngelis GA, Stomper P, **Rosen EL**, O'Loughlin M, Harms S, Bluemke DA; International Breast MRI Consortium Working Group. Screening women at high risk for breast cancer with mammography and magnetic resonance imaging. *Cancer*. 2005 May 1;103(9):1898-905.
31. Craciunescu O, Blackwell K, Wong T, **Rosen E**, Raidy T, Jones E, Vujaskovic Z, Liotcheva V, Covington W, Arabe O, Samulski T, Dewhirst M. Non-invasive breast thermography has potential to evaluate treatment response in breast cancer patients. *Medical Physics* 2005 June;32(6):1898.
32. Soo MS, Baker JA, **Rosen E**. Computer-aided detection (CAD) of amorphous calcifications – reply. *AJR Am J Roentgenol*. 2006 March;186(3):902-903.
33. Dressman HK, Hans C, Bild A, Olson JA, **Rosen E**, Marcom PK, Liotcheva VB, Jones EL, Vujaskovic Z, Marks J, Dewhirst MW, West M, Nevins JR, Blackwell K. Gene Expression Profiles of Multiple Breast Cancer Phenotypes and Response to Neoadjuvant Chemotherapy. *Clin Cancer Res*. 2006;Feb 12(3 Pt 1):819-26.
34. Anderson BO, Calhoun KE, **Rosen EL**. Evolving concepts in the management of lobular neoplasia. *J Natl Compr Canc Netw*. 2006 May;4(5):511-22.
35. Soo MS, Ghate SV, Baker JA, **Rosen EL**, Walsh R, Warwick BN, Ramachandran AR, Nightingale KR. Streaming detection for evaluation of indeterminate sonographic breast masses: a pilot study. *AJR Am J Roentgenol*. 2006 May;186(5):1335-41.
36. Ghate SV, **Rosen EL**, Soo MS, Baker JA. MRI-guided vacuum-assisted breast biopsy with a handheld portable biopsy system. *AJR Am J Roentgenol*. 2006 Jun;186(6):1733-6.

37. [-----  
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**b. BOOK CHAPTERS**

1. Tirman P, Rosen EL, Crues J and Steinbach L. "MRI of the Foot and Ankle." In, *Pediatric Sports Medicine: Diagnosis, Treatment and Prevention*. Editor, Richard L. Blake. Mosby Yearbook, St. Louis, MO. September 1997.
2. Rosen EL and Sickles EA. "Screening Mammography." In, *Breast Care: A Clinical Guidebook for Women's Primary Health Care Providers*. Editor, William H. Hindle. Springer-Verlag, New York, NY. 1999.

**c. PUBLISHED BOOKS, VIDEOS, SOFTWARE**

N/A

**d. OTHER PUBLICATIONS (letters to the editor, non-refereed journals)**

N/A

**e. MANUSCRIPTS IN SUBMISSION**

1. [-----  
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2. [-----  
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**f. ABSTRACTS**

1. **Rosen EL**, Keating DM, Sickles EA. Ability of mammography to identify nonpalpable breast cancer among women with palpable breast masses. Presented at the 97th Annual American Roentgen Ray Society (ARRS) Meeting, May 1997.
2. Hunt K, **Rosen EL**, Sickles EA. Outcomes analysis for women undergoing annual versus biennial screening mammography: a review of 24,211 examinations. Presented at the 98th American Roentgen Ray Society (ARRS) Meeting. New Orleans, LA. May 1998.
3. **Rosen EL**, Soo MSC. Focal fibrosis: a common diagnosis following imaging-guided breast biopsy. Presented at the 99th American Roentgen Ray Society (ARRS) Meeting. New Orleans, LA. May 9–14, 1999.
4. **Rosen EL**, Soo MSC. Tissue harmonic imaging sonography of breast lesions: improved margin analysis, conspicuity and image quality compared to standard ultrasound. Presented at the Society of Breast Imaging. 1999 Annual Meeting. Boston, MA. May 26–29, 1999.



5. **Rosen EL**, Soo MSC. The ability of mammography and sonography to identify breast cancer among women under forty with palpable breast masses. Presented at the 85<sup>th</sup> Annual Meeting of the Radiological Society of North America. 1999 Annual Meeting. Chicago, IL. November 28–December 3, 1999. (*Radiology* 213P:200, 1999)
6. **Rosen EL**, Soo MSC. Tissue harmonic imaging sonography of breast lesions: improved margin analysis, conspicuity and image quality compared to standard ultrasound. Presented at the 85<sup>th</sup> Annual Meeting of the Radiological Society of North America. 1999 Annual Meeting. Chicago, IL. November 28–December 3, 1999. (*Radiology* 213P:198-199, 1999)
7. **Rosen EL**, Soo MSC. Metallic clips deployed during stereotactic breast biopsy: a retrospective analysis. Presented at the 85<sup>th</sup> Annual Meeting of the Radiological Society of North America. 1999 Annual Meeting. Chicago, IL. November 28–December 3, 1999. (*Radiology* 213P:108, 1999)
8. Soo MSC, **Rosen EL**, Vo TT. Ultrasound of calcifications. Presented at the 100<sup>th</sup> Annual American Roentgen Ray Society (ARRS) Meeting, 1999.
9. Soo MSC, **Rosen EL**. The negative predictive value of sonography and mammography in evaluating palpable breast lesions. Presented at the 85<sup>th</sup> Annual Meeting of the Radiological Society of North America. 1999 Annual Meeting. Chicago, IL. November 28–December 3, 1999. (*Radiology* 213P:199, 1999)
10. Soo MSC, Kliewer MA, **Rosen EL**, Ghatge S. Percutaneous breast biopsy: a cost-effectiveness analysis comparing automated large-core biopsy with mammotome biopsy. Presented at the 85<sup>th</sup> Annual Meeting of the Radiological Society of North America. 1999 Annual Meeting. Chicago, IL. November 28 - December 3, 1999. (*Radiology* 213P:106, 1999)
11. Soo MSC, **Rosen EL**, Baker JA, Vo TT. Calcified breast lesions biopsied under sonographic guidance: findings at mammography and sonography. Presented at the American Roentgen Ray Society. 2000 Annual Meeting. Washington, DC. May 7–12, 2000.
12. Soo MSC, Vo T, **Rosen EL**. Breast lesions containing microcalcifications biopsied under sonographic guidance: findings at mammography and sonography. Presented at the American Roentgen Ray Society Meeting. 2000 American Roentgen Ray Society. Washington, DC. May 7–12, 2000.
13. **Rosen EL**, Baker JA, Soo MS. Malignant lesions initially subjected to short-term mammographic follow-up. Presented at the 86<sup>th</sup> Annual Meeting of the Radiological Society of North America. 2000 Annual Meeting. Chicago, IL. November 26 - December 1, 2000. (*Radiology* 217:316-317, Suppl. S, 2000)
14. Soo MSC, Vo T, **Rosen EL**. Breast lesions containing microcalcifications biopsied under sonographic guidance: findings at mammography and sonography. Presented at the American Roentgen Ray Society Meeting. Washington, DC. May 7–12, 2000.

15. Soo MSC, Baker JA, **Rosen EL**. Mammographic features of suspicious microcalcifications detectable at sonography. Presented at the American Roentgen Ray Society Annual Meeting, 2001.
16. **Rosen EL**, Blackwell KL, Baker JA, Soo MS, Bentley RC, Yu D, Samulski TV, Dewhirst MW. Accuracy of MRI in the detection of residual breast cancer after neoadjuvant chemotherapy. Presented at the American Roentgen Ray Society (ARRS) Meeting. San Diego, CA. May 4–9, 2003.
17. Tebbit CL, Ellis M, Marks JR, Bentley RC, Mann G, Soo MS, **Rosen E**, Baker J, Leight G, Olson JA. Development of a novel tissue acquisition protocol for biomarker studies in early stage breast cancer. *Breast Cancer Research and Treatment*. 2003 Suppl. 1; 82: S143-S144.
18. **Rosen EL**, Baker JA, Soo MSC. Breast MR imaging in patients with locally advanced breast cancer treated with adjuvant chemotherapy. Presented at the American Roentgen Ray Society (ARRS) Annual Meeting. San Diego, CA. May 4-9, 2003.
19. **Rosen EL**. Positron emission mammography evaluation of highly suspicious breast lesions. Presented at the 2003 Radiological Society of North America Annual Meeting. Chicago, IL. November 29-December 5, 2003
20. **Rosen EL**. FDG-PET detection of primary breast carcinoma with a dedicated large field of view positron emission mammography device: initial clinical results. Presented at the 2004 American Roentgen Ray Society Annual Meeting. Miami Beach, FL. May 2 – 7, 2004.
21. Tebbit CL, Pittman J, Ellis MJ, Bentley R, Dressman H, Mann G, **Rosen EL**, Leight GS, West M, Nevins J, Marks JR, Olson JA. Application of clinico-genomic models that predict breast cancer outcomes in a prospective study. Presented at the American Society of Clinical Oncology Meeting, 2004.
22. Craciunescu OI, Blackwell KL, Jones EL, Vajaskovic Z, **Rosen EL**, Wong TZ, MacFall JR, Liotcheva V, Lora-Michels M, Prosnitz LR, Samulski TV, Dewhirst MV. Contrast-enhanced magnetic resonance imaging (CE-MRI) parameters have prognostic factor potential in estimating response of locally advanced breast cancer (LABC) patients after chemotherapy (CT) and hyperthermia (HT). Presented at the American Society of Clinical Oncology Meeting, 2004.
23. Tebbit CL, Marks JR, Ellis MJ, **Rosen EL**, Leight GS, Mann G, Dressman H, Bentley R, Nevins J, Olson JA, Jr. Gene expression profiling can predict the extensive intraductal component phenotype in breast cancer. Presented at the American Society of Clinical Oncology Meeting, 2004.
24. Tebbit CL, Pittman J, Ellis MJ, Bentley R, Dressman H, Mann G, **Rosen EL**, Leight GS, West M, Nevins J, Marks JR, Olson JA. Prospective application of

- clinicogenomic modeling for prediction of clinically significant outcomes in breast cancer. Presented at the American Society of Clinical Oncology Meeting, 2004.
25. Blackwell KI, Dressman H, Olson J, **Rosen EL**, Marcom PK, Liotcheva V, Jones E, Vujaskovic Z, Marks J, Dewhirst MW, West M, Nevins J. Molecular signatures that predict response to neoadjuvant chemotherapy in a prospective trial. Presented at the American Society of Clinical Oncology Meeting, 2004.
  26. Sidhu H, Beydoun NM, **Rosen EL**, Edens MS, Burke M. Breast cancer initially classified as probably benign: a multi-institutional study. Presented at the American Roentgen Ray Society Meeting , 2004.
  27. Lehman CD, Blume JD, Weatherall P, Thickman D, Hylton N, Warner E, Pisano E, DeAngelis GA, Stomper P, **Rosen E**, O'loughlin M, Harms S, Bluemke DA, Schnitt SJ, Gatsonis C, Schnall M. The Added Cancer Yield of MRI in Screening Women at High Risk for Breast Cancer: Results of the International Breast Magnetic Resonance Consortium (IBMC) Trial. Presented at the Radiology Society of North America Meeting, November 2004.
  28. Craciunescu, O.I., Blackwell, KL, Jones, E.L., Vujaskovic, Z., **Rosen, E.L.**, Wang, T.Z., MacFall, J.R., Liotcheva, V., Daohai, Y., Lora-Michels, M., Prosnitz, L.R., Samulski, T.V., Dewhirst, M.W., " Contrast-Enhanced magnetic resonance imaging (CE-MRI) parameters have predictive value in estimating response of locally advanced breast cancer (LABC) patients to neoadjuvant (NA) chemotherapy (CT) and hyperthermia (HT)", Presented at the 27<sup>th</sup> Annual San Antonio Breast Cancer Symposium, Dec. 8-11, 2004.
  29. Craciunescu OI, Blackwell KL, Jones EL, Vujaskovic Z, **Rosen EL**, Wong TZ, MacFall JR, Liotcheva V, Yu D, Lora-Michels M, Prosnitz LL, Samulski TV, Dewhirst MW. Contrast-enhanced magnetic resonance imaging (CE-MRI) parameters have predictive value in estimating response of locally advanced breast cancer (LABC) patients to neoadjuvant (NA) chemotherapy (CT) and hyperthermia (HT) *Breast Cancer Research and Treatment* 2004 Suppl. 1:88: S18-S19.
  30. Blackwell KL, Dressman H, Olson J, **Rosen E**, Marcom PK, Liotcheva V, Jones E, Vujaskovic Z, Huper G, Marks J, Dewhirst M, West M, Nevins J. Molecular signatures that predict response to anthracycline-taxane based neoadjuvant chemotherapy. *Breast Cancer Research and Treatment* 2004 Suppl. 1: 88: S22.
  31. Vujaskovic Z, Jones E, **Rosen E**, Rabbani Z, Kim S, Liotcheva V, Dewhirst M, Samulski T, Prosnitz L, Blackwell K. High degree of correlation between in vivo tumor oxygenation measurements and carbonic anhydrase IX tissue staining in operable human breast cancer. *Journal of Clinical Oncology* 2004 Jul Suppl. S; 22 (14): 46S.
  32. Ghate SV, **Rosen EL**. MRI-guided breast biopsies using a novel hand-held portable breast biopsy system. *American Journal of Roentgenology* Suppl. S. 2005;184(4): 58.

33. Eby P, Lauro B, DeMartini WB, Peacock S, **Rosen E**, Lehman CD. Outcomes of BI-RADS 3 MR Lesions. Presented at the American Roentgen Ray Society (ARRS) Annual Meeting, May 2006.
34. Smith-Foley S, Lehman CD, DeMartini WB, Eby P, Peacock S, **Rosen E**. MRI BI-RADS Morphology and Enhancement Patterns of Ductal Carcinoma In Situ. Presented at the American Roentgen Ray Society (ARRS) Annual Meeting, May 2006.
35. Partridge SC, Lorenzo JM, Peacock S, Thursten BM, McCloskey JS, DeMartini WB, Eby PR, **Rosen EL**, Lehman CD. Diffusion Tensor Imaging of the Breast: Preliminary Clinical Findings. Presented at the International Society for Magnetic Resonance in Medicine (ISMRM) Scientific Meeting, May 2006.
36. **Rosen E**, Baker J, Soo MS. Positron Emission Mammography (PEM) Evaluation of Nonpalpable Imaging Detected Breast Lesions. Presented at the Radiological Society of North America (RSNA) Annual Meeting, December 2006.
37. Gutierrez R, Lehman CD, DeMartini WB, Eby P, Peacock S, **Rosen E**. Patient and Lesion Characteristics Predict Likelihood of Malignancy in Breast MRI Presented at the Radiological Society of North America (RSNA) Annual Meeting, December 2006.

## 16. PRESENTATIONS

1. MRI Challenging Cases: Society of Breast Imaging 7<sup>th</sup> Annual Postgraduate Course, Vancouver BC, May 26, 2005.
2. Management of High-risk Lesions. Western Washington Mammography Society, Seattle, WA, October 22, 2005.
3. Hot topics in breast imaging. Challenges and Controversies in Breast Cancer, UWMC CME Course, Seattle WA, October 20, 2005.
4. 3D Ultrasound Imaging of the Breast: GE Healthcare Chicago IL, November 2005.
5. Rosen E. MRI-Guided Vacuum-Assisted Breast Biopsy. National Diagnostic Imaging Symposium Continuing Medical Education Seminar (Mike Blackwelder, MD), Orlando, Florida, December 4-8, 2005.
6. Advanced Breast MR Techniques. National Diagnostic Imaging Symposium Continuing Medical Education Seminar (Mike Blackwelder, MD), Orlando, Florida, December 5, 2005.
7. MRI / PET imaging in Breast Cancer. American School of Oncology (ASO), CME division of NMCR "Great Debates in Breast Cancer" Lake Tahoe CA, December 2005.

8. PET Imaging and Breast Cancer. Breast Categorical Course. American Roentgen Ray Society Annual Meeting, Vancouver BC, May 1, 2006.