

Curriculum Vitae

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Breast Imaging Division

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| | Page |
|---|------|
| Education and Training | 2 |
| Certification and Licensure | 2 |
| Academic, Administrative, and Clinical Appointments | 3 |
| Research Interests | 4 |
| Grants | 4 |
| Honors and Awards | 7 |
| Editorial Positions, Boards, and Peer-Review Service | 10 |
| Teaching | 11 |
| Committee, Organizational, and Volunteer Service | 27 |
| Consulting Positions | 32 |
| Visiting Professorships, Seminars, and Extramural Invited Presentations | 33 |
| Scientific Presentations at National Meetings | 33 |
| Extramural Invited/Guest Faculty Presentations | 49 |
| Visiting Professorship and Consulting Activities | 55 |
| Bibliography | 57 |
| Peer-Reviewed Journals and Publications | 57 |
| Non Peer-Reviewed Publications | 66 |
| Book Chapters | 69 |
| Scientific or Educational Exhibits (Posters or Computer) | 70 |

Education and Training

08/65 – 05/69 Brigham Young University
Provo, Utah
B.S. Magna cum Laude, Microbiology

06/79 – 05/80 Post Baccalaureate Pre-Medical Studies
University of Utah
Salt Lake City, Utah

08/80 – 05/84 University of Utah School of Medicine
Salt Lake City, Utah
M.D.

Postgraduate Training

06/84 – 06/85 Intern, Internal Medicine
University of Utah Medical Center
Salt Lake City, Utah

07/85 – 06/86 Resident, Radiology
University of California
Irvine Medical Center
Irvine California

07/86 – 06/90 Resident, Radiology
Duke University Medical Center
Durham, North Carolina

07/90 – 06/91 Abdominal Imaging Fellow, Radiology
Duke University Medical Center
Durham, North Carolina

Certification and Licensure

1985 National Board Diplomate

1985 – 10/19/1999 Utah #85-173390-1205

1988 – 1992 North Carolina #32425

1990 American Board of Radiology

10/20/1999 – present Utah Physician & Surgeon #173390-1205, expires: 01/31/2018

10/20/1999 – present Utah Physican/Surgeon CS Schedule 2-5 #173390-8905, expires:
01/31/2018

1992 – present Michigan Physican & Controlled Substance Licenses #4301060382,
expires: 01/31/2020

Academic, Administrative, and Clinical Appointments

Employment History

| | |
|--------------|---|
| 06/68 – 1971 | Registered Medical Technologist; MT (ASCP) Clinical Chemistry University of Utah Hospital Salt Lake City, Utah |
| 1971 – 1973 | Registered Medical Technologist; MT (ASCP) Bingham Memorial Hospital Blackfoot, Idaho |
| 1973 – 1975 | Housewife |
| 1975 – 1976 | Registered Medical Technologist; MT (ASCP) Bay Ridge Medical Clinic Brooklyn, New York |
| 1976 – 1978 | Registered Medical Technologist; MT (ASCP) Good Samaritan Hospital Cincinnati, Ohio |

Academic Appointments

| | |
|-----------------|--|
| 07/91 – 08/92 | Assistant Professor of Radiology Duke University School of Medicine Durham, North Carolina |
| 09/92 – 09/98 | Assistant Professor of Radiology University of Michigan Health System Ann Arbor, Michigan |
| 09/98 – 09/05 | Associate Professor of Radiology University of Michigan Health System Ann Arbor, Michigan |
| 09/05 – present | Professor of Radiology Michigan Medicine – University of Michigan Ann Arbor, Michigan |

Clinical Appointments

| | |
|---------------|--|
| 07/90 – 08/92 | Staff Physician Veteran's Affairs Medical Center (VAMC) Durham, North Carolina |
| 08/92 – 07/01 | Staff Physician Veteran's Affairs Medical Center (VAMC) Ann Arbor, Michigan |

03/07 – 10/12

Staff Physician
Veteran's Affairs Medical Center (VAMC)
Ann Arbor, Michigan

Research Interests

- Breast Imaging
- Abdominal Imaging, including Computed Body Tomography
- Diagnostic Ultrasound, Magnetic Resonance Imaging, and GI Radiology

Grants

Present and Active

1. National Institutes of Health (NIH) R01 CA151443. "Improvement of Microcalcification Detection in Digital Breast Tomosynthesis." 08/01/2016 – 07/31/2017. PI: Heang-Ping Chan, Co-Investigator: Roubidoux (4%). No cost time extension.
2. National Institutes of Health (NIH) U01 CA195599-01. "Quantitative Parenchyma Descriptor as an Imaging Biomarker of Breast Cancer Risk." 08/01/2015 – 07/31/2020. \$412,385. PI: Jun Wei, Co-Investigator, Clinical Director: Roubidoux (4.4%)

Recent

1. National Institutes of Health (NIH) Stipend Grant Administered by Office of Student Biomedical Research, University of Michigan Medical School. "Mammographic Calcifications and Ductal Carcinoma In Situ." 06/01/1995 – 08/31/1995. \$2,000. Co-PI: Roubidoux, Co-PI: Amy Rochester, MS II
2. University of Michigan Medical School, Office of Student Biomedical Research. "Breast Cancer Risk Factors in Women Under 50 Years of Age." 06/01/1996 – 08/31/1996. \$2,000. PI: Roubidoux, Co-PI: Edward Pollack, MS II
3. Office of Vice President for Research: Presentation to Rapid City (Iowa) Indian Health Board. 09/1996. \$750.
4. Michigan Women's Health Initiative Research Grant. "Mammographic Density and Risk Factors in Sioux Women." 04/01/1996 – 03/31/1997. \$3,600. PI: Roubidoux
5. U.S. Army Medical Research and Development Command. "Rapid 4D MRI of Gad-DTPA Enhancement for Breast Lesion Characterization." 07/01/1994 - 06/30/1998. \$610,092. PI: Thomas L. Chenevert, PhD
6. U.S. Army Medical Research and Development Command. "3-D Ultrasound Vascularity Assessment for BRCA Diagnosis." 04/1996 – 03/1999. \$799,700. PI: Paul Carson, PhD, Co-Investigator: Roubidoux (5%)

7. National Institutes of Health (NIH) and Artann Corporation. "Mechanical Imaging of the Breast." 06/01/1999 – 06/30/2000. \$200,000. PI: Mark A. Helvie, M.D., Co-Investigator: Roubidoux (11%)
8. National Institutes of Health (NIH) R01 CA48129. "Development of computer-based techniques in mammography." 05/01/1996 – 02/18/2001. \$270,360. PI: H.P. Chan, Co-Investigator: Roubidoux (5%)
9. National Institutes of Health (NIH) R01CA55076-01A1. "Enhanced Color Flow Imaging of Breast Cancer." 04/01/1996 – 03/31/2001. \$194,245. PI: Paul Carson, Ph.D., Co-Investigator: Roubidoux (5%)
10. National Institutes of Health (NIH) Minority Supplement Grant R01CA55076. "The Contralateral Breast in Enhanced Color Flow Imaging." 04/1997 – 04/2001. \$55,967. PI: Marilyn A. Roubidoux (52.5%)
11. U.S. Army Medical Research and Material Command DAMD17-98-1-8210. "Development of digital stereoscopic imaging technique in mammography." 04/20/1998 – 04/19/2001. \$63,128. PI: H.P. Chan, Co-Investigator: Roubidoux (3%)
12. Native WEB. "Women Enjoying the Benefit," Breast and Cervical Cancer Screening Training Program for Nurses in Native American Populations Avon Foundation Grant, NABCO Grant. PI: Mary Alice Trapp, R.N. Consultant: Roubidoux (0%, no salary support)
13. National Institutes of Health (NIH) U01 CA86098. "The American Indian and Alaska Native Leadership Initiative on Cancer." 04/30/2000 – 04/30/2004. \$6,100,000 PI: Judith S. Kaur, M.D. Consultant: Roubidoux (0%, no salary support). This grant primarily funds community based cancer projects (\$10,000-20,000), scholarships, and mentoring for AI/AN researchers and students in cancer activities.
14. University of Michigan Dean's Office, Writing Assistant Grant. 06/2003 – 06/2004. \$10,000. PI: Marilyn A. Roubidoux (no salary support).
15. Center for Research on Learning and Teaching (CRLT). "Interactive Computer Teaching Module for Radiologic-Pathologic Correlations in Breast Imaging." 01/01/2004 – 07/01/2004. \$5,949.27. PI: Chintana Paramagul, Co-Investigator: Roubidoux (0%, no salary support)
16. Native American Cancer Research Org. "Interactive Computer Game for Teaching Breast Screening to Patients." 10/2003 – 10/2004. \$5000. PI: Marilyn A. Roubidoux.
17. U.S. Army Medical Research and Development Command, BAA. "Breast Cancer Research Ultrasonically-Induced Vaporization of Perfluorocarbon Droplets for Occlusion Therapy of Breast Cancer." PI: J.B. Fowlkes, PhD. Consultant: Roubidoux (0%, no salary support)
18. University of Michigan Medical School, Department of Medical Education. "The role of women's mammography experience in repeat mammography behavior." PI: Tricia S. Tang, Co-Investigator: Roubidoux (0%, no salary support)
19. U.S. Army Medical Research and Material Command. "Digital Mammography: Development of an Advanced Computer-Aided Diagnosis System for Breast Cancer Detection." 03/01/2002 – 02/28/2006. \$311,154. PI: HP Chan, Co-Investigator: Roubidoux (5%)

20. U.S. Army Medical Research and Material Command. “Automated Method for analysis of mammographic breast density - A technique for breast cancer risk estimation” 07/01/2001 – 06/30/2006. \$299,231. PI: H.P.Chan, Co-Investigator: Roubidoux (5%)
21. National Institutes of Health (NIH/NCI) 1P01 CA87634-01A1. “Automatic 3D Registration for Enhanced Cancer Management.” 07/01/2001 – 06/30/2006. \$1,430,434. PI: CR Meyer, Co-Investigator: Roubidoux (10%)
22. U.S. Army Medical Research and Material Command. “Computer-aided characterization of breast masses on volumetric ultrasound images: An adjunct to mammography.” 09/2001 – 09/2006. \$400,000. PI: Berkman Sahiner, Co-Investigator: Roubidoux (4%)
23. National Institutes of Health (NIH/NCI) BRP Proposal. “Combined digital x-ray and ultrasound breast imaging.” 01/01/2002 – 12/31/2006. \$5,261,134. PI: Paul Carson, Co-Investigator: Roubidoux (8%)
24. U.S. Army Medical Research & Material Command (USAMRMC) DAMD17-02-1-0489. “Computer-Aided Interval Change Analysis of Microcalcifications on Mammograms for Breast Cancer Detection.” 07/01/2002 – 06/30/2007. PI: Hadjiiski, Lubomir, Co-Investigator: Roubidoux (2.5%)
25. National Institutes of Health (NIH) 1 R21 CA120234-01. “Digital Tomosynthesis Mammography: Computer-Aided Analysis of Masses.” 09/01/2006 – 08/31/2007. \$215,772. PI: Heang-Ping Chan, Co-Investigator: Roubidoux (15%)
26. U.S. Army Medical Research and Material Command (USAMRMC) DAMD 17-02-1-0214. “Digital Mammography: Development of a Computer-Aided Diagnosis System for Breast Cancer Detection.” 05/01/2002 – 04/30/2008. PI: Heang-Ping Chan, Co-Investigator: Roubidoux
27. National Institutes of Health (NIH) P01 CA087634. “Automatic 3D Registration for Enhanced Cancer Management.” 07/01/2002 – 06/30/2008. PI: Charles R. Meyer, Co-Investigator: Roubidoux
28. National Institutes of Health (NIH) R01 CA095153. “Digital Mammography: Advanced Computer-Aided Breast Cancer Diagnosis System.” 07/01/2003 – 04/30/2009. \$315,080. PI: Heang-Ping Chan, Co-Investigator: Roubidoux (5%)
29. U.S. Army Medical Research & Material Command (USAMRMC) W81XWH-04-2-0475. “Development of a Computer-Aided Diagnosis System for Early Detection of Masses Using Retrospectively Detected Cancers on Prior Mammograms.” 06/01/2004 – 05/31/2009. \$99,000. PI: Jun Wei, Co-Investigator: Roubidoux (5%)
30. U.S. Army Medical Research & Material Command (USAMRMC) W81XWH-07-1-0324. “Quantitative Digital Tomosynthesis Mammography for Improved Breast Cancer Detection and Diagnosis.” 04/01/2007 – 04/30/2010. PI: Yiheng Zhang, Co-Investigator: Roubidoux
31. General Electric GE-190-004. “Blinded Image Evaluation – Breast Imaging Reader Study.” 10/01/2009 – 05/31/2010. PI: Mark Helvie, Co-Investigator: Roubidoux

32. National Institutes of Health (NIH) R33 CA118305. “Multimodality CAD System with Image References for Breast Mass Characterization.” 09/25/2006 – 07/31/2011. \$923,785. PI: Hadjiyski, Co-Investigator: Roubidoux (1%)
33. Native American Research Center for Health, Great Lakes InterTribal Council. “Breast Cancer Risk and Screening Patterns in Bemidji Area Native Women.” 09/2006 – 08/2011. \$198,792. PI: Petersen, Wesley, Consultant: Roubidoux (10%)
34. National Institutes of Health (NIH) R21/R33 CA120234. “Digital Tomosynthesis Mammography: Computer-Aided Analysis of Masses.” 09/01/2006- 08/31/2011. PI: Chan, Heang-Ping, Co-Investigator: Roubidoux (2%)
35. National Institutes of Health (NIH) DRDA 05-4733. “2D Silicon Transducer Compression Plates for Breast US.” 09/04/2007 – 05/25/2012. \$105,000. PI: Paul L. Carson, Co-Investigator: Roubidoux (0%)
36. National Institutes of Health (NIH) BRP R01 CA091713-06A1. “Combined Digital X-Ray, Optical and Ultrasound Breast Imaging.” 08/25/2008 – 05/31/2013. \$4,137,161. PI: Paul Carson, Co-PI: Roubidoux (9%)
37. National Institutes of Health (NIH) BRP R01 CA091713-06A1. “Combined Digital X-Ray, Optical and Ultrasound Breast Imaging.” 06/01/2013 – 05/31/2014. \$4,137,161. PI: Paul Carson, Co-PI: Roubidoux (5%)
38. National Institutes of Health (NIH) R01 CA151443. “Improvement of Microcalcification Detection in Digital Breast Tomosynthesis.” 09/02/2011 – 07/31/2016. \$507,712. PI: Heang-Ping Chan, Co-Investigator: Roubidoux (4%)

Honors and Awards

- | | |
|-------------|---|
| 1965 – 1969 | Full Academic Scholarship, Brigham Young University |
| 1967 | Phi Kappa Phi Honor Society, Brigham Young University |
| 1969 | Medical Technology Student of the Year, Utah State Society of Medical Technologists |
| 1969 | B.S., Magna Cum Laude |
| 1983 | Scholarship, American Indian Scholarship Fund |
| 1984 | Internal Medicine Honors Program, University of Utah School of Medicine |
| 1991 | Certificate of Merit for Scientific Exhibit, American Roentgen Ray Society, Boston, Massachusetts |
| 1991 | Cum Laude Award for Scientific Exhibit, Radiological Society of North America, Chicago, Illinois |

- 1992 Certificate of Merit for Scientific Exhibit, American Roentgen Ray Society, Orlando, Florida
- 1993 Certificate of Merit for Scientific Exhibit, American Roentgen Ray Society
- 1996 Certificate of Recognition, Indian Health Service
- 1997 Certificate of Merit for Scientific Exhibit, Radiological Society of North America Annual Meeting
- 1997 Commitment to Excellence Award, University of Michigan Hospital
- 1998 Harold S. Johnson Diversity Award, University of Michigan
- 1998 Medical Student Council Appreciation Award, University of Michigan
- 1998 1st Place Award for New Poster Category, Society of Uroradiology
- 1998 Medical Education Scholar Program, University of Michigan Medical School
- 1999 Women's Career Development Award, University of Michigan
- 1999 Fellow, Society of Breast Imaging
- 2000 Department of Veteran's Affairs Service Award, 10 years
- 2002 Bronze Medal for Scientific Exhibit, "Breast Cancer Detective." American Roentgen Ray Society, Atlanta, GA
- 2002 America's Top Radiologists, Consumers' Research Council Guide
- 2003 Exemplary Team Award, Honorable Mention, Workplace 2003, University of Michigan Human Resources
- 2003 – 2012 Personally featured in Exhibit: Changing the Face of Medicine: Celebrating America's Women Physicians, exhibited at the National Institutes of Health, National Library of Medicine and as a traveling exhibit in multiple medical libraries throughout the nation 2003-2012
<http://www.nlm.nih.gov/changingthefaceofmedicine/>
- 2003 The Moccasin Award, Aberdeen Area Indian Health Service
- 2004 Scholarship Award, Cancer, Culture, and Literacy Meeting, May 20-22, 2004, sponsored by the Moffitt Cancer Center ~\$1000
- 2004 Certificate of Merit for Scientific Exhibit. "Interactive Computer Teaching Module for Radiologic-Pathologic Correlations in Breast Imaging." American Roentgen Ray Society
- 2007 Dean's Award, University of Michigan Medical School: Community Service Award

- 2009 – present UMHS Employee Recognition Awards:
 02/09: You’re Super Award
 10/09: Making a Difference Award
 12/09: Making a Difference Award
 07/14: Making a Difference Award
 01/15: Making a Difference Award
 04/17: Making a Difference Award
- 2009 Best Speaker Award, American Roentgen Ray Society Annual Meeting
- 2009 Certificate of Recognition, eMedicine.com
- 2009 1st Place Poster Award, Association of American Indian Physicians Annual Meeting
- 2010 Certificate of Recognition, eMedicine.com
- 2009, 2011, 2012, 2013, 2015
 “Best Doctors” in America
- 09/12 Personally featured in final closing exhibit, National Library of Medicine at the University of Utah Eccles Medical Library, Changing the Face of Medicine: Celebrating America’s Women Physicians Exhibit, Salt Lake City, UT
- 2014, 2015, 2017 America’s “Top Doctor” Award
- 04/15 Fellow, American College of Radiology (FACR)
- 2016 Castle Connolly Top Doctors Award
- 2016, 2017 Castle Connolly Regional Top Doctors in Ann Arbor Award
- 2017 Castle Connolly Top Doctors Inaugural Award: Castle Connolly Exceptional Women In Medicine

Memberships in Professional Societies

- 1983 – present Association of American Indian Physicians (AAIP)
- 07/91 – present Radiologic Society of North America (RSNA)
- 07/92 – present Society of Breast Imaging (SBI)
- 09/92 – present Fred Jenner Hodges Radiologic Society
- 1995 – 2015 American Roentgen Ray Society (ARRS)
- 08/99 – present Fellow, Society of Breast Imaging (SBI)

American Indian Science and Engineering Society (AISES), Great Lakes Chapter

Network for Cancer Control Research Among American Indian and Alaska Native Populations, Advisory Committee for Spirit of Eagles Special Population Grant; grant reviewer, committee for 2011 and 2013 Annual Meeting

11/99 – present Association of University Radiologists (AUR)

05/03 – present American College of Radiology (ACR)
Michigan Radiological Society (MRS)

08/03 – present Native Researchers Network, Inc.

American Indian Science and Engineering Society (AISES), Lake Erie Professional Chapter (LEPC)

01/07 – present Collegium Aesculapium Foundation, Inc.

08/12 – present American Association for Women Radiologists (AAWR)

08/13 – present American Institute of Ultrasound in Medicine (AIUM)

Editorial Positions, Boards, and Peer-Review Service

Reviewer of Scientific Manuscripts

2007 – 2009 *Cancer*
2007 – 2014 *American Journal of Roentgenology*
2007 – present *Academic Radiology*
2010 – present *Journal of Ultrasound in Medicine*
2013 – 2015 *American Journal of Public Health*
2013 – 2015 *Journal of Women's Health*
2015 *Cancer Epidemiology, Biomarkers & Prevention*
2015 – present *Journal of Clinical Ultrasound*
2017 *Technology in Cancer Research and Treatment*

Grant Reviewer

04/21-22/99 Grant Reviewer for California Breast Cancer Research Program, University of California at Berkeley, San Francisco, CA.

03/17/01 Grant Reviewer for California Breast Cancer Research Program, University of California at Berkeley, San Francisco, CA.

1996 – present Spirit of Eagles Network Steering Committee, advisory committee to NCI and NCI grantee as Special Populations Network; National Meeting Committee and Grant Reviewer.

2017 Scientific Abstract Reviewer, Spirit of Eagles National Conference 2017: Changing Patterns of Cancer in Native Communities: Strength through Tradition and Science, Niagara Falls, NY, September 21-24, 2017.

Teaching

International

2007 Case of the day e-mailed daily to Radiology Department at Santariskas Hospital, Vilnius, Lithuania.

10/06 RSNA Visiting Professor to Lithuania. October 8-22, 2006.

09/23/16 Ultrasound guided breast biopsy with marker placement Training Course: Performed Real Time from Sichuan Provincial People's Hospital to the National Ultrasound Symposium, Taicheng Hotel, Chengdu, China.

National

2002 Physician Educational Materials: Native American Version of educational computer game, Breast Cancer Detective. (3 hours) For outcomes regarding this educational product, see Native American Activities, p. 32.

2003 "Breast Care Bingo" computer educational game for healthcare professionals and patient education, targeted to Native Americans. See Poster Exhibits May 2004. 15 hours. For outcomes regarding this educational product, see Native American Activities, p. 32.

2003 Computer Educational Tool for Learning Mammogram Characterization of Masses with L. Hadjiyysky, PhD. (See exhibits and presentations 2004)

2004 Radiologist Educational Materials: Computer Educational Tool for Learning Ultrasound Characterization of Masses with Berkman Sahiner, PhD.

2004 National Teaching Conference: Audio Presentation: "XR Mammography: Digital – Today and Tomorrow" General Electric Web Based Mammography Technologist Teaching Program for Mammography Technologists

09/08/07 Career in Medicine: IPOD video lecture for Spirit of Eagles Cancer Conference and website. Sept 8, 2007. 1 hour.

Duke University Medical School

07/90 – 08/92 House Officer Teaching Conferences (1x/week), Duke University Medical Center.
Computed Tomography.

07/90 – 08/92 House Officer Teaching Conferences (1x/week), VA Medical Center, Durham, N.C. General Radiology, Computed Tomography, Ultrasound.

- 07/90 – 08/92 Internal Medicine House Officer Teaching Conference (1x/week), VA Medical Center, Durham, N.C. General Radiology, Computed Tomography, Ultrasound.
- 07/90 – 08/92 Multidisciplinary Teaching Conferences (1x/week), VA Medical Center, Durham, N.C. Medical students, house officers, fellows, and faculty for Internal Medicine, Surgery, Pulmonary Conferences, Gastrointestinal Disease Conferences, Infectious Disease Conferences

University of Michigan Medical School/Health System

- 09/92 – 08/00 Emergency Room Radiology and Chest Radiology, University of Michigan Medical Center, Night and Weekend Instruction of Radiology House Officers.
- Internal Medicine House Officer Teaching Conferences (1 hr/month), VA Medical Center, Ann Arbor, Michigan.
- Medical Student Radiology Rotation Lecture, 1 Hour quarterly, VA Medical Center.
- Daily instruction of House Officer, VA Medical Center, Ann Arbor, MI. General Radiology, Computed Tomography, and Ultrasound.
- 09/92 – present Daily instruction of House Officers and Fellows, Breast Imaging, GI Radiology University of Michigan Medical Center.
- Instruction of Medical Students on Radiology Elective, University of Michigan Medical Center, Division of Breast Imaging, and GI 09Radiology.
- Radiology Mammography Technologist In-service Lecture, 1 Hour, Biannually.
- Multidisciplinary Breast Care Center Conference (1x/month), University of Michigan Medical Center, Discussion of breast imaging studies to medical students, house officers, fellows, and faculty for Surgery, Pathology, Internal Medicine, Radiation Oncology, Obstetrics/Gynecology, and Radiology.
- Mammographic/Pathologic Case Conferences (1hr/week), University of Michigan Medical Center, Radiology Faculty and Resident Teaching Conference.
- Radiology Resident Teaching Conference Lecture (1hr/quarter), University of Michigan Medical School, Breast Imaging approximately 4 hours/year.
- Radiology Resident Board Review, Senior Radiology Residents approximately 2 hours/year.
- 4th Year Medical Students Radiology and OB/GYN Rotations in Breast Imaging, reading room instruction/shadowing.
- 1st Year Medical Students Radiology Rotations in Breast Imaging, reading room instruction/shadowing.

Courses/Lectures

- 1990 Lecture, Genitourinary Imaging, Duke University Medical School, Durham, N.C. Clinical Course, 2nd Year Medical Students
- 1994 Lecturer and Supervisor of Radiology Lectures, Anatomy 500 Course, University of Michigan Medical School, First Year Medical Students
- Introduction to Radiology (2 hours)
 - Radiology of the Chest (1 hour)
- 1995 Lecturer and Supervisor of Radiology Lectures, Anatomy 500 Course, University of Michigan Medical School, First Year Medical Students
- Introduction to Radiology (2 hours)
- 1996 Radiographic Evaluation of Femurs of the Mogollan, Henderson site, Chaves County, New Mexico, for John D. Speth, Professor and Graduate Students, Department of Anthropology. 3 Hours
- 1996 Lecturer and Supervisor of Radiology lectures in the Anatomy 500 Course, University of Michigan Medical School, First Year Medical Students
- Introduction to Radiology (2 hours)
- 1997 Lecturer and Supervisor of Radiology lectures in the Anatomy 500 Course, University of Michigan Medical School, First Year Medical Students
- Introduction to Radiology (2 hours)
- 02/06/98 3rd year Medical Student Large Group Lecture, Seminars in Medicine, “Breast Cancer & Mammography.” February 6, 1998
- 04/06/98 Freshman Undergraduate Course: “Medicine, Society & Creativity.” Health Problems in Native Americans. April 6, 1998
- 1998 Lecturer and Supervisor of Radiology Lectures, Anatomy 500 Course, Developed Lecture into Web page and promoted this innovation to the other radiology lecturers. This was the first web-based instruction of Radiology for medical students at University of Michigan Medical School
- Introduction to Radiology (2 hours)
- 08/23/99 Introduction to Radiology (2 hours), August 23. University of Michigan Medical School M1 Students.
- 1999 – 2000 Supervisor of Radiology Lectures for Anatomy 500 Course. 3 hours Anatomy 500 Course, Integration of Radiology Images in new Web-based Redesign of Anatomy Course. 4 hours.
- 02/16/00 School of Nursing, Course: Cultural Aspects of Health and Illness: Lecture title: Native American Health and Traditional Healing. 1 hour, Feb. 16.
- 03/09/00 Psychology 211: Health, Illness and Society; Title: Native American Health and Traditional Healing, March 9, 1 hour Video: Research in Breast Ultrasound at University of Michigan Health Systems, for Public Relations Office.

- 08/25/00 Presentation/Lecture : Medical School Curriculum Policy Committee, University of Michigan Medical School, Medical School Educational Software Demonstration; Friday, August 25, 2000, 1 Hour
- 10/05/00 Panel Discussion: University of Michigan, Women of Color in the Academy Project. Video: "Through My Lens." Sponsored by Rackham and CEW, Rackham Amphitheater/Assembly Hall, Thursday, October 5, 2000
- 10/16/00 Demonstration: Breast Cancer Detective Game, Medical Education Scholars Program, Learning Resource Center, October 16, 2000.
- 12/13/00 Curriculum Review Group: Dec 13, 8 hours. Medical Education Scholar Program: 20 hours.
- 2001 Interview: Medical Education Department: Utility of Medical Education Scholar Program. Feb 22, 1 hour.
- 2001 Breast Cancer Detective Game, Medical Education Day, Taubman Center. January 23, 2 hours.
- Seminar: 2nd Year Medical Students: Sociocultural Initiative: Spirituality and Medicine, May 10, 2001; 5 hours.
 - Seminar: 2nd Year Medical Students: Sociocultural Initiative Instruction. Feb 14, 4.5 hours. Systemic Lupus Erythematosus.
 - Breast Cancer Detective Game, Medical Education Research Group. Feb. 14, 1 hour.
 - Development of the Breast Cancer Detective Game, Medical Education Scholars Program. Dec 18, 1/2 hour.
- 2001 Coordinator of Radiology Lectures for M-1 Anatomy Course: Aug. – Dec., 2001. Developed a new 2 hour Breast Cancer Multidisciplinary Presentation for this course.
- 2001 Lectures: M1 Students, Anatomy Course:
- Introduction to MRI imaging. Aug 27, 1 hour.
 - Clinical Correlation Conference, Breast Cancer, Aug 31, 1 hour.
- 2001 Instructor: 4th year Medical Student Radiology Elective Case Presentations
August 29, 1.5 hours
April 3, 1.5 hours
- 03/01 – 10/02 M4 Students – Breast Imaging Radiology Elective
03/23/01 – Breast Imaging and Breast Cancer Detective Game. 1.5 hours.
08/01/01 – 1.5 hours.
09/26/01 – 1.5 hours.
10/24/01 – 1.5 hours.
03/06/02 – 1.5 hours.

08/16/02 – 2 hours.
10/07/02 – 2 hours.
10/30/02 – 2 hours.

- 2001 Consultant for the Masters Degree Students (MFA) in Biomedical Visualization Department, December 13, 2001. 2 hours.
- 02/20/02 Introduction to Breast Imaging. M4 Students: Ob-GYN Elective Course: Clinical Anatomy and Women's Health. Feb 20, 2002. 1 hour.
- 08/02 Medical Student Radiology Case Presentations.
08/21/02 – 1 ½ hours.
- 02/18/03 Small Groups Workshop: "Developing an Educational Module for Radiology Residents on 'Breaking Bad News'", with Amy R. Guest, M.D., Surgical Oncology, and Michelle B. Riba, M.D., Psychiatry. Medical Education Day, February 18, 2003, University of Michigan Medical School; 1.5 hours.
- 03/19/03 "Introduction to Breast Imaging", M4 Students in Radiology Elective: March 19, 2003, 1.5 hours.
- 04/05/03 "Healthcare Career Opportunities for Native American High School Students," with guided tour of University of Michigan Medical School and Medical Center for 40 American Indian High School Students from the Upper Peninsula of Michigan (Escanaba, Rapid River, L'Anse, Watersmeet, Marquette, Baraga); Arranged in conjunction with the University of Michigan Native American Student Association. 6 hours April 5, 2003.
- 11/20/03 "Using Computer Assisted Analysis to Teach Residents to Characterize Mammogram Masses." Medical Center E Learning Group." November 20, 2003. 2 hours.
- 12/06/03 "Healthcare Career Opportunities and Pre Med Curriculum." Native American Pre-College Festival, University of Michigan Union Building. 1 hour. December 6, 2003.
- 02/16/05 M2 Students, Multicultural Issues in Medicine: Small Group Discussion. Feb 16, Preparation time: 2 hours, Lecture Time: 2 hours.
- 2005 M2 Students: Reproduction 611, "Multi-disciplinary Conference, Mock Breast Tumor Board." We discussed 5 clinical cases with radiographic and pathologic examples utilizing the format of a tumor board. Participants included representatives from Radiology, Pathology, Social Work, Radiation Oncology, Hematology/Oncology, and General Surgery. The students participated in an active fashion from the patient's perspective. Preparation time 8 hours; Lecture time 2 hours.
- 10/27/05 Black Pre Medical Society Meeting, October 27. "Cultural Competency, and Breast Cancer Educational Materials." 2 hours.

- 08/17/06 Computer Games for Medical Education. Teaching With Technology Seminars; May 9, 2006. 2 hours Computer Education Tools to Improve Breast Cancer Screening in Native American Women. Cultural Competency Seminar, Aug 17, 2006: University of Michigan Medical Center.
- 09/06 Breast Cancer Detective Computer Game, in seminar: The Breast: A Dialogue Between Physicians and Humanists. University of Michigan School of Social Work. September 29, 2006. 2 hours.
- 11/06 Bridging the Digital Divide: Computer Education Tools to Improve Breast Cancer Knowledge and Screening in Indian Healthcare. University of Michigan School of Nursing. November 2, 2006. 1.5 hours.
- 2008 PIBS (Post Graduate Program in Biomedical Sciences), recruitment of Native American Students. 5 hours.
- 2008 University of Michigan Medical School Diversity Office, recruitment of Native American Students. 5 hours.
- 02/10 – 03/10 “Mammography in Art and Design” assisted in organization and implementation of this undergraduate course, in collaboration with the University of Michigan School of Art; 16 students, Feb.-March 2010: 16 hours of lecture, one on one instruction, and organizational work.
- 04/10 Ann Arbor University of Michigan Pow Wow, supervision and teaching of 5 University of Michigan M1 medical students in providing basic health screening at U. of M. booth, 4 hours, April 10-11, 2010.
- 05/05/10 Small group: M1 Clinical Foundations of Medicine: Abdominal Classics Session, 50 students, 4 hours. March 5, 2010.
- 10/27/10 Panel Discussion: Black Pre Medical Association, Latin American Pre Medical Association Undergraduate Student meeting. 2 hours.
- 06/21/11 Invited Panelist: Women in Radiology; How Do I Get Started On and Nurture My Research Career? June 21, 2011; 2 hours.
- 09/10 – 01/11 University of Michigan Mechanical Engineering Course 450: Five Mechanical Engineering students, lecture: “Breast Cancer Detection: Application for Low-Detection Device for Breast Cancer Detection in Third World Countries; Formal teaching 2 hours; September 14, 2010; Informal teaching and mentoring of Mechanical Engineering students: September-2010 - January 2011: 6 hours.
- 03/15/11 School of Education, University of Michigan; Education 884: Development of Professional Expertise, 1 hour lecture – Title: Development of Professional Expertise
- 11/07/11 Breast Cancer Screening in American Indian Women. Educational Outreach Seminar for Native American Heritage Month, Latin American Native American Medical Association (LANAMA), Ann Arbor, MI.

- 12/13/12 American Indian Women and Breast Cancer. Latin American Native American Medical Association (LANAMA), University of Michigan Medical School, Ann Arbor, MI.
- 02/16/13 Health Equity Scholar's Program: Health Disparities among American Indians. 4 hours.
- 04/28/15 Unconscious Bias, A Panel Discussion. Black Medical Association and Latin American Native American Association, University of Michigan Medical School, Ann Arbor, MI.
- 11/10/15 Life Stories. Black Medical Association and Latin American Native American Association, University of Michigan Medical School, Ann Arbor, MI.
- 02/11/17 Breast Cancer Screening and Health Disparities. Latin American Native American Student Conference, University of Michigan Medical School, Ann Arbor, MI.

Defense Committees

- 2006 Ganesh Narayanasamy, PhD Student, PhD Committee 3 hours, Aug 30, 2006. 12 hours.
- 2007 Sumedha Sinha, Doctoral Thesis Committee

Individual Teaching and Mentoring

- 1998 Pioneer High School Career Explorations Mentor, Job Shadowing. 2 hours Senior Student, Lisa Umerly
- 2001 Radiology Course: Research Elective Student: Lauren B. Smith.
- 2004 Graduate Student Directed Work, School of Art and Design, 3 credit hours. Jan-April 2004:
- Staci Washington, Graduate Student, School of Art and Design.
 - Erin Daniel, Graduate Student, School of Art and Design. Project: Breast Cancer Awareness Project: "Breast Health Advisor." Interactive Animated Breast Cancer Educational Game for Native American Health Professionals and Patients. See Poster and Computer Exhibits, April and May 2004.
- 2005 Khasha Touloei, Undergraduate, Georgetown University. 3 hours job shadowing.
- 12/10/08 Anna Babayan, MS III, MSU School of Medicine: Shadowing; December 10, 2008. Student has since become a Radiology Resident at Oakwood hospital. 4 hours.
- 04/11 Christin Pipitone, M4, one-on-one teaching: 12 hours, April 4, 5, and 14, 2011.

- 09/29/11 Kelsey Sheehan, M1 Clinic Shadow Visit, Office of Medical Student Education, University of Michigan. September 29, 2011. 4 hours.
- 09/15 – present M3-M4 Student in Radiology Elective, Breast Imaging Rotation. One-on-one Teaching. 4 hours.
- 09/28/15 Manika Raff. 8 hours.
 - 09/16 Mariana DeFreitas
 - 02/17 Ellen Williams
 - 03/06/17 James Drake
 - 03/17 Cindy Lee
 - 03/17 Colin Mervak
 - 03/28/17 Stephen Neville
 - 04/17 Sarah Bell
- 09/15 – present M1-M2 Student in Radiology Elective, Breast Imaging Rotation. One-on-one Teaching. 4 hours.
- 09/15 Nate Reitburg
 - 09/04/15 Cameron Strong. 8 hours.
 - 01/28/16 Hilary Iskin
 - 09/06/16 Elizabeth Kopp
 - 09/09/16 Meghan Rowe
 - 01/16/17 Harkamal (Sunny) Singh
 - 05/23/17 David Goldfarb

Teaching Material Development

- 1999 Medical Education Scholar Program: 10 hours
- Developed small group teaching demonstration for medical students of MRI principles. (3 hours).
 - Developed an interactive web-based computer game: Breast Cancer Detective (www.med.umich.edu/lrc/breastcancerdetective) (15 hours) as an introductory teaching module for M4 students.
 - Video: “Through My Lens.” Women of Color in the Academy Project, 2 hours.
- 05/16/00 Computerized Instruction in Radiology for Medical Students: Development of a Breast Imaging Game. 1/2 hour, May 16, Medical Education Scholars Program.
- 2001 Medical Student Educational Materials Development: Breast Cancer Detective Game. (www.med.umich.edu/lrc/breastcancerdetective). This has been used in medical student teaching and radiology resident teaching since this time.
- 06/09 – 08/09 Teaching and content development: for Encore M2 summer Outcomes based Pilot Curriculum, June 15-Aug 1 2009; Identified, organized and classified all online learning resources (~ 40 websites) in learning topics of Diabetes, Renal Failure, and Trauma; Organized and taught Radiology –Anatomy lectures (foot and renal cases) in small group instruction. Assisted Page Wang to develop Trauma Radiology Power Points; 16 hours;

- Student comment of radiology lectures: “Make this a part of the regular curriculum! These were really great skills to learn.

Patient Education Development

- 2004 Revision of my previously designed Computer Website Breast Cancer Detective Game (www.med.umich.edu/lrc/bcdnativecircle) to make a version culturally specific for Native American Patient Education. (www.med.umich.edu/lrc/bcdpatient). 20 hours; See Poster Exhibits May, 2004 and page 33 for Native American Educational Activities.
- 2005 Consultant and reviewer for McKesson Health Solutions, patient educational materials about mammography. 2 hours.
- 2005 Reviewer for Colorectal Cancer Manual for American Cancer Society, National Colorectal Cancer Roundtable, Thomas Jefferson University. “What You Should Know About Screening for Colorectal Cancer.” 6 hours.
- 2013 Designed patient brochures for core breast biopsy procedures. 30 hours

Mentoring – University of Michigan Medical School

- 03/02 Faculty mentor, Native American Student Association, University of Michigan (<http://www.umich.edu/~aium/>), and Student Pow Wow Volunteer March 2002. 4 hours.
- 04/03 Faculty mentor, Native American Student Association, University of Michigan (<http://www.umich.edu/~aium/>), and Student Pow Wow Volunteer April 2003. 4 hours.
- 04/29/05 Cultural Competency Fair April 29, 2005, University of Michigan, Towsley Center: Development of Computer Games to Teach Breast Cancer Screening to Native Women and Health Providers. 3 hours.
- 12/07 – 05/08 Recruitment activities for Native American students for the graduate student. 5 hours. University of Michigan Program in Biomedical Sciences with Tiffany Porties, Director, December 2007 – May 2008, and University of Michigan Medical School Office of Diversity (6 hours)
- 2008 PIBS (Program in Biomedical Sciences), assistance and advice regarding recruitment of Native American Students, recruiting at National Meetings October 2008. 20 hours.
- 2008 University of Michigan Medical School Diversity Office, assistance, and advice regarding recruitment of Native American Students. 5 hours.
- 02/09 Local Recruitment activities for Native American students for the graduate student University of Michigan Program in Biomedical Sciences February, 2009. 4 hours.

- 07/09 Recruitment of American Indian pre-med and public health students for UMMS and SPH at AAIP meeting, July 2009 16 hours.
- 08/09 Recruitment and mentoring of 12 American Indian students for UMMS, and U of M. School of Public Health at American Association of Indian Physicians Meeting Aug 1-6 2009. 8 hours.

Radiology Faculty

- 2007 Tamera Stein, PhD, William Weadock, MD Educational Project: Facilitator with Case of the Day applications for Anatomy course and 4th year electives. Dec. 11, 2007. 2 hours.
- 2007 Alexis Nees, MD, RSNA Scholar program and applicant for NIH Loan Repayment Program. 12 hours.
- 2007 Alexis Nees, MD. Awarded RSNA research scholar 2007. 10 hours.
- 2009 – 2010 Mitra Noroozian, MD; 6 hours; Project: Manuscript, Digital tomosynthesis compared to Spot Views; manuscript in progress.

Radiology Fellows-projects

- 07/03 – 06/04 Amy R. Guest, Radiology Fellow. Projects:
- Breaking Bad News, An Educational Module (See Scientific Presentations May 2003). 6 hours.
 - Incremental Breast Cancer Detection and Patient Management Changes as a Result of Breast Imaging Consultation at an Academic Comprehensive Breast Care Center (See Scientific Presentations November 2003). 5 hours.
- 07/10 – 06/11 Jonathan Shakespear, Breast Imaging Fellow: Movement of Wire Localizations. 6 hours
- 07/12 – 06/13 Carol McLaughlin, Fellow, Breast Imaging Division, Project: Patient Educational Brochure for Core Biopsy Procedures. 6 hours
- 05/17 – present Michelle Sakala, Fellow, Abdominal Imaging Division (7/16-6/17), Breast Imaging Division (7/17-6/18), Project: MRI of lactation.

Radiology Residents-projects

- 2001 Amy Guest, 3rd year Radiology Resident. Project: Ductal Carcinoma in situ: method of biopsy. (Scientific Presentation 2001).
- 2004 Melissa Hilmes, Radiology Resident (R3). 8 hours “Breast Health Advisor.” Interactive Animated Breast Cancer Educational Game for For Native American Health Professionals and Patients; Sept. 2003-2004. See Poster and Computer Exhibits, April and May 2004.

- 2004 Kate Maturen, Radiology Resident, R3. Project: Interactive Computer Teaching Module for Radiologic-Pathologic Correlations in Breast Imaging. See Computer Exhibits May 2004. 2 hours.
- 2006 Deepa Pai, Radiology Resident. Research project: Core Biopsies of the Breast in Patients who undergo Neoadjuvant Chemotherapy. 4 hours.
- 2007 John Andrew Williamson, MD. Radiology resident. Project: Tomosynthesis vs. spot view mammography. 6 hours.
- 2007 Deepa Pai, MD. Radiology resident. Core Biopsies of the Breast in Patients who undergo Neoadjuvant Chemotherapy. 6 hours.
- 2008 John Andrew Williamson, MD. Radiology Resident. Project: Tomosynthesis vs. spot view mammography. 6 hours.
- 2009 – 2010 Zachary Washburn, Radiology Resident: Educational project- Breast MRI, what the resident needs to know. Accepted as poster presentation at AUR meeting 4 hours.
- 2009 – 2010 Peggy Wu, Radiology Resident: Project= Cost effectiveness and outcomes of prior comparison mammograms in Telemammography; 2 hours Career counseling 2 hours, June 2010.
- 2009 – 2010 Kristin Krizmanich-Conniff, Radiology Resident, with Chintana Paramagul: Analysis of Triple Negative Breast Cancers. Presentation at AUR march 2010 and manuscript published.
- 2009 – 2010 Page Wang, Radiology Resident.
- Educational Project: Radiology Teaching Cases for Encore Outcomes based Pilot Curriculum April –July 2009: 30 hours; Her lectures to M2 student subgroup in Encore Outcomes based Pilot summer received highest ratings.
 - Teaching Activity: Mammography in Art and Design” undergraduate course, 16 students, Feb.-March 2010.
- 2010 – 2011 Page Wang, Radiology Resident: Radiology Teaching by Vodcasting in the US and China. 3 hours
- 2010 – 2011 Zachary Washburn, Radiology Resident: Breast MRI Artifacts: What the Resident needs to know.
- 2010 – 2011 James Schaefer, Radiology Resident: Tomosynthesis compared to spot views, reader study. RSNA scientific presentation 2010.
- 04/11 – 09/11 David Melville, Radiology Resident: Tomosynthesis and the need for ultrasound. 4/2011- Sept 2011; 8 hours.
- 2010 – 2011 Peggy Wu, R3 Radiology Resident. Project 1: Prior Mammograms in Telemammography. Abstract submitted to RSNA. Educational Project 2: Digital

Breast Tomosynthesis. Educational Poster presented at MRS January 2011.
Educational Poster

2011 – 2012 Peggy Wu, R4 Resident: Project, Prior Mammograms in Telemammography.
RSNA Presentation 2012. 8 hours.

2015 – 2016 Sarah Allgeier, R3 Resident: Project, Digital mammography to evaluate small
animals and insects.

Internal Medicine Residents-project

06/08 – 12/08 Sahand Rahnama-Moghadam: Tomosynthesis and Spot Views. June-December
2008. 40 hours.

Graduate Student teaching and mentoring

2006 Ganesh Narayanasamy, PhD Student, PhD Committee 3 hours, Aug 30, 2006. 12
hours

2007 Sumedha Sinha, student in Physics. Career Counseling, May 1, 2007. 2 hours

2007 Mark Haynes, graduate student in Applied Physics: High resolution quantitative
imaging with breast ultrasound. US Army Grant proposal preparation; April –
May 2007. 5 hours

2007 Jenna Johnson, MPH Graduate Student, School of Public Health: Cancer
Epidemiology Education in Special Populations. April-Oct 2007. 7 hours

2008 Mark Haynes, graduate student in Applied Physics: High resolution quantitative
imaging with breast ultrasound. 5 hours

2008 Jenna Johnson, MPH graduate student: Project: Tribal Linkage Improves Race
Data Quality for American Indians in Cancer Registry. 2 hours

2009 – 2010 Sumedha Sinha, graduate student bioengineering; PhD Thesis panel: 3 hours June

2009 – 2010 Mark Haynes, graduate student in Physics. Project: Inverse Scattering, Full Wave
Imaging, and Quantitative Imaging of Tissue Properties. 6 hours

2010 – 2011 Graduate and postdoctoral students, Basic Radiological Sciences Division:
Informal teaching: 2 hours/month

01/11 – 09/11 Timothy Kaselitz, MS 3, MPH student. Project: IBC in Egypt

2011 – 2012 Emily Roen, MPH Student: Outcomes of Telemammography Among American
Indian Women. 20 hours

12/16/11 Mark Haynes, PhD Physics, Thesis Defense. December 16, 2011. 2 hours

2013 – 2015 Won Mean Lee, 3D Breast Ultrasound

- 2014 – 2015 Eric Larson, 3D Breast Ultrasound
- 10/14 – 05/15 Emily Hearst, MPH Student, Project: Diabetes and the American Indian Health and Family Services Clinic. 5 hours.
- 2017 – present Joel Begay, MPH Student 2018, Hospital & Molecular Epidemiology Candidate: Screening Mammography Adherence and Factors Associated with Adherence at UMHS (Michigan Medicine). Cancer Epidemiology Education in Special Populations (CEESP) Program, grant externally funded by the National Cancer Institutes of the National Institutes of Health (R25 CA112383) through the University of Nebraska Medical Center (PI: Amr Soliman, MD, SPH).
- Career mentoring and teaching for this full time summer research project, Compliance with Screening Mammography by Race and Age.

Medical Students - projects

- 1994 Norris Lai, MS IV, Medical Student Research Project Mentor and Advisor, Office of Biomedical Research
- Project: Bilateral Breast Cancer
- 1995 Amy Rochester, 2nd Year, Medical Student Research Project Mentor and Advisor, Office of Student Biomedical Research
- Project: Breast Calcifications
 - Funding: Stipend NIH grant administered by Office of Biomedical, \$2000
- 1996 Richard Orange, 4th year Medical Student Research Project Mentor
- Project: Positive Predictive Value of Mammography in Women on Estrogen.
- 1996 Edward Pollack, MSII, Medical Student Research Project Mentor and Advisor
- Project: Breast Cancer Risk Factors in Women 40-49 Years of Age, Funding: Stipend NIH grant administered by Office of Student Biomedical Research, \$2000
 - Project: Ductal Carcinoma in Situ: Size Comparison with Prior Mammography
- 1996 Amy Rochester, MSIII, Medical Student Research Project Mentor
- Project: Microinvasive Ductal Carcinoma in situ: Mammographic and Pathologic Correlation
 - Project: Positive Predictive Value of Mammographic Lesions in the Contralateral Breast.
- 1997 Amy Rochester, MS IV, Medical Student Research Project Mentor
- Project: Microinvasive Ductal Carcinoma in situ: Mammographic and Pathologic Correlation
 - Project: Positive Predictive Value of Mammographic Lesions in the Contralateral Breast
 - Project: Value of Radiology Case of the Week Presentations for Medical Students
 - Project: Limitations of Student Evaluations of Curriculum

- 1997 Edward Pollack, MS III, Medical Student Research Project Mentor and Advisor, Breast Cancer in Women 40-49 Years of Age
- 1999 – 2000 Shanti Eswaran, 2nd year medical student: Intro to Radiology. 1 hour.
- 1999 – 2000 Natalie Saunders MS II. Development and presentation of Web-Based Radiology Instruction for the Anatomy 500 Course; (see scientific presentations) 4 hours.
- 1999 – 2000 Emma Diponio MSIV Research Project: Surgical Outcome of Ductal Carcinoma In-Situ (see scientific presentation and publication) 8 hours.
- 2001 Lauren B. Smith, MS IV. Project: Ultrasound Color Flow and Power Mode 3-D imaging of breast masses: relationship to axillary nodal status. 4 hours. Career counseling: 2 hours (Abstract presented at ARRS, May 2002).
- 2003 Anika May, M1 Native American Medical Student; general mentoring, 1 hour.
- 2003 Brett Bartz, MSII. Project: Development of Computer Exhibit with 3D movies of Ultrasound and MRI of breast malignancies which undergo neoadjuvant chemotherapy. See Computer exhibit Nov. 2004, 8 hours.
- 2003 Alicia Arnold, MSIV. Project: Development of a Digital Computer based Mammography and Ultrasound Instructional Course, with Berkman Sahiner, PhD and Lubomir Hadjiisky, PhD, 10 hours.
- 2003 Deepa Pai, MSIV. Project: Histologic correlation of Ultrasound Findings in Patients Who Undergo Neoadjuvant Chemotherapy for Breast Cancer. 4 hours.
- 2004 Anastasia Hryhorczuk, M4 student. August 2-26; Project: 3D Automated Breast Ultrasound, Comparison with Handheld Ultrasound.
- 2004 Brett Bartz, MSII. Project: Development of Computer Exhibit with 3D movies of Ultrasound and MRI of breast malignancies which undergo neoadjuvant chemotherapy. See Computer Exhibit, May 2004. 1 hour.
- 2004 Alicia Arnold, MSIV. Project: Development of a Digital Computer based Mammography and Ultrasound Instructional Course, with Berkman Sahiner, PhD and Lubomir Hadjiisky, PhD. See Scientific Presentations and Computer Exhibits, April and May 2004. 5 hours.
- 2004 Deepa Pai, MSIV. Project: Histologic Correlation of Ultrasound Findings in Patients Who Undergo Neoadjuvant Chemotherapy for Breast Cancer; See Scientific Presentation and Computer Exhibit, April and May, 2004. 3 hours.
- 2004 Anika May, MI Native American MI Student; general mentoring 1 hour; no project.
- 2005 Geraldine Nkereuwem, University of Michigan, M1 medical student. Career Counseling, January-April 2005. 2 hours.

- 2005 Anastasia Hryhorczuk, M4 student. Project: 3D Automated Breast Ultrasound, Comparison with Handheld Ultrasound, presentation: 2 hours. Anastasia won the 'Trainee' Prize at the AIUM and the Radiology Dept Berg Prize for this work.
- 2008 Debra Weener, 4th year medical student – e-Learning for Medical School. 4 hours.
- 2009 – 2010 Michyla Bowerson, M4 University of Michigan: (09-10) Project: Usefulness of requesting prior mammograms in mobile telemammography; Abstract and Presentation at AUR March 2010; 14 hours.
- 2009 – 2010 Sahand Rahnama-Moghadam: M4 Project: Tomosynthesis and Spot Views. 40 hours (08-09), 6 hours 09-10; accepted into Internal Medicine residency.
- 03/18/12 Faculty Advisor for two Latin American Native American Medical Association (LANAMA) medical students at the Ann Arbor Powwow. March 18, 2012. 4 hours.
- 2013 Erica Prochaska, M1 Student, Mentoring, 2013
- 2013 Molly Chapman, M1 Student, Mentoring. Project: Prezi Presented Scientific Paper at AUR Annual Meeting, Baltimore, MD; Received Radiology Department Berg Prize 5/2013
- 10/02/13 Stephen Thompson, M1 Student. One-on-one Teaching: Clinical Foundations of Medicine (500CLN). 4.5 hours. Oct 2, 2013

Pre-Medical Students

- 2004 Jacob Nelson, Post baccalaureate, pre-med student. Pre-med counseling. 1 hour.
- 04/09 – 07/10 Taneev Escamilla Mackert pre-med student; Project: Outcomes of Telemammography, April 2009 – July 2010; 16 hours; July 2009-July 2010= 8 hours Two poster presentations resulted from this work, in 2009, and consequently she has been accepted into;
- MICHR 2010 Summer Immersion Program in Health Disparities Research
 - University of Michigan School of Public Health 2010

Undergraduate Students

- 1992 Sarah Lawson, Freshman Native American Student, Undergraduate Research Opportunities Program Mentor
- Project: Breast Cancer Risk Factors
- As of 2002, Sarah is a law student at U. Of Wisconsin and working for the Oneida Tribe in Green Bay.
- 1996 Jacqueline Lee, Sophomore undergrad (accepted to U. of M. med school), Undergraduate Student Research Project Mentor
- Project: Estrogen Replacement Therapy: Effect on Mammographic Biopsy Rates.

- 2005 Brett Bartz, M3 University of Michigan student, career counseling. 2 hours.
- 2007 Gurpreet Rana, medical librarian – Education Project: Assessment of on-line learning in diabetes for medical students. Dec. 12, 2007. 1 hour.
- 2007 Katie Linetzky, U of M undergraduate student. Breast Tomosynthesis and Ultrasound Image Comparisons. 2 hours.
- 2007 Lisa Vedder, U of M undergraduate student. Feb-March - Teaching Cases in Women's Health. 3 hours.
- 2008 Lisa Vedder, U. of M undergraduate student: counseling re medical school applications. 3 hours.
- 2008 Erin Gillespie, U of M undergraduate student. Discussion of a research project. 2 hours.

Mentoring – Outside of University of Michigan

Radiology Residents

- 02/11 Anna Babayan, R1 Radiology resident, Oakwood hospital, mentor and advisor. February 2011.

Graduate Students

- 1999 – 2000 Robyn Taylor-Wilson, Graduate Student, School of Public Health, University of Iowa. PhD Thesis: Patterns of Care Among Native American Cancer Patients: Patterns of Breast Cancer Treatment. 2 hours.

Medical Students

- 2009 – 2010 Theresa Martin, M2 Wayne State Medical Student (Mohawk Tribe); career counseling and educational project 6 hours; Project: Survey of Radiology Teaching Cases; (Abstract submitted to RSNA April 2010).
- 2010 – 2011 Theresa Martin M2 Native American Medical Student, WSU. Mentoring; 4 hours
- 2011 – 2012 Taneev Escamilla, M1 Wayne State Student; Project: Patient Education Media development for Breast Core Biopsies, Survey of Anxiety for Breast Core Biopsies. 15 hours.
- 2011 – 2012 Theresa Martin, M3 Native American Medical Student, Wayne State University. Mentoring. 4 hours.
- 2014 – 2017 Paul Walker, M3, Central Michigan College of Medicine.

Pre-Medical Engineering Students

- 2009 – 2010 Paul Walker, PhD. Career Counseling regarding medical school; 6 hours November-2010 June 2010.
- 2010 – 2011 Paul Walker, PhD, pre medical engineering student Eastern Michigan University, Mentoring 4 hours; Shadowing, 6 hours, August 23, 2010
- 2011 – 2012 Paul Walker, Pre-Medical Engineering Student, mentoring and advising. 8 hours.

Undergraduate Pre-Medical Students

- 2004 Kenneth Henderson, Washtenaw Community College (Under-grad), pre-med student. Pre-med counseling, 2003-2004. 2 hours.
- 2005 Joseph Marchese, University of Utah undergraduate pre-med student. 3 hours.
- 09/10 – 2012 Taneev Escamilla. Pre-Medical Student, Post baccalaureate program: WSU. Research Project: Outcomes of Telemammography. 25 hours.
- 2011 – 2012 Rachel Feldman, Undergraduate Pre-Med Student, Brandeis University, Boston, MA. Mentoring. 4 hours.
- 09/15 Lia Deroin, Pre-Medical Student, Post baccalaureate program, Loyola, Chicago, IL. American Indian applicant to UMMS. 6 hours.

Undergraduate Students

- 1999 – 2000 Rowin Begay, Native American undergraduate student, Northern Arizona University, Summer Minority Enrichment Program, School of Public Health. 1 hour.
- 2008 Carrie Diehl, undergraduate student, Smith College, psychology major. August 2008 Project: Electronic Learning Resources: Global Access. 5 hours.

Committee, Organizational, and Volunteer Service

Institutional

- 1995-1996 Breast Imaging Division:
Acting Associate Division Director
Resident and Medical Student Evaluations
Off line screening
Patient Intake Forms
- 1995-1996 Patient Care Information Systems Committee.
- 1994-1998 Course Director for Radiology Component of M1 Anatomy Course.
- 1994-2004 Medical Student Career Counseling Committee.
- 1993-1997 House Staff Selection Committee, Radiology Department.

1993-1999 Quality Management Committee.

1997-1998 Office of Student Biomedical Research Committee, Learning Resource Center Advisory Committee, Health Education Media Laboratory Advisory Committee.

1999-2001 Fellowship Coordinator, Resident Education Director, Breast Imaging Division, Harold S. Johnson Diversity Award Selection Committee.

2000-2002 Interdepartmental Committee for Graduate Program in Medical and Biological Illustration, Rackham School of Graduate Studies, School of Medicine, Curriculum Review Group.

2003-2007 Comprehensive Cancer Center Protocol Review Committee.

09/03-present Appointment, Promotion and Tenure Committee – Research Track (AP&T Research Track)/Basic Radiological Sciences, Department of Radiology, University of Michigan Health System.

2005-2009 Medical School Curriculum Development Committee.

2006-2007 Department of Radiology, Picture Archiving Computer Systems Committee (PACS).

2008-2010 Assist Program in Biomedical Sciences, School of Public Health in recruitment of Native American students.

09/08-present Sabbatical Review Committee, Department of Radiology, University of Michigan Health System.

01/13-present Graduation with Distinction in Service Award Committee, Office of Medical Student Education, University of Michigan Medical School.

09/13-01/15 Co-Chair, Sabbatical Review Committee, Department of Radiology, University of Michigan Health System.

2014-present Community Award Committee, University of Michigan Medical School.

01/15-present Chair, Sabbatical Review Committee, Department of Radiology, University of Michigan Health System

03/16-present Member, Diversity Steering Committee, Department of Radiology, University of Michigan Health System

Regional

2008-present Michigan Radiological Society Breast Imaging Conference Planning Committee

2011-2013 Southeast Michigan Urban Indian Community Diabetes Coalition, a CDC grant to the American Association of Indian Physicians (3 hrs/quarter)

- 06/13-2015 Michigan Radiological Society Committee on Economics
- 06/13-present Michigan Radiological Society Ethics Committee
- National:
- 1996-present Spirit of Eagles Network Steering Committee, advisory committee to NCI and NCI grantee as Special Populations Network; National Meeting Committee and Grant Reviewer.
- 2003 American Roentgen Ray Society, Education Committee.
- 2006 Board of Radiology Examiner, Breast Imaging, Louisville, Kentucky. June 11-14, 2006.
- 2007-2013 Special Populations Committee and Breast Committee for the American College of Radiology Imaging Network (ACRIN).
- 2009 Board of Radiology Examiner, Breast Imaging, Louisville, Kentucky. June 1-3, 2009.
- 2009-present Vice Chair, Board of Directors, American Indian Health and Family Services Clinic (Urban Indian Health Clinic), Detroit, MI.
- 2011 Board of Radiology Examiner, Breast Imaging, Louisville, Kentucky. May 23-25, 2011.
- 2011 Board of Directors: Native American Cancer Research Organization, Denver, Colorado. 2 hours/month.
- 2012 Board of Radiology Examiner, Breast Imaging, Louisville, Kentucky. May 19-25, 2012.
- 2013-present Fellowship Committee, Society of Breast Imaging/American College of Radiology
- 2013 Moderator, Breast MRI Scientific Session, American Roentgen Ray Society (ARRS) Annual Meeting, Washington, DC. April 16, 2013.
- 2013 Guest Course Director. Changing Patterns of Cancer in Native Communities: Strength through Tradition and Science, Mayo Clinic School of Continuous Professional Development. Albuquerque, NM. October 26-28, 2013.
- 2014 Board of Radiology Examiner, Louisville, Kentucky. May 22-24, 2014.
- 2017 Scientific Committee, Spirit of Eagles National Conference 2017, Niagara Falls, NY. September 21-24, 2017.

Community Service Related to Native American Health and Education

2006-present Lead Interpreting Physician and Supervisor, Great Plains Indian Health Service (IHS), Mobile Women's Health Unit

1995-1996:

A. American Indian Science and Engineering Society Activities:
Annual Convention, Salt Lake City, UT, November 14-17, 1996
Prize Committee, Career Fair Committee.

Annual Convention, Detroit, MI, November 10-12, 1995
Local Planning Committee
Chairperson, Research Presentations and Posters

Native American High School Students Activity Day Nov. 10
Demonstration and hands on activity of ultrasound imaging
to American Indian Students at Henry Ford Hospital.

B. Aberdeen Area Indian Health Service:

1. Community Educational Programs:

- a. Black Hills Pow-Wow, Rapid City, S.D., July 12, 1996
Breast and Cervical Cancer Screening and Education Program
Cancer Survivor Presentation
- b. News Report about breast screening in Indian Country Newspaper, July 1996.

2. Presentations:

- a. Mammography and Breast Cancer Detection in Sioux Women.
(1) Rapid City Indian Health Board (Iowa), October 8, 1996,
(2) Dept. of Epidemiology, Aberdeen Area Indian Health Service,
October 9, 1996.

3. Written reports:

- a. "Mammography and Breast Cancer Detection in Sioux Women", Oct, 1996
and submitted to (1) Rapid City Indian Health Board.(2) Rosebud Sioux
Indian Health Board (3) Department of Epidemiology, Aberdeen Area HIS
- b. Screening mammography for women 40-49, Northern Plains Tribes Oct. 1996
(1) Department of Epidemiology, Aberdeen Area IHS
(2) South Dakota Department of Health.
- c. "Diagnosis and Management of Clinical Breast Abnormalities" designed for r
Aberdeen Area IHS, November 1996

1996-2014:

1. Advisor, Native WEB, "Women Enjoying the Benefit", funded by the Mayo Clinic, American Cancer Society and NABCO. **1996-2005: Native WEB (consultant and advisor)** This program provided a 5-day on-site trainings for nurses serving Native American and Alaska Native and had training sites in over 100 locations in the US and South Pacific; see J Cancer Educ. 2002 Spring; 17(1):24-7,

- a. Contributor to Training Manual and: Management of Breast Lumps, and supplying images for lecture material. (4 hours)
 - b. Implementation of my computer game, Breast Cancer Detective in Conferences of Native WEB at Eagle Bluff, South Dakota, Sept 28, 2002, at Mayo Clinic, Oct 2, 2002, and training sessions in Milwaukee WI, and Madison, WI, Oct 14-16, 2002.
 - c. Development of computer game for training: Breast Health Bingo, 2003 (see poster presentations)
2. Activities related to the Spirit of Eagles program. **1996-2014: Spirit of EAGLES**, an NIH funded special populations program support cancer control in American Indian and Alaska Native communities, increasing access to clinical trials, and funding community-based projects that serve American Indians through cancer research, prevention, screening, and treatment issues; funded from the Special Populations Networks (SPN) of NIH. The home of this grant is at Mayo Clinic.
- a. (1) Steering Committee
(2) Grant Reviewer for Community Grant proposals: April 2001, April 2003.
 - b. Planning committee and abstract committee for National Native Cancer Meetings: 2003, 2005, 2007, 2009, 2011, 2013.
 - c. Promotion of the National Lung Cancer Screening Trial at University of Michigan Health System to the Great Lakes Inter Tribal Council, the American Indian Health & Family Services of S.E. Michigan, (Detroit Indian Health Center);
Arranged visit to the Cancer Center for representative Christine De Courtney, PA, Manager of Alaska Native Medical Center on April 7 –8, 2003, to observe and interact with the U. Of M. multidisciplinary cancer clinics, including the Breast Care Center.
 - d. Assisted the Michigan Cancer Research Consortium in recruiting patients into the STAR breast cancer trial, and the NCCTG Colorectal Screening Trial 2003.
 - e. Recruitment of Native American Students into Medicine:
High School Education Day, April 5, 2003, University of Michigan: 40 American Indian high school students from the Upper Peninsula attended. On April 5 , 2003 I arranged tours at the Medical School in the anatomy department, assisted by two medical students, the hospital and the Radiology department; presented medical imaging with MRI, CT scans, and angiography, health career pathways, and gave them written information about national summer opportunities for Native American High School students.
 - f. Publicity:
Radio Talk Shows:
(1) Vibrant Native Life Radio Talk Show,
Discussion: National Lung Cancer Screening Trial, Spirit of Eagles Community Grants, Native Circle Library. Life Talk Radio network consists of 20-25 stations across the US serving communities with significant Native populations.
October 28, 2003, 1 hour.
(2) ‘Native America Calling’, Native American Public Telecommunications Radio, University of New Mexico “Talking Circle: The Dangers of Detecting Breast Cancer” October 15, 2002. 1 hour.

- g. Representative to the National Colorectal Cancer Roundtable Group Meeting, from the Network for Cancer Control Among American Indians and Alaskan Natives 2003-2005.

3. **1996-2014: Native CIRCLE (consultant and advisor)** (Cancer Information Resource Center and Learning Exchange) is a Cancer Library at Mayo Clinic, Rochester provides culturally appropriate cancer education materials for patients, and clinicians in Native communities. Consultant in the grant writing, developing the name, and contributor of digital educational cultural resources.

Four culturally sensitive interactive digital educational programs:

- a. Breast Cancer Detective Game, Native Version for HealthCare Providers (2002)
- b. Breast Cancer Detective Game, Native Version for Patients (2004)
- c. Breast Care Bingo Game, for patient and nursing education (2003)
- d. Breast Health Advisor Game, for patient education (2004)

CDs distributed by Native Circle and the American Cancer Society of Wisconsin, and used at Native American cancer conferences.

1. Community Service to the Indian Health Service: Mammographer for College of American Pathology 'See, Test, Treat' programs: funded by the American Cancer Society Midwest Division and Wellmark Foundation, with the Aberdeen Area Indian Health Service. Volunteers included pathologists, cytotechnologists, obstetrician/gynecologists, radiologists, mammogram technologists, nurses.
 - a. April 25-26, 2003 Standing Rock Reservation, Fort Yates, ND,
 - b. June 6-7, 2003, Rosebud Clinic Women's Wellness Clinic:
 - c. June 14-16, 2004 Rosebud Clinic Women's Wellness Clinic
2. Presentation: March 24, 2005: Native Outreach Program, Huntsman Cancer Center, Salt Lake City, Utah. Development of Computer Games to Teach Breast Cancer Screening to Native Women and Health Providers.

2016: 10/25/16 – "Breast Cancer Awareness." Featured expert guest on "Native America Calling" Radio Program. 1 hour, national, live, call in program broadcast over 70 stations and focused on Native topics and issues.

Consulting Positions

1. Grant Reviewer for California Breast Cancer Grant Program, University of California at Berkeley, San Francisco, CA, April 21-22 1999, and March 17, 2001.
2. Consultant, Susan G. Komen Foundation. Multicultural Issues of Breast Cancer Meeting. Dallas, TX, May 12-13, 1999.
3. Grant Reviewer for Small Grant program funded under the Native American and Alaska Native Cancer Awareness Initiative, NIH Special Populations Grant. October, 2000 and April 8, 2001.
4. Contributing Editor, Women's Oncology Review. 2001-2003.
5. Consultant to Michigan State Medical Board for Breast Imaging, 2001-2002.

6. Department of Radiology, Alaska Native Medical Center, Anchorage Alaska . Breast Imaging Review July 14, 2005.
7. Editor, McKesson Patient Education Materials about Breast Cancer. 2005-2006.
8. Consultant/Clinical Advisor, Delphinus Medical Technologies, Inc., Plymouth, MI. 09/13 – present.

Visiting Professorships, Seminars, and Extramural Invited Presentations

Scientific Presentations at National Meetings

*Presenter, •Author in training

1. **Roubidoux MA***, Dunnick NR, Svetkey L, Newman GE, Cohan RH, Kadir S, Klotman P. Prediction of Renovascular Hypertension by Captopril Stimulated Renal Vein Renin Ratios, Radiological Society of North America. 1989.
2. **Roubidoux MA***, Dunnick NR, Spritzer C, Leder RA, Sostman HD. Venous Extension of Renal Adenocarcinoma: Utility of Gradient Recalled Echo MR Imaging. Radiological Society of North America. 1990.
3. **Roubidoux MA***, Weber TM, Dunnick NR. Appearance of the Kidneys, Liver, and Spleen in Paroxysmal Nocturnal Hemoglobinuria by Magnetic Resonance Imaging. American Roentgen Ray Society. 1992.
4. Weber TM*, Dunnick NR, Robertson CN, Paulson DF, Leder RA, **Roubidoux MA**. Prostate Cancer Detection: Comparison of Transrectal Ultrasound, Digital Rectal Examination and Prostate Specific Antigen. American Roentgen Ray Society. 1992.
5. Leder RA*, **Roubidoux MA**, Paulson EK, Dunnick NR. CT of Renal Infectious Disease: Diagnosis/Differential Diagnosis. American Roentgen Ray Society. 1992.
6. Dunnick NR*, Gunnells JC, Leight GS, Leder RA, **Roubidoux MA**, Paulson EK, Kurylo L. Primary Aldosteronism: CT Evaluation. American Roentgen Ray Society. 1992.
7. **Roubidoux MA**. Moderator, Scientific Session Chest - New Techniques. American Roentgen Ray Society. 1994.
8. Carson PL*, Moskalik A, Meyer CR, Fowlkes JB, Pallister JE, **Roubidoux MA**, Helvie MA, Rubin JM. 3D Color Flow Multimode and Compound Imaging for Visualization and Quantification of Breast Vasculature and Other Structures. 36th Annual Meeting of the American Association Physicists in Medicine. July 24-28, 1994.
9. Moskalik A*, Carson PL, Meyer CR, Fowlkes JB, Rubin JM, Pallister JE, **Roubidoux MA**. Refraction and Motion Correction for 3D Imaging of the Breast with Compounding for Comparison of Follow-up Studies. Nineteenth International Symposium on Ultrasonic Imaging and Tissue Characterization, Arlington, VA. June 6-8, 1994.

10. **Roubidoux MA***, Paramagul C, Helvie MA. Role of Mammography in the Detection of Contralateral Breast Cancer in Women with Bilateral Breast Cancer. Radiologic Society of North America. November, 1994.
11. Lai NE* (MSIV), **Roubidoux MA**, Paramagul C, Helvie MA. Mammographic Appearance and Pathologic Findings of Bilateral Breast Cancer. American Roentgen Ray Society. April, 1995.
12. Paramagul C, **Roubidoux MA***, Helvie MA, Lai NE (MSIV). Mammographic and Pathologic Appearances of Bilateral Breast Cancers: Comparison Between Synchronous and Metachronous Breast Cancers. American Roentgen Ray Society. April, 1995.
13. Govil A*, Carson PL, Moskalik AP, Fowlkes JB, **Roubidoux MA**, Helvie MA, Rubin JM. 3D Blood Velocity and Signal Power for Breast Cancer Discrimination. American Association of Physicists in Medicine. July 21-25, 1995.
14. Pallister J*, Carson PI, Govil A, Fowlkes J, Moskalik A, **Roubidoux MA**, Helvie M, Rubin J. 3D ROI Analysis for Frequency Shift and Power Doppler Breast Vascularity Quantification. American Association of Physicists in Medicine and Health Physics Society. July 23-27, 1995.
15. Carson PL*, Govil A, Moskalik AP, **Roubidoux MA**, Helvie MA, Adler DD, Fowlkes JB, Rubin JM. Lessons from Digital Vascularity Measures in 3D Power Mode Images of Breast Masses. 9th International Congress on the Ultrasonic Examination of the Breast, Indianapolis, IN. September 28-October 1, 1995.
16. Carson PL*, Moskalik AP, Govil A, **Roubidoux MA**, Helvie MA, Adler DD, Fowlkes JB. Ultrasonic Vascularity Assessment Principles. 9th International Congress on the Ultrasonic Examination of the Breast, Indianapolis, IN. September 28-October 1, 1995.
17. **Roubidoux MA**. Moderator, Research Presentations, American Indian Society of Science and Engineering, Detroit, MI. November 10, 1995.
18. Govil A*, Moskalik AP, Fowlkes JB, Carson PL, **Roubidoux MA**, Helvie MA, Rubin JM. Blood Velocity and Signal Power: Discrimination of Malignant and Benign Breast Masses. American Institute of Ultrasound in Medicine. March 17-20 1996.
19. Carson PL*, Govil A, **Roubidoux MA**, Helvie MA, Adler DD, Moskalik AP, Fowlkes JB. 3D Ultrasound Power Mode Displays for Discrimination of Benign and Malignant Breast Masses. American Institute of Ultrasound in Medicine. March 17-20 1996. (Featured in report in *OB/GYN News*, 5/1/1996.).
20. Rochester A* (MSII), **Roubidoux MA**, Michael C, Helvie MA. Mammographic Location of Small Ductal Carcinomas In Situ. Association of University Radiologists. Birmingham, AL. April 19, 1996.
21. **Roubidoux MA**. Moderator, Scientific Session - Breast Biopsies. American Roentgen Ray Society, San Diego, CA. May 9, 1996.
22. **Roubidoux MA***, Helvie MA, Paramagul C. Histologic Findings in Lesions Detected by Mammography in the Contralateral Breast in Women with Breast Cancer. American Roentgen Ray Society, San Diego, CA. May 9, 1996.

23. Govil A, Carson PL*, Moskalik AP, Fowlkes JB, **Roubidoux MA**, Helvie MA, Rubin JM. 3D Blood Velocity and Signal Power for Breast Cancer Discrimination, American Association of Physicists in Medicine, Philadelphia, PA. July 21-25.
24. Chan H*, Sahiner B, Petrick N, Wilson T, **Roubidoux MA**, Adler DD. Observer Performance Study of Radiologists Identifying Mammographic Masses and Comparison with Computerized Classification. RSNA, Chicago, IL. December 5, 1996.
25. Rochester AB* (MSIII), **Roubidoux MA**, Helvie MA, Paramagul CP. Mammographic Lesions in the Contralateral Breast of Patients with Breast Cancer. RSNA, Chicago, IL. December 6, 1996.
26. Helvie MA*, **Roubidoux MA**, Merajver SD. Mammography of Breast Carcinoma in BRCA1 Carriers: Initial Experience. RSNA, Chicago, IL. December 6, 1996.
27. **Roubidoux MA**, Pollak EW* (MSII), Helvie MA. Clinical Risk Factors in Patients with Breast Cancer Ages 40-49. Association of University Radiologists, Dallas, TX. April 10, 1997.
28. **Roubidoux MA**, Rochester AB* (MSIII), Blane CE, Fitzgerald JT, Bowerman R, et al. Value of Radiology Case of the Week Presentations for Medical Students. Association of University Radiologists, Dallas TX. April 13, 1997.
29. **Roubidoux MA***, Kaur JS, Giroux J (MSIV). Mammographic Findings and Family History Risk in Sioux Women. 6th Biennial Symposium on Minorities, the Medically Underserved and Cancer, Washington, D.C. April 24, 1997.
30. Pollak, EW (MSII), **Roubidoux MA***, Helvie MA. Screening Mammography and Screening Intervals in Stage of Breast Cancer in Patients 40-49 Years of Age. American Roentgen Ray Society. May 5, 1997.
31. Fenn RC (MSI), Fowlkes JB, **Roubidoux MA**, Moskalik A, Carson PL. A Miniature Position Encoding System for Flexible Hand Controlled, 3D Ultrasound. AIUM. March 17-20, 1997.
32. Fenn RC* (MSI), Fowlkes JB, Moskalik AP, Zhang Y, **Roubidoux MA**, Carson PL. A Hand Controlled, 3-D Ultrasound Guide and Measurement System. 23rd International Symposium Acoustical Imaging, Boston, MA. May 1997.
33. Wilson TE*, **Roubidoux MA**, Orange R (MSIV), Lee JJ (MSI), Helvie MA. Estrogen Replacement Therapy and Post Menopausal Women: Effect on Positive Predictive Value of Screening Mammography. American Roentgen Ray Society. May 5, 1997.
34. Wilson TE*, Wallace C, Helvie MA, Sonnad SS, **Roubidoux MA**. Patients' Satisfaction with the Delivery of Mammographic Services: Immediate (On-line) Interpretation Versus Delayed (Off-Line) Reading. American Roentgen Ray Society. May 5, 1997.
35. Jing JM*, Kawashima A, Sandler CM, Dunnick NR, **Roubidoux MA**, Raval B, Goldman SM. CT of Adrenal Hematomas: Review of 35 Cases. American Roentgen Ray Society. May 6, 1997.

36. **Roubidoux MA**, Moderator, Scientific Session, Breast Malignancies. American Roentgen Ray Society. May 5, 1997.
37. Kaur JS*, **Roubidoux MA**, Sloan J. Clinical and Mammographic Correlates of Breast Disease in Sioux Women. American Society of Clinical Oncology, Denver CO. May 20, 1997.
38. Carson PL*, Fowlkes JB, **Roubidoux MA**, Moskalik AP, LeCarpentier GL, Helvie MA. Basic Advances in 3D Ultrasound Imaging of the Breast Including Vascularity Analysis and Ductography, U.S. Army Breast Cancer Research Program, Chicago, IL. October 31- November 4, 1997.
39. Kaur JS*, **Roubidoux MA***, Sloan J. Clinical and Mammographic Correlates of Breast Disease in Sioux Women. North Central Cancer Treatment Group Meeting, Rochester, MN. Oct 31, 1997.
40. LeCarpentier GL*, Moskalik AP, **Roubidoux MA**, Carson PL. 3D Tracking and Display of Mammary Ducts. 83rd Scientific Assembly of the Radiological Society of North America, Chicago, IL. November 30- December 5, 1997.
41. Meyer CR*, LeCarpentier GL, **Roubidoux MA**, Boes JL, Fowlkes JB, Kim B, Bland PH, Carson PL: Automated Co-registration of three-dimensional ultrasound volumes by mutual information: Sequential Examples of Breast Masses. AIUM. March 1998.
42. Helvie MA*, Wilson TE, **Roubidoux MA**, Wilkins E, Chang A. Mammographic Appearance of Recurrent Breast Carcinoma in TRAM Flap Breast Reconstructions. American Roentgen Ray Society, San Francisco, CA. April 30, 1998.
43. Carlson KL*, Helvie MA, **Roubidoux MA**, Pollock EW (MSII), Rochester AB (MSIII). Influence of Screening Intervals on Size and Grade of Mammographically Detected DCIS. American Roentgen Ray Society, San Francisco, CA. April 30, 1998.
44. Sahiner B, LeCarpentier GL, Chan HP, **Roubidoux MA**, Petrick N, Goodsitt MM, Gopal SS, Carson PL. Computerized Characterization of Breast Masses Using Three-Dimensional Ultrasound Images. Proceedings of the SPIE-Medical Imaging. 1998.
45. **Roubidoux MA***, Wilson TE, Orange RJ (MSIV), Fitzgerald JT, Helvie MA, Packer SA. Relationship of Hormone Replacement Therapy to Stage and Method of Detection of Breast Cancer in Screened Women. American Roentgen Ray Society, San Francisco, CA. April 30, 1998.
46. Rochester AB* (MSIV), **Roubidoux MA**, Blane CE, Fitzgerald JT, Bowman R. Limitations of Student Evaluations of Curriculum. Association of University Radiologists. March 30, 1998.
47. Chan HP*, Helvie MA, Petrick N, Sahiner B, **Roubidoux MA**, Wilson TE, Joynt LK, Hadjiiski LM, Paramagul C, Adler DD, Goodsitt MM. Digital Mammography: Observer Performance Study of the Effects of Pixel Size on Radiologists' Characterization of Malignant and Benign Microcalcifications. Presented at the SPIE International Symposium on Medical Imaging, San Diego, CA. February 20-26, 1999.

48. Tridandapani PB, LeCarpentier GL*, **Roubidoux MA**, Helvie MA, Fowlkes JB, Carson PL. Enhanced Discrimination of Breast Cancer Using Doppler Ultrasound Imaging, AIUM. March 14-17, 1999.
49. Kaur JS, **Roubidoux MA***, Sloan JA, Novotny PJ, Lobell M. Clinical and Mammographic Breast Cancer Risk Factors in Four Native American Populations. Workshop on Multicultural Aspects of Breast Cancer, National Action Plan on Breast Cancer, Washington D.C. March 18, 1999.
50. **Roubidoux MA***, Kaur JS, Sloan JA, Novotny PJ, Lobell M. Mammographic Density and Diabetes in Southwestern American Indian Women. Network For Cancer Control in American Indians and Alaska Natives, Semi Annual Meeting, Washington, D.C. April 9, 1999.
51. **Roubidoux MA***, Kaur JS, Sloan JA, Novotny PJ, Lobell M. Mammographic Density and Diabetes in Southwestern American Indian Women. Indian Health Service Research Conference, Albuquerque, NM. April 25, 1999.
52. **Roubidoux MA***, Co-Moderator, Scientific Session, Breast Biopsies. American Roentgen Ray Society. May 10, 1999.
53. Bailey JE*, **Roubidoux MA**, Helvie MA, Hadjiiski LM. Does Obesity Affect Breast Cancer Stage? Findings in Women Who Undergo Annual Screening Mammography. American Roentgen Ray Society. May 12, 1999.
54. Chan HP*, Sahiner B, Helvie MA, Petrick N, Hadjiiski LM, **Roubidoux MA**. Performance Evaluation of an Automated Microcalcification Detection System. 41st Annual Meeting of the American Association of Physicists in Medicine, Nashville, TN. July 25-29, 1999.
55. Sahiner B*, Chan HP, LeCarpentier, Petrick NA, **Roubidoux MA**, Carson PL, et al. Computerized Characterization of Solid Breast Masses Using Three-dimensional Ultrasound Images. Presented at the 85th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 28-December 3, 1999.
56. Chan HP*, Sahiner B, Helvie MA, Petrick NA, Hadjiiski LM, **Roubidoux MA**. Computer-aided Breast Cancer Diagnosis: Comparison of Computerized Classification with Radiologists' Performance. Presented at the 85th Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 28-December 3, 1999.
57. **Roubidoux MA***, Chapman C. Development of a Web-Based Computer Instructional Game for Fourth Year Medical Students in Breast Imaging. Medical Education Scholars Program, University of Michigan Medical Center. Feb 28, 2000.
58. DiPonio EC* (MSIV), **Roubidoux MA**, Klein K*. The Relationship of Mammographic Density to Surgical Outcome and Histologic Findings in Patients with Ductal Carcinoma in Situ. Association of University Radiologists, Orlando, FL. April 6, 2000.
59. Saunders N* (MSII), **Roubidoux MA**, Gest T. Computer Instructional Program in Radiology and Anatomy. Association of University Radiologists, Orlando, FL. April 8, 2000.
60. LeCarpentier GL*, **Roubidoux MA**, Kruecker JF, Carson PL, Fowlkes JB. Preliminary Observations on Correlations of Volume and Vascularity Measurements of Breast Cancer

During Neoadjuvant Chemotherapy. American Institute of Ultrasound in Medicine, San Francisco, CA. April 2, 2000.

61. LeCarpentier GL*, Bhatti PT, **Roubidoux MA**, Fowlkes JB, Helvie MA, Thorson N, Carson PL. Three Dimensional Color Doppler Imaging and Gray Scale Assessment in Discriminating Benign Versus Malignant Breast Lesions. American Institute of Ultrasound in Medicine, San Francisco, CA. April 4, 2000.
62. Joynt LK*, Helvie MA, **Roubidoux MA**, Tseng M, Kleer C, Merajver S. Breast Tumors in Immunosuppressed Organ Transplant Recipients. American Roentgen Ray Society Meeting, Washington, D.C. May 2000.
63. Helvie MA*, Chenevert TL, **Roubidoux MA**, Betley AT. Dynamic 3-D Keyhole Breast MRI: Accuracy in Detection and Characterization of Breast Lesion. American Roentgen Ray Society Meeting, Washington, D.C. May 2000.
64. **Roubidoux MA***, Bailey JE, Helvie MA, Wray LA. Invasive Cancers Detected Subsequent to Negative Breast Cancer Screening: Relationship of Mammogram Density to Tumor Prognostic Factors and to Method of Detection. American Roentgen Ray Society Meeting, Washington, D.C. May 2000.
65. Martin KE*, Helvie MA, Zhou C, **Roubidoux MA**, Bailey JE, Paramagul C, Chan HP. Automated Computer Aided Quantitative Assessment of Mammographic Density: a Validation Study. American Roentgen Ray Society Meeting, Washington, D.C. May 2000.
66. **Roubidoux MA**. Moderator, Scientific Session: Breast Ultrasound and MRI. American Roentgen Ray Society Meeting, Washington, D.C. May 2000.
67. LeCarpentier GL*, **Roubidoux MA**, Bhatti PT, Fowlkes JB, Thorson N, Engle K, Carson PL. A prospective Study of a Frequency Shift Color Doppler Ultrasound Index in the Determination of Benign Versus Malignant Breast Lesions. World Congress on Medical Physics and Biomedical Engineering, Chicago, IL. July 26, 2000.
68. Kaur JS*, **Roubidoux MA**, Sloan J, Novotny P. Biological Risks for Breast Cancer in American Indian and Alaska Native Women. 7th Research Centers in Minority Institutions, International Symposium on Health Disparities, San Juan, Puerto Rico. Nov. 14, 2000.
69. **Roubidoux MA***, Engle K, Fowlkes JB, LeCarpentier GL, Carson PL, Wray L., Three Dimensional Color Doppler Imaging of Breast Masses: Variation with Menopausal Status. Radiological Society of North America, Chicago, IL. Nov 29, 2000.
70. Carson PL*, Krucker J, LeCarpentier GL, **Roubidoux MA**, Fowlkes JB. 3D Registration of Serial and Compound Breast Ultrasound. British Medical Ultrasound Society Meeting, Eastbourne, UK. Dec 4, 2000.
71. LeCarpentier GL*, **Roubidoux MA**, Fowlkes JB, Kruecker JF, Thorson NJ, Engle KD, Carson PL. Validation and Assessment of 3D Doppler Ultrasound Indices in the Classification of Suspicious Breast Lesions. AIUM 45th Annual Convention, Orlando, FL. March 11-14, 2001.

72. Paramagul CP*, Helvie MA, **Roubidoux MA**. Outcome Analysis of Women Electing Observation Management after LCIS Diagnosis: Role of Mammography and Clinical Breast Examination. Roentgen Ray Society, Seattle, WA. May 3, 2001.
73. Shen JP*, Helvie MA, **Roubidoux MA**, Londy F, Krishnan, Chenevert T. Utilization of Dynamic MRI to Detect Breast Cancer in Women with Silicone Breast Implants. Roentgen Ray Society, Seattle, WA. May 3, 2001.
74. **Roubidoux MA**. Moderator, Scientific Session, "Breast Biopsies." Roentgen Ray Society, Seattle, WA. May 1 2001.
75. Guest AB*, **Roubidoux MA**, Helvie MA. Is Definitive Surgical Treatment of DCIS Affected by Method of Image-guided Biopsy? Radiological Society of North America 87th Scientific Assembly and Annual Meeting, Chicago IL. November 2001.
76. **Roubidoux MA***, LeCarpentier GL, Fowlkes JB, Hunt KA, Paramagul CP, Carson PL. Quantitative 3-D Color Doppler Imaging of Breast Masses. Radiological Society of North America 87th Scientific Assembly and Annual Meeting, Chicago IL. November 2001.
77. LeCarpentier GL*, **Roubidoux MA**, Kruecker JF, Thorson NJ, RDMS, RT, Meyer CR, Carson PL. Ultrasound Volume and Vascularity Measurements of Breast Cancer During Neoadjuvant Chemotherapy. Radiological Society of North America 87th Scientific Assembly and Annual Meeting, Chicago IL. November 2001.
78. LeCarpentier GL*, **Roubidoux MA**. On the Role of 3D Doppler Imaging in Characterization of Suspicious Breast Masses: Is Blood Flow Velocity Required? AIUM 46th Annual Convention, Nashville, TN. March 10-13, 2002.
79. **Roubidoux MA***, Chapman CM, Piontek M, Gruppen. LD. Interactive Web-based Game for Instruction of Medical Students in Breast Imaging. Association of University Radiologists, Phoenix, AZ. April 17-20, 2002.
80. **Roubidoux MA**. Moderator, Scientific Presentations, Breast Imaging. Association of University Radiologists, Phoenix, AZ. April 19, 2002.
81. Hunt K*, Paramagul C, **Roubidoux MA**, Helvie MA, Bailey J, Hoff D, Joynt L, Klein K, Patterson S, Adler D. The Utility of Breast Ultrasound in Distinguishing Benign and Malignant Solid Breast Masses. Annual Meeting American Roentgen Ray Society, Atlanta, GA. April 28-May 3, 2002.
82. **Roubidoux MA***, Smith LB (MSIV), LeCarpentier GL, Fowlkes JB, Helvie MA, Carson PL, Thorson N. Quantitative 3-D Ultrasound of Breast Cancer Vascularity: Correlation With Axillary Lymph Node Status. American Roentgen Ray Society, Atlanta, GA. April 28-May 3, 2002.
83. Ramachandran A*, Sahiner B, Chan H-P, Helvie M, Hadjiiski L, **Roubidoux MA**, Zhou C. Computerized Segmentation and Characterization of Solid Breast Masses on Three-Dimensional Ultrasound Images. University of Michigan Fall Cancer Symposium, Ann Arbor, MI. October 31, 2002.

84. Sahiner B*, Ramachandran A, **Roubidoux MA**, Chan HP, Hadjiiski LM, Helvie MA, LeCarpentier GL. Computerized analysis of solid masses in 3D ultrasound volumes for breast cancer diagnosis. Era of Hope Meeting, U.S. Army Medical Research and Materiel Command, Department of Defense, Breast Cancer Research Program, Orlando, FL. September 25-28, 2002.
85. Wei J*, Chan HP, Helvie MA, Hadjiiski LM, Sahiner B, **Roubidoux MA**. Breast Density Estimation on Mammograms and MR Images: A Tool for Assessment of Breast Cancer Risk. Radiology Society of North America. December 5, 2002.
86. Sahiner B*, Ramachandran A, Chan HP, Hadjiiski LM, **Roubidoux MA**, Helvie MA, Paramagul C, Nees A, Blane C, Petrick N, Zhou C. Three-dimensional Active Contour Model For Characterization of Solid Breast Masses On Three Dimensional Ultrasound Images. 2003 SPIE Medical Imaging Conference, San Diego, CA. February 15-20, 2003.
87. Hadjiiski LM*, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**, Blane C, Paramagul C, Petrick N, Bailey J, Klein K, Foster M, Patterson S, Adler D, Nees A, Shen J. "ROC study: effects of computer-aided diagnosis on radiologists' characterization of malignant and benign breast masses in temporal pairs of mammograms." SPIE Medical Imaging Conference, San Diego, CA, February 2003.
88. Rochester-Guest AB*, Riba M, **Roubidoux MA**, Bailey J, Klein K, Weaver J. An Educational Module for Radiology Residents on "Breaking Bad News." AUR Annual Meeting, Miami, Florida. May, 2003.
89. **Roubidoux MA***, Helvie MA, Paramagul C, Klein KA, Thorson NJ, Schott AF, Hunt KA. Neoadjuvant Chemotherapy: Comparison of Imaging Methods Using Mammography, MR Imaging, and 3D Ultrasound. ARRS 103rd Annual Meeting, San Diego. May 4-9, 2003.
90. Klein KA, Kamaya A*, Helvie MA, **Roubidoux MA**, Paramagul C, Thorson N, Schott A. Mammographic Evaluation of Early Stage Breast Carcinoma Before and After Neoadjuvant Chemotherapy. ARRS 103rd Annual Meeting, San Diego CA. May 4-9, 2003.
91. **Roubidoux MA**, Packer SA, Klein KA*, Paramagul C, Helvie MA. 3D Ultrasound of Breast Tumors in Patients Who Undergo Neoadjuvant Chemotherapy. AIUM, Montreal, Canada. June 3, 2003.
92. Paramagul C*, Helvie MA, **Roubidoux MA**, Klein K. Screening Mammography some Differences between Off-Line (Next Day) and On-Line (Same Day) Reading. ARRS 103rd Annual Meeting, San Diego, CA. May 8, 2003.
93. **Roubidoux MA***, Sabel MS, Klein KA, Bailey JE, Helvie MA, LeCarpentier LE. Ultrasound-guided Cryoablation of Breast Malignancies. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.
94. Chan HP*, Wei J, Zhou C, Helvie MA, **Roubidoux MA**, Bailey JE. Comparison of Mammographic Density Estimated on Digital Mammogram and Screen-Film Mammograms. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.

95. Hadjiiski LM*, Chan HP, Sahiner B, Zhou C, Helvie MA, **Roubidoux, MA**. Computerized Regional Registration of Corresponding Masses and Microcalcification Clusters on Temporal Pairs of Mammograms for Interval Change Analysis. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.
96. Rochester Guest AB*, Helvie MA, **Roubidoux MA**, Sabel MS, Chang AE, Kleeer CG. Incremental Breast Cancer Detection and Patient Management Changes as a Result of Breast Imaging Consultation at an Academic Comprehensive Breast Care Center. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.
97. Sahiner B*, Chan HP, Hadjiiski LM, Helvie MA, **Roubidoux, MA** Petrick NA. Computerized Detection of Microcalcifications on Mammograms: Improved Detection Accuracy by Combining Features Extracted from Two Mammographic Views. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.
98. Sahiner B*, Chan HP, **Roubidoux MA**, Helvie MA, Bailey JE, Hadjiiski LM. An ROC Study on Characterization of Malignant and Benign Breast Masses in 3D Ultrasound Volumes: The Effect of Computer-Aided Diagnosis on Radiologists' Characterization Accuracy. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL. November 2003.
99. Hadjiiski LM*, Chan HP, Sahiner B, Zhou C, Helvie MA, **Roubidoux MA**. Computerized Regional Registration of Corresponding Masses and Microcalcification Clusters on Temporal Pairs of Mammograms for Interval Change Analysis. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago, IL. November 2003.
100. Hadjiiski LM*, Helvie MA, Sahiner B, Chan HP, **Roubidoux MA**, et al. ROC Study of the Effects of Computer-Aided Interval Change Analysis on Radiologists' Characterization of Breast Masses in Two-View Serial Mammograms. SPIE Medical Imaging Conference, San Diego, CA. February 2004.
101. Chan HP*, Goodsitt M, Helvie MA, Hadjiiski LM, Lydick JT, **Roubidoux MA**, Bailey J, Nees A, Blane C, Shen J, Foster M, Sahiner B. Assessment of Breast Lesions on Stereoscopic and Monoscopic Digital Specimen Mammograms; an ROC Study. SPIE International Symposium on Medical Imaging, San Diego, CA. February 14-19, 2004.
102. Arnold AC* (MSIV), Hadjiiski L, Sahiner B, **Roubidoux MA**, Chan HP, Helvie MA. Evaluation Tool for Mammogram Mass Characterization Using Computer Assisted Diagnosis. Association of University Radiologists, San Francisco, CA. April 22, 2004.
103. Pai DR* (MSIV), **Roubidoux MA**, Bartz BH (MSII), Carpentier GL, Schott AF, Koker M. Correlation Between Ultrasonographic and Histopathologic Characterization of Carcinomatous Breast Masses Post-Neoadjuvant Chemotherapy. Association of University Radiologists, San Francisco, CA. April 22, 2004.
104. Paramagul C*, Foster M, Mueller G, Helvie MA, **Roubidoux MA**, Hadjiyski L, Chenevert T, Schott A. Geographic Variability of Kinetic Enhancement of Primary Breast Carcinoma. American Roentgen Ray Society 104th Annual Meeting, Miami Beach, FL. May 2-7, 2004.

105. Nees, AV, Arnold A MSIV, Hadjiiski L*, **Roubidoux MA**, Sahiner B, Chan HP. Evaluation of the Characterization of Mammographic Masses in Two-View Temporal Pairs by Inexperienced Observers With and Without the Use of Computer-Assisted Diagnosis. Presented at the 7th International Workshop on Digital Mammography. IWDM-2004. Chapel Hill, NC. June 18-21, 2004.
106. Helvie MA, **Roubidoux MA**, Fowlkes JB, Carson PC. Combined Digital Mammography/Automated 3D Whole Breast Ultrasound System for Breast Imaging: Patient Acceptance of Prototype Scanning System. RSNA, Chicago, IL. Dec 3, 2004.
107. Chan HP, Wei J, Sahiner B, Rafferty EA, Wu T, Ge J, **Roubidoux MA** Moore RH, Kopans DB, et al. Computer aided Detection on Digital Breast Tomosynthesis Mammograms: Comparison of Two Approaches. RSNA, Chicago IL. Nov 30, 2004.
108. Nees AV, Helvie MA, Patterson S, **Roubidoux MA**, Newman L. Pre-Operative Staging of the Axilla in Women Recently Diagnosed with Breast Cancer: Accuracy of Axillary Ultrasound and Ultrasound guided Fine Needle Aspiration. RSNA, Chicago IL. Nov 29, 2004.
109. Hadjiiski L, Chan HP, **Roubidoux MA**, Helvie MA, Sahiner B, Zhou C. Analysis Based on Computerized Regional Registration of Corresponding Microcalcification clusters on Temporal Pairs of Mammograms. RSNA, Chicago IL. Nov 30, 2004.
110. Wei J, Sahiner B, Hadjiiski LM, Chan HP, Helvie MA, **Roubidoux MA**. CAD system for Improvement of Mass Detection on Mammograms. RSNA, Chicago IL. Dec 1, 2004.
111. Sahiner S, Chan HP Hadjiiski LM, **Roubidoux MA** Helvie MA. The effect of a MultiModality Computer Classifier on Radiologists Accuracy in Characterizing Breast Masses Using Mammograms and Volumetric Ultrasound Images: An ROC Study. RSNA, Chicago IL. Nov 30, 2004.
112. Booi R, LeCarpentier GL, **Roubidoux MA**, Kapur A, Erkamp R, Carson P. Quantitative Contrast Analysis of in Vivo Ultrasound Imaging: A Study with a Combined 3D Ultrasound/Digital Mammography System. RSNA, Chicago IL. Dec 2, 2004.
113. Hadjiiski LM, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**. Effects of the continuous and discrete confidence rating scales in ROC observer studies. Presented at the SPIE International Symposium on Medical Imaging, San Diego, CA. February 12-17, 2005.
114. Wei J, Sahiner B, Hadjiiski LM, Chan HP, Helvie MA, **Roubidoux MA**, Petrick N, Zhou C, Ge J. Computer aided detection of breast masses on mammograms: performance improvement using a dual system. Presented at the SPIE International Symposium on Medical Imaging, San Diego, CA. February 12-17, 2005.
115. **Roubidoux MA**, Sahiner B, LeCarpentier GL, Chan HP, Hadjiisky L. Characterization of Breast Lesions by Ultrasound: Science versus Art? Association of University Radiologists 53rd Annual Meeting, Montreal, Quebec, Canada. May 4-7, 2005.
116. Hryhorczuk AL, **Roubidoux MA**, LeCarpentier G, Klein KA, Paramagul C, Carson PL. Comparison of Breast Mass Characterization and Overall Image Quality Using Handheld versus Semiautomatic Ultrasound. Association of University Radiologists 53rd Annual Meeting, Montreal, Quebec, Canada. May 4-7, 2005, #02-10.

117. Wei J, Sahiner B, Hadjiiski LM, Chan HP, Helvie MA, **Roubidoux MA**. A dual system for improvement of computer-aided mass detection on mammograms. Poster presentation at the U. S. Army Medical Research and Materiel Command, Department of Defense, Breast Cancer Research Program, Era of Hope 2005 Meeting, Philadelphia, PA. June 8-11, 2005.
118. Sahiner B, Chan HP, Hadjiiski LM, **Roubidoux MA**, Paramagul C, Helvie MA. Computer-aided multi-modality breast mass characterization. Poster presentation at the U. S. Army Medical Research and Materiel Command, Department of Defense, Breast Cancer Research Program, Era of Hope 2005 Meeting, Philadelphia, PA. June 8-11, 2005.
119. Hadjiiski LM, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**, Zhou C. Interval change analysis of corresponding clustered microcalcifications on serial mammograms based on automated regional registration. Platform and poster presentation at the U. S. Army Medical Research and Materiel Command, Department of Defense, Breast Cancer Research Program, Era of Hope 2005 Meeting, Philadelphia, PA. June 8-11, 2005.
120. Booi R, Carson P, Erkamp R, Xie H, Kapur A, LeCarpentier G, **Roubidoux M**, Fowlkes JB, O'Donnell M. Applying *In Vitro* Elasticity Imaging Results to Optimize *In Vivo* Breast Lesion Characterization using a Combined 3D US/Digital X-ray System. 2005 IEEE International Ultrasonics Symposium. Sept. 18-21. Rotterdam, program and abstracts Presentation 1G_1, pg. 421-22 and poster PS_5, pg. 36-7.
121. Booi R, Carson P, Erkamp R, Xe H, LeCarpentier G, **Roubidoux M**, Fowlkes JB, O'Donnell MA. *In Vivo* Breast Elasticity Imaging using a Combined 3D US/Digital X-ray System. Biomedical Engineering Society, Baltimore, MA. Sept 28-Oct 1, 2005.
122. Sinha SP, **Roubidoux MA**, Goodsitt MM, LeCarpentier GL, Zabuwalla SI, Lashbrook CR, Carson PL. Biomedical Engineering Society, Baltimore, MD. September 28-October 1, 2005.
123. Hadjiiski LM, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**, Zhou C. Automated Regional Registration and Classification of Corresponding Microcalcification Clusters on serial Mammograms. Radiological Society of North America 91st Scientific Assembly and Annual Meeting, Chicago, IL. November 27-December 2, 2005.
124. Nees AV, Helvie MA, **Roubidoux MA**, Leiman G. Comparison of Axillary Ultrasound in Diagnosis of Metastatic Disease in Patients with Invasive Ductal Carcinoma and Invasive Lobular Carcinoma. Radiological Society of North America 91st Scientific Assembly and Annual Meeting, Chicago, IL. November 27-December 2, 2005.
125. Goodsitt MM, **Roubidoux MA**, Erkamp R, Lashbrook CR, Sinha SP, LeCarpentier GL. Ultrasound Coverage for a Combined 3D X-Ray/Ultrasound Breast Imaging System. Radiological Society of North America 91st Scientific Assembly and Annual Meeting, Chicago, IL. November 27-December 2, 2005.
126. Booi RC, O'Donnell M, Erkamp R, **Roubidoux MA**, Chalek C, Carson PL. Consequences of Chest Wall Motion on Ultrasonic Elasticity Imaging of the Breast. Radiological Society of North America 91st Scientific Assembly and Annual Meeting, Chicago, IL. November 27-December 2, 2005.

127. Carson PL, **Roubidoux MA**, LeCarpentier GL, Goodsitt MM, Booi RC, Helvie MA. Experience and Impressions from the First 50 Human Breast Studies with Combined X-Ray and Ultrasound. Radiological Society of North America 91st Scientific Assembly and Annual Meeting, Chicago, IL. November 27-December 2, 2005.
128. Chan HP, Wei J, Wu T, Sahiner B, Rafferty EA, Hadjiiski LM, Helvie MA, **Roubidoux MA**, Moore RH, Kopans DB. Computer-aided detection on digital breast tomosynthesis (DBT) mammograms: Dependence on image quality of reconstruction. Presentation at the 91st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 27-December 2, 2005. RSNA Program 2005; 269.
129. Hadjiiski LM, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**, Zhou C. Fully Automated Regional Registration and Classification of Corresponding Microcalcification Clusters on Serial Mammograms. Presentation at the 91st Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 27-December 2, 2005. RSNA Program 2005; 270.
130. Hadjiiski LM, Drouillard D, Chan HP, Sahiner B, Helvie MA, **Roubidoux MA**, Zhou C. Characterization of Corresponding Microcalcification Clusters on Temporal Pairs of Mammograms for Interval Change Analysis - Comparison of Classifiers. Poster presentation at the SPIE International Symposium on Medical Imaging, San Diego, CA. February 11-16, 2006.
131. Eberhard JW, Staudinger P, Smolenski J, Ding J, Schmitz A, McCoy J, Rumsey M, Khalidy A, Ross W, Landberg CE, Carson PL, Goodsitt NN, Chan H-P, Marilyn Roubidoux MA, Thomas JA, Osland A. High-speed large-angle mammography tomosynthesis system, Physics of Medical Imaging, SPIE Symposium on Medical Imaging, San Diego, CA. February 11-16, 2006. Paper 6142-12.
132. Wei J, Sahiner B, Hadjiiski LM, Chan HP, Helvie MA, **Roubidoux MA**, Zhou C, Ge J, Zhang Y. Two-view information fusion for improvement of computer-aided detection (CAD) of breast masses on mammograms. Presentation at the SPIE International Symposium on Medical Imaging, San Diego, CA. February 11-16, 2006.
133. Robbins J, Klein K, **Roubidoux MA**. Gastrointestinal Imaging: A Dynamic Teaching Modality. Association of University Radiologists 54th Annual Meeting, Austin, TX. April 5-8, 2006. (E-118).
134. Klein K, Robbins J, **Roubidoux MA**. Breast Imaging: A Dynamic Teaching Modality. Association of University Radiologists 54th Annual Meeting, Austin, TX. April 5-8, 2006. (E-130).
135. Chan HP, Wei J, Sahiner B, Zhang Y, Hadjiiski LM, Helvie MA, **Roubidoux MA**, Zhou C, Ge J. Recent advances in computer-aided detection of breast cancer on mammograms. Poster presentation at the Peer Reviewed Medical Research Program (PRMRP) Investigators Meeting. Puerto Rico. May 1-4, 2006. Program book p.54.
136. **Roubidoux MA**, Tang T, Patterson S, Yang L. A Survey of Patient Beliefs About Screening Mammography. American Roentgen Ray Society Annual Meeting, Vancouver, BC, Canada. May 4, 2006.

137. Eberhard JW, Staudinger P, Schmitz A, McCoy J, Rumsey M, Landberg CE, Claus B, Carson PL, Goodsitt NN, Chan H-P, **Roubidoux MA**, Thomas JA, Osland A. Rapid Acquisition Tomosynthesis System for 3D Mammography, International Congress on Imaging Science, Rochester. May 7-11, 2006.
138. Carson PL, LeCarpentier GL, Goodsitt MM, Booi BC, Sinha S, Narayanasamy G, Helvie MA, **Roubidoux MA**. Multimodality/Multimode Characterization of Breast Tissues. 31st International Symposium on Ultrasonic Imaging and Tissue Characterization, Arlington. May 24-26, 2006.
139. Eberhard JW, Albagli D, Schmitz A, Claus BEH, Paul Carson PL, Goodsitt MM, Chan HP, **Roubidoux MA**, Thomas JA, Osland J. Mammography Tomosynthesis System for High Performance 3D Imaging. Presentation at the 8th International Workshop on Digital Mammography. IWDM-2006. Manchester, UK. June 18-21, 2006.
140. Chan H-P*, Zhang Y, **Roubidoux MA**, Helvie MA, Goodsitt MM, Carson P, Sahiner B, Hadjiiski L, Wei J. Digital tomosynthesis mammography (DTM): Dependence of reconstruction image quality on number and angular range of projection views. 48th AAPM Annual Meeting, Orlando, FL. July 30-Aug 3, 2006.
141. **Roubidoux MA**, Haugen S, Bailey J, Klein K, Nees A, Paramagul C, Joe, A, Blane C. On-line screening mammography by satellite transmission for rural American Indian women. American College of Radiology: Translating Quality into Economic Viability. Sun Valley, ID. Aug 24, 2006.
142. **Roubidoux MA**, Helvie MA, LeCarpenter G, Goodsitt MM, Chan HP, Carson PL, et al. A Combined Tomosynthesis-Breast Ultrasound System: Initial Results Regarding Coverage and Mass Visibility. Presentation at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 26 - December 1, 2006.
143. **Roubidoux MA**, Russell T, Quisno J, Helvie MA, Dye S, Stayner A, et al. Satellite Transmission of Digital Screening mammograms from American Indian Reservations to an Academic Medical Center: Initial Results. Presentation at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 26-December 1, 2006.
144. Wei J, Sahiner B, Chan HP, **Roubidoux MA**, Helvie MA, Wu Y, et al. Computer-aided Detection of Breast Masses on Mammograms: Performance Improvement Using Two-View Information. Presentation at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 26-December 1, 2006.
145. Hadjiiski L, Chan HP, Sahiner B, **Roubidoux MA**, Helvie MA, Paramagul C, Nees AV, Bailey J, Patterson SK. ROC Study: Effects of Computer-Aided Diagnosis on Radiologists' Characterization of Malignant and Benign Breast Clustered Microcalcifications in Temporal Pairs of mammograms. Presentation at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. November 26-December 1, 2006.
146. Helvie MA, **Roubidoux MA**, Zhang Y, Carson PL, Sahiner B, Chan HP. Tomosynthesis mammography vs conventional mammography: Lesion detection and reader preference – Initial experience. Submitted for presentation at the 92nd Scientific Assembly and Annual

Meeting of the Radiological Society of North America, Chicago, IL. November 26-December 1, 2006.

147. Chan H, Wei J, Zhang Y, Helvie MA, Moore RH, Kopans DB, **Roubidoux MA**, Hadjiiski L. Digital Breast Tomosynthesis Mammography: Computer aided Mass Detection by Fusion of Tomosynthesis and 3D Mass Likelihood Information. RSNA. November 2006.
148. Yang Z, Sinha S, Booi B, **Roubidoux M**, Ma B, Fowlkes B, LeCarpentier J, Carson P. Sub-Pixel compounding from elasticity imaging data. SPIE International Symposium on Medical Imaging, San Diego, CA. February 2007.
149. Pai D, **Roubidoux MA**, Schott A, Helvie MA, Tarolli J. Usefulness of image-guided core breast biopsy to evaluate response in neoadjuvant chemotherapy. American Roentgen Ray Society Annual Meeting, Washington, DC. May 8, 2007.
150. Sinha SP, Narayanasamy G, Narayanan R, **Roubidoux MA**, LeCarpentier GL, Goodsitt MM, Fowlkes JB, Carson PL. Image registration for change detection and quantification in multimodality breast tomosynthesis and ultrasound. American Association of Physicists in Medicine Annual Meeting, Minneapolis, MN. July 2007.
151. Sinha S, **Roubidoux M**, Helvie MA, Nees A, Goodsitt M, LeCarpentier G, Fowlkes B, Chalek C, Carson PL. Multi-modality 3D breast imaging with x-ray tomosynthesis and automated ultrasound. 29th IEEE EMBS Annual International Conference, Lyon, France. Aug. 23-26, 2007.
152. Narayanasamy G, LeCarpentier G, Zabuawala S, Fowlkes JB, **Roubidoux M**, Sinha S, Carson P. Non-rigid registration of three-dimensional (3D) grayscale and Doppler ultrasound breast images. 29th Annual International Conference, IEEE Engineering Med. Biol. Society, Lyon, France. Aug. 23-26, 2007.
153. Narayanasamy G, LeCarpentier G, **Roubidoux M**, Yang Z, Schott A, Fowlkes JB, Carson P. Sequential volume change estimation of breast tumor from whole breast automated ultrasound by reader study and image based registration. AIUM San Diego, CA. March 2008.
154. Johnson J, Tadgerson D, Seefeld D, Copeland G, Pingatore N, Haverkate R, Jim M, Espey D, Soliman A, **Roubidoux M**. Race data quality improvement for cancer registries through tribal linkages. NAACCR 2008 Annual Conference. June 2008.
155. Wei J, Chan HP, Sahiner B, Hadjiiski L, Helvie M, **Roubidoux M**. Dual system approach for mass detection on mammograms: improving prescreening with Hessian Analysis. RSNA, Chicago, IL. Nov. 26, 2007.
156. Helvie M, **Roubidoux M**, Hadjiiski L, Zhang Y, Carson P. Tomosynthesis mammography versus conventional mammography: comparison of breast masses detection and characterization. RSNA, Chicago, IL. Nov. 27, 2007.
157. **Roubidoux M**, Sinha S, Nees A, Helvie M, Goodsitt M, Carson P. Dual modality 3D imaging with digital tomosynthesis mammography and automated ultrasound: reader study. RSNA, Chicago, IL. Nov. 27, 2007.

158. Narayanasamy G, LeCarpentier G, Narayanan R, Fowlkes JB, **Roubidoux M**, Carson P. Non-rigid registration of three-dimensional (3D) ultrasound (US) breast images. RSNA, Chicago, IL. Nov. 28, 2007.
159. Hadjiiski L, Filev P, Chan HP, Sahiner B, **Roubidoux M**, Helvie M. ROC study: computer-aided diagnosis of malignant and benign breast clustered microcalcifications in temporal pairs of mammograms and its effect on radiologists' characterization performance. RSNA, Chicago, IL. Nov. 29, 2007.
160. Hadjiiski L, Filev P, Chan HP, Sahiner B, Helvie MA, **Roubidoux M**. Computerized detection and classification of malignant and benign microcalcifications on full field digital mammograms. International Workshop on Digital Mammography, Tucson, AZ. July 23, 2008.
161. Robbins J, **Roubidoux MA**, Helvie MA. Pregnancy and lactation associated breast problems: accuracy of mammography and sonography. ARRS, April 13-18, 2008.
162. Sinha SP, **Roubidoux MA**, Goodsitt MM, Hadjiiski LM, Thomenius KE, Carson PL. Time-efficient mass localization on automated breast ultrasound with dual-modality information. AIUM. 2008.
163. Williamson JA, **Roubidoux MA**, Nees AV, Helvie MA, Sinha SP, Chan HP. Digital mammography tomosynthesis vs. clinical mammogram spot views of masses. AUR, Seattle, WA. March 26, 2008.
164. Narayansamy MS, LeCarpentier G, **Roubidoux MA**, Fowlkes JB, Carson P. Ultrasound Doppler validation study on the non-rigid registration of three-dimensional (3D) breast ultrasound (US) image volumes. RSNA. November 30, 2008.
165. Helvie MA, Hadjiiski L, Goodsitt MM, **Roubidoux MA**, Carson P, Chan HP. Characterization of Benign and Malignant Breast Masses by Digital Breast Tomosynthesis Mammography. RSNA. December 1, 2008.
166. Helvie MA, **Roubidoux MA**, Hadjiiski L, Zhang Y, Carson P, Chan HP. Research digital tomosynthesis mammography: detection of T1 invasive breast carcinomas not diagnosed by conventional breast imaging or physical exam. RSNA. December 2, 2008.
167. Sahiner B, Blane C, Bailey J, **Roubidoux M**, Daly C, Noroozian M, Chan HP, Hadjiiski L, Helvie MA, Nees A, Paramagul C. Assessment of Breast Mass Similarity on Mammograms: A Comparison of Two Methods for Retrieval of Images Similar to a Query Mass from a Reference Library. RSNA. December 2, 2008.
168. Wei J, Chan HP, Wu YT, Sahiner B, Hadjiiski LM, Helvie MA, **Roubidoux MA**, Zhou C, Ge J, Zhang Y. Four-view Computer-Aided Detection (CAD) System for Breast Masses on Mammograms. RSNA. December 2, 2008.
169. Hadjiiski LM, Chan HP, Sahiner B, Ge J, Helvie MA, **Roubidoux MA**, Filev P, Zhou C. Full Field Digital Mammography: Automated Detection and Classification of Malignant and Benign Clustered Microcalcifications. RSNA. December 2, 2008.

170. LeCarpentier GL, **Roubidoux MA**, Sinha SP, Hadjiyski LM, Chan HP, Goodsitt MM, Carson PL. Preliminary reader evaluation of a 3D combined breast x-ray tomosynthesis automated ultrasound imaging device. AIUM, New York, NY. April 2009.
171. Sinha S, **Roubidoux MA**, Goodsitt MM, Hadjiyski L, Thomenius KE, Carson PL. Time-efficient mass localization on automated breast ultrasound with dual-modality information. AIUM, April 3, 2009.
172. **Roubidoux MA**, Jeffries D, Joe A, Klein KA, Patterson SK, Pinsky R, Hadjiyski L, Sinha S, Carson PL. Interpretation times in dual modality imaging using automated breast ultrasound with digital tomosynthesis mammography: reader study. ARRS, Boston, MA. April 22, 2009.
173. **Roubidoux MA**, Rahnema-Moghadam S, Hadjiyski LM, Klein KA, Jeffries DO, Pinsky RW. Digital tomosynthesis mammography compared to clinical mammogram spot views. RSNA, Chicago, IL. November 30, 2009.
174. LeCarpentier, GL, **Roubidoux MA**, Sinha SP, Chan HP, Goodsitt MM, Carson PL, Multimodality Breast X-ray Tomosynthesis and Automated Ultrasound Imaging: A Preliminary Reader Study. RSNA, Chicago, IL. November 30, 2009.
175. Bowerson ML, Paramagul C, Helvie MA, **Roubidoux MA**. Outcomes of requesting prior mammograms in mobile telemammography. AUR 58th Annual Meeting, San Diego, CA. March 24, 2010.
176. •Krizmanich-Conniff K, Paramagul C, **Roubidoux MA**, Helvie MA, Patterson S, Sabel M, Myles JD, Jiang K. Mammography findings and clinical features of triple negative breast cancer. ARRS, San Diego, CA. May 2-7, 2010.
177. Schafer J, **Roubidoux MA**, Noroozian M, Daly CP, Hadjiyski LM, Helvie MA, Myles J, Chan HP, Carson PL. Digital Breast Tomosynthesis Compared with Spot Views: Radiologist Preferences. Radiological Society of North America 96th Scientific Assembly and Annual Meeting, Chicago, IL. December 2, 2010.
178. Helvie MA, Chan HP, Hadjiyski LM, Goodsitt MM, **Roubidoux MA**, Carson PL. Digital Breast Tomosynthesis Mammography: Effect of Breast Density on Breast Mass Visibility and Characterization. Radiological Society of North America 96th Scientific Assembly and Annual Meeting, Chicago, IL. December 1, 2010.
179. Petersen W, Nicometo A, Roubidoux MA, Kaur JS, Vierkant R, Haugen S. Breast Cancer Risk and Screening Patterns in Bemidji Area American Indian Women. Great Lakes NARCH Meeting. March 16, 2011.
180. Padilla F, **Roubidoux MA**, Paramagul C, Sinha S, Goodsitt M, LeCarpentier G, Chan HP, Hadjiyski L, Fowlkes B, Joe A, Klein K, Nees A, Noroozian M, Patterson S, Pinsky R, Hooi FM, Carson PL. Performance of 3D automated ultrasound as adjunct to digital breast tomosynthesis for breast masses characterization. Procs Amer Inst Ultras Med, 55th Annual Conference, New York, NY. J Ultras Med, April 14-17, 2011 (abstract only).
181. •Wu PS, Joe AI, Bowerson ML, Paramagul CP, Helvie MA, **Roubidoux MA**. Telemammography for the Indian Health Service: Prior Mammogram and Call-back Patterns.

Radiological Society of North America 97th Scientific Assembly and Annual Meeting, Chicago, IL. November 30, 2011.

182. Chan HP*, Goodsitt M, Helvie M, Paramagul C, Neal C, Carson P, Zelakiewicz S, Schmitz A, **Roubidoux MA**, Noroozian M, Nees A. Digital Breast Tomosynthesis (DBT): Observer Performance Study of Microcalcification Cluster Detection in Breast Phantom DBT Acquired with Variable Tomographic Angles, Angular Increments, and Number of Projections. Oral Presentation. Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Chicago, IL. November 28, 2012.
183. •Chapman MC*, Shah GV, **Roubidoux MA**, Klein KA. A PowerPoint Alternative: Using Prezi to Teach Radiology to Medical Students. Scientific Presentation. 62nd Annual Meeting of the Association of University Radiologists (AUR), Baltimore, MD. April 3, 2014.
184. Lee WM, Larson ED, Goodsitt MM, Kripfgans OD, **Roubidoux MA**, Alvar S, Chan HP, carson PL. Dual-sided Breast Ultrasound in Mammographic Positions and Potential Spatial Correlation with Digital Breast Tomosynthesis (DBT). Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA), Chicago, IL. December 01, 2014.

Extramural Invited/Guest Faculty Presentations

1. Duke Radiology Review Course. Genitourinary Imaging. Research Triangle Park, NC. April 8, 1991.
2. Duke University Summer Post Graduate Radiology Course. Abdominal Imaging of the Intensive Care Unit Patient. North Myrtle Beach, SC. July 23-26, 1991.
3. Duke Radiology Review Course. Contrast Reactions. Research Triangle Park, NC. April 16, 1992.
4. Duke Radiology Review Course. Genitourinary Imaging. Research Triangle Park, NC. April 16, 1992.
5. Duke University Summer Post Graduate Radiology Course. Contrast Reactions. North Myrtle Beach, SC. July 31, 1992.
6. Roentgen Ray Society Meeting. Abdominal Imaging of the Intensive Care Unit Patient. New Orleans, LA. April 27, 1994.
7. Grand Rounds, University of Michigan Radiology Department. Breast Cancer Risk Factor Update. Ann Arbor, MI. May 4, 1994.
8. Symposium on Breast Disease, Post Graduate Course, Mammography Codes, Reports and Communications. University of Michigan, Bellaire, MI. July 17, 1994.
9. Symposium on Breast Disease, Post Graduate Course, Breast Cancer Risk Factor Update. University of Michigan, Bellaire, MI. July 17, 1994.
10. Martin Luther King Day Symposium. Department of Radiology Grand Rounds. Health Problems of Native Americans. January 19, 1995.

11. The Thirteenth Annual Practical Radiology at Whistler. Mammography for Palpable Lesions. Chateau Whistler Resort, Whistler, B.C., Canada. February 5-10, 1995.
12. University of Michigan Medical School Radiology in the Mountains. Abdominal Imaging in the ICU Patient, Role of Palpation in Breast Imaging, Breast Cancer Risk Factor Update, Mammography Reporting and Communications, Breast Ultrasound. Snowmass, CO. February 18-24, 1995.
13. Annual Course in Computed Tomography and Magnetic Resonance Imaging. Abdominal Intensive Care Imaging. Auchterarder, Perthshire, Scotland. April 9-13, 1995.
14. Imaging 1995/Santa Fe. Mammography and Breast Cancer Risk, Breast Imaging and the Symptomatic Patient. Santa Fe, NM, August 7-11, 1995.
15. Grand Rounds: Annual Complications Conference, Breast Imaging Division, Department of Radiology, University of Michigan Medical School. Sept. 8, 1995.
16. Native American Women and Wellness VII. University of Oklahoma. Breast Cancer Risk Factor Update. San Diego, CA. February 8, 1996.
17. University of Michigan Medical School: Radiology in the Desert. Breast Ultrasound, Mammography Reports and Communication, The Post-Operative Patient, Breast Cancer Risk Factors, Scottsdale, AZ. March 12-13, 1996.
18. Michigan Radiologic Society. Breast Case Review Session. Ann Arbor, MI. April 16, 1996.
19. Grand Rounds: Annual Complications Conference, Breast Imaging Division, Department of Radiology, University of Michigan Medical School. October 10, 1996.
20. Native Women and Cancer Conference. University of Arizona College of Medicine: Risk Factors for Breast Cancer and Screening Mammography Intervals in the Aberdeen Area Indian Health Service. Tucson, AZ. January 8, 1998.
21. Grand Rounds: Breast Cancer in American Indians. Department of Radiology, University of Michigan Medical Center. January 15, 1998.
22. Martin Luther King Health Professions Panel Presentation: Health Problems in American Indians and Alaska Natives, University of Michigan. January 19, 1998.
23. Up-to-Date Radiology 1998, University of California, Irvine Medical Center: Breast Cancer Risk Factors, Mammography Communications, Imaging of the Post-Operative Woman, Newport Beach, CA. February 16-17, 1998.
24. Radiology in the Desert: Practical Aspects of Imaging: University of Michigan Medical Center. Medico-Legal Considerations in Mammography, The Postoperative Breast, Breast Cancer Risk Factors, Scottsdale, AZ. March 1-3, 1998.
25. University of Michigan Breast Care Center Forum: Breast Cancer in American Indians and Alaska Native. University of Michigan Medical Center, Ann Arbor, MI. March 18, 1998.

26. American Association of Indian Physicians: Workshop: AAIP Breast Cancer Initiative, Albuquerque, N.M. July 23, 1998.
27. University of Utah, Department of Radiology: Breast Cancer Risk Factors, Salt Lake City, UT. January 29, 1999.
28. University of Utah Department of Radiology: The Post Operative Patient. Salt Lake City, UT. March 5, 1999.
29. University of Utah Department of Radiology: Mammography Reports and Communications. Salt Lake City, UT. April 3, 1999.
30. Learning Resource Center, University of Michigan. Development of an Interactive Teaching Program for Fourth Year Medical Students in Breast Imaging. Ann Arbor, MI. October 5, 1999.
31. Women of Color in the Academy Project. Panel Presentation, On the Margins: Research About Women and Women of Color. University of Michigan. Breast Cancer in Native American Women. October 6, 1999.
32. Radiology at the Seashore, University of Michigan Department of Radiology Course. Breast Cancer Risk Factors, The Post-Operative Cancer Patient, Mammogram Density, Benign Breast Lesions. Captiva Island, FL. January 31- February 1, 2000.
33. Practical Radiology at Whistler Post Graduate Course. The Post-Operative Cancer Patient. Whistler, B.C., Canada. February 9, 2000.
34. Mayo Comprehensive Cancer Center Conference at Alaska Native Medical Center. Colon and Breast Cancer updates. Anchorage AK. August 17, 2000.
35. Relief Society, Church of Jesus Christ of Latter Day Saints: Breast Cancer Awareness Month Presentation. October 6, 2000.
36. Radiology in the Desert: Practical Aspects of Radiology and Imaging. Breast Imaging and Management of Benign Breast Lesions. Marriott's Camelback Inn, Scottsdale, AZ. February 28, 2002.
37. Radiology in the Desert: Practical Aspects of Radiology and Imaging. Mammogram Density: Ramifications and Management in Breast Imaging. Marriott's Camelback Inn, Scottsdale, AZ. February 28, 2002.
38. Radiology in the Desert: Practical Aspects of Radiology and Imaging. Breast Cancer Risk: Update and Patient Management. Marriott's Camelback Inn, Scottsdale, AZ. March 1, 2002.
39. Radiology in the Desert: Practical Aspects of Radiology and Imaging. Breast Imaging and the Post-Operative Patient. Marriott's Camelback Inn, Scottsdale, AZ. March 1, 2002.
40. A Combined Whole Breast Ultrasound and Digital Mammography System: Initial Trials. AIUM, Phoenix, AZ. June 22, 2004.

41. Radiology in the Mountains, University of Michigan Medical School Course. Breast Cancer Risk Factors and Relevance to Breast Imaging and Patient Management. The Ritz-Carlton, Bachelor Gulch, Beaver Creek, CO. July 27, 2004.
42. Radiology in the Mountains, University of Michigan Medical School Course. Interesting Digital Imaging Cases. The Ritz-Carlton, Bachelor Gulch, Beaver Creek, CO. July 27, 2004.
43. Radiology in the Mountains, University of Michigan Medical School Course. Mammogram Density: Causes and Ramifications. The Ritz-Carlton, Bachelor Gulch, Beaver Creek, CO. July 28, 2004.
44. Radiology in the Mountains, University of Michigan Medical School Course. Methods in Breast Ultrasound, Digital Imaging, and Education. The Ritz-Carlton, Bachelor Gulch, Beaver Creek, CO. July 28, 2004.
45. Society of Breast Imaging, Vancouver, Canada. Cryoablation of Breast Cancer. May 28, 2005.
46. American Association of Indian Physicians. Annual Meeting. Bridging the Digital Divide: Computer Education Tools for Breast Cancer Knowledge and Screening, Targeted for Indian Health Care. Washington DC. August 3, 2005.
47. Peking Union Medical College Hospital. Beijing, China. Cryoablation of Breast Cancer, September 3, 2005.
48. Montana State University, Bozeman Montana. Cultural Competency for MPH students of University of Washington Medical School. September 30, 2006.
49. Montana State University, Bozeman Montana. Cultural Competency for M1 medical students of University of Washington Medical School. September 30, 2006.
50. Honolulu Breast Society, Honolulu, Hawaii. Cryoablation of Breast Cancer. February 23, 2006.
51. Imi Hale Network, Honolulu, Hawaii. Interactive Computer Teaching Materials for Breast Cancer Awareness for Patients and Providers. February 24, 2006.
52. Kapiolani Women's Center, Honolulu, Hawaii. Mammogram Density. February 24, 2006.
53. Resident Review in Breast Imaging. Mayo Clinic, Rochester, MN. May 25, 2006.
54. Cryoablation of Small Breast Cancers. Mayo Clinic, Rochester, MN. May 26, 2006.
55. Vilnius Lithuania Hospitals: University Hospital, Oncologic Hospital, Trauma Hospital. 14 lectures: Gastrointestinal Radiology, Pelvic Imaging with MRI and CT, Oncologic Imaging of the Pelvis, Liver Masses with CT and MRI, Renal Masses with CT and MRI, Other Renal Masses, Mammogram Density, Interesting Breast Cancer Cases, Adrenal Imaging, Pancreatic Imaging, Abdominal Trauma, October 11-20, 2006.
56. Baltic Radiology Conference, Kaunas, Lithuania. Liver Masses, Diagnosis with CT and MRI. October 13, 2006.

57. Baltic Radiology Conference, Kaunas, Lithuania. Renal Masses, Diagnosis with CT and MRI. October 13, 2006.
58. Society of Breast Imaging. Breast MRI of the High Risk Patient. Colorado Springs, CO. April 26, 2009.
59. Breast Imaging Case Review. University of Utah Radiology Department. March 2008.
60. Breast MRI Screening. American Roentgen Ray Society, Boston, MA. April 30, 2009.
61. Breast Case Review. University of Utah Radiology Department, Salt Lake City, UT. May 22, 2009.
62. Breast Cancer and Mammography Among American Indian and Alaska Native Women. Eighth National Changing Patterns of Cancer in Native Communities Conference. (CME) Seattle, WA. September 12, 2011.
63. Digital Breast Tomosynthesis. Cryoablation of Breast Cancers. Michigan Radiological Society Breast Imaging Conference (CME). Michigan Chapter of the American College of Radiology Grand Rapids, Michigan. November 12, 2010.
64. Digital Breast Tomosynthesis. American Roentgen Ray Society Annual Meeting (CME), Chicago, IL. May 4, 2011.
65. Biopsy Tips and Tricks. Society of Breast Imaging Meeting (CME), San Antonio, TX. May 18, 2011.
66. Breast MRI. Resident Review Talk, University of Southern California, Los Angeles, CA. July 25, 2011.
67. Screening Mammography Update. Spirit of Eagles Meeting, Mayo Clinic, Rochester, MN. September 21, 2011.
68. Breast Cancer Screening and Native Americans. 2011 National Breast and Cervical Cancer Early Detection Program (NBCCEDP) and Colorectal Cancer Control Program (CRCCP) Meeting, Atlanta, GA. October 20, 2011.
69. Mammogram Screening Controversies. 19th Annual Radiology in the Desert Course, Paradise Valley, AZ. March 8, 2012.
70. Breast MRI: Screening. 19th Annual Radiology in the Desert Course, Paradise Valley, AZ. March 8, 2012.
71. Interesting Breast Imaging Cases. 19th Annual Radiology in the Desert Course, Paradise Valley, AZ. March 9, 2012.
72. Digital Breast Tomosynthesis. 19th Annual Radiology in the Desert Course, Paradise Valley, AZ. March 9, 2012.

73. Breast Cancer Detection Beyond Mammogram. Making the Most of Breast Imaging: From Diagnosis to Surgical Planning to Follow-up Care Session, 98th Annual Clinical Congress, American College of Surgeons (ACS), Chicago, IL. October 2, 2012.
74. Digital Breast Tomosynthesis. 2012 Breast Imaging Conference, Michigan Radiological Society Breast Imaging Conference, Michigan Chapter of the American College of Radiology, Dearborn, MI. October 28, 2012.
75. The International Day of Radiology; ACR “The Face of Radiology Campaign” what are X-rays, Who are Radiologists, Roentgen and Curie? Sycamore Canyon School, Kindergarten Newbury Park, CA. November 16, 2012.
76. Health Equity Scholar’s Program: Health Disparities in American Indians, Including Breast Cancer, Culturally Appropriate Computer Teaching Materials, and Urban American Indian Health. University of Michigan Medical School, Ann Arbor, MI. 2 hours. February 6, 2013.
77. Breast Cancer Screening Update. Spirit of Eagles Meeting at the National Institutes of Health (NIH), Bethesda, MD. April 4, 2013.
78. Percutaneous Breast Ablations. Society of Breast Imaging (SBI) 11th Postgraduate Course, Los Angeles, CA. April 7, 2013.
79. Second Look Imaging After MRI. Keynote Address, American Roentgen Ray Society (ARRS) Annual Meeting, Washington, DC. April 16, 2013.
80. Breast Cancer Screening Update. Native American Cancer Research Organization (NACR.org), Webinar. May 22, 2013.
81. Breast Cancer and American Indians. National Medical Association Annual Convention and Scientific Assembly, Section on Radiology, Toronto, Canada, July 27, 2013.
82. Breast Cancer Screening. Cancer Screening: Who, What, When and Why? Changing Patterns of Cancer in Native Communities: Strength through Tradition and Science. Mayo Clinic School of Continuous Professional Development. Albuquerque, NM. October 26, 2013.
83. International Day of Radiology and the ACR “Face of Radiology Campaign.” Sycamore Canyon Elementary School First Grade Class. November 15, 2013.
84. ACR “Face of Radiology Campaign” What are X Rays, and Who Are Radiologists. Ensign Elementary School Second Grade Class. Salt Lake City, UT. January 6, 2014.
85. Breast Cancer: American Indian & Alaska Native Women. The Breast Care Center Educational Forum, University of Michigan Comprehensive Cancer Center, Ann Arbor, MI. January 8, 2014.
86. Adherence to screening mammography among American Indian women and role of prior mammograms. National Institute of Health Spring Native Network Meeting, Washington, DC. April 2, 2014.
87. Cryoablation and Other Unique Treatments. Michigan Radiologist Society 2014 Breast Imaging Conference, Plymouth, MI. November 9, 2014.

88. Health Care Disparities of Geographic Access to Breast Imaging, among American Indian Women. National Cancer Institute Spirit of EAGLES Spring Meeting, Gaithersburg, MD. April 1, 2015.
89. Breast Cancer in American Indian / Alaska Native Women. Mayo Clinic Native American Interest Group, Rochester, MN. April 6, 2015.
90. Imaging Guided Tumor Ablation. Society of Breast Imaging (SBI)/American College of Radiology (ACR) Breast Imaging Symposium, Orlando, FL, April 25, 2015.
91. Breast MRI. Ss. Cyril and Methodius University Medical School, Skopje, Macedonia. August 31, 2015.
92. Risk Factors for Breast Cancer. Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China. October 20, 2015.
93. Medical Education. Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China. October 21, 2015.
94. Interesting Breast Imaging Cases. Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China. October 22, 2015.
95. Challenging Multimodality Cases. Society of Breast Imaging (SBI)/American College of Radiology (ACR) Breast Imaging Symposium, Austin, TX. April 7, 2016.
96. Breast MRI and MRI guided breast biopsy. Sichuan Cancer Hospital, Chengdu, China. September 23, 2016.
97. Ultrasound guided breast biopsy with marker placement. Sichuan Provincial People's Hospital, Chengdu, China. September 26, 2016.
98. Breast MRI. Sichuan Provincial People's Hospital, Chengdu, China. September 26, 2016.
99. Breast MRI and MRI guided breast biopsy. West China Hospital, Chengdu, China. September 27, 2016.
100. Important Papers for Practice. Michigan Radiological Society 2016 Breast Imaging Conference, Plymouth, MI. October 8, 2016.
101. Detection of Breast Cancer with Breast Imaging: What Every Woman Should Know. Invited Keynote Speaker. Women's Health & Fitness Day, American Medical Women's Association at the University of Michigan Medical School, the University of Michigan Health System Department of Obstetrics and Gynecology, and Washtenaw Community College, Ann Arbor, MI. January 28, 2017.
102. Access Issues in Native American Health Care. Breast Cancer Screening and Health Disparities. Latin Medical Student Association Midwest Conference at the University of Michigan, Ann Arbor, MI. February 11, 2017.

Visiting Professorship and Consulting Activities

1. Imaging of the Intensive Care Unit Patient. Grand Rounds, Genesys Regional Medical Center, Flint, MI. July 28, 1994.
2. Breast Ultrasound. Michigan State Sonographers Society Meeting, Henry Ford Hospital Detroit, MI. March 21, 2001.
3. Breast Ultrasound. Phoenix Ultrasound Society, Phoenix, AZ. February 28, 2002.
4. Educational Games for Breast Cancer Screening. Cancer Program Planning and Development. Alaska Native Tribal Health Consortium, Anchorage, AK. August 1, 2005.
5. Visiting Professor, Peking Union Medical College, Beijing, China. September 3, 2005.
6. Visiting Professor, Montana State University, Bozeman, MT. September 30, 2005.
7. Visiting Professor, Mayo Clinic, Rochester, MN. May 25-26, 2006.
8. RSNA Visiting Professor, Vilnius, Lithuania. October 8-22, 2006.
9. Invited Lecturer, The 2nd Annual Cancer Education & Health Fair: hosted by Phi Theta Kappa, Alpha Omicron Rho International Honor Society. Oakland Community College, Auburn Hills, MI. February 21, 2007.
10. Visiting Professor, “Digital Tomosynthesis Mammography.” 38th São Paulo Radiology Meeting (JPR ‘2008), April 30, 2008.
11. Inflammatory Breast Cancer in Egypt: Consultant assisting with research work in Cairo with Dr. Naglaa Dabees, Associate Professor of Radiology, Tanta University Medical School, Cairo, Egypt, Omar Eissa MD, Cairo University Medical School, in collaboration with University of Michigan professors, Sofia Merajver, MD, Amr Soliman, MD SPH, University of Michigan. 2011.
12. Visiting Professor, “Tomosynthesis.” Department of Radiology, Henry Ford Health System – Wayne State University, Detroit, MI. December 13, 2013.
13. Visiting Professor, “Screening.” Department of Radiology, Henry Ford Health System – Wayne State University, Detroit, MI. December 13, 2013.
14. Visiting Professor, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences, Beijing, China. October 19-23, 2015.
15. Visiting Professor, Sichuan Cancer Hospital, Chengdu, China. September 23, 2016.
16. Visiting Professor, Provincial People’s Hospital, Chengdu, China. September 26, 2016.
17. Visiting Professor, West China Hospital, Chengdu, China. September 27, 2016.
18. Visiting Professor, “Interesting Cases.” Resident Teaching, Department of Radiology, University of Utah, Salt Lake City, UT. May 14, 2017.

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•Author is Fellow/Resident/Graduate Student/Medical Student

Peer-Reviewed Journals and Publications

1. **Roubidoux MA**, Hertzberg B, Carroll BA, Hedgepeth C. Color Flow and Image-Directed Doppler Ultrasound Evaluation of Iatrogenic Arteriovenous Fistulas in the Groin. *J Clin Ultrasound* 1990; 18(6):463-469. [PM: 2162853](#)
2. Dunnick NR, Leder RA, **Roubidoux MA**. Percutaneous Biopsy of the Kidney and Adrenal Glands. *Urol Radiol* 1990; 12(3):125-129. [PM: 2281573](#)
3. **Roubidoux MA**, Dunnick NR, Klotman P, Newman GE, Cohan RH, Kadir S, Svetkey LP. Renal Vein Renins: Inability to Predict Response to Revascularization in patients with hypertension. *Radiology* 1991; 178(3):819-822. [PM: 1994424](#)
4. **Roubidoux MA**, Dunnick NR. Adrenal Cortex Tumors. *Bulletin of N.Y. Acad Med* 1991; 67(2):119-130. [PM: 2049566](#)
5. **Roubidoux MA**, Dunnick NR, Sostman HD, Leder RA. Renal carcinoma: Detection of Venous Extension Gradient-Echo MR Imaging. *Radiology* 1992; 182(1):269-272. [PM: 1727294](#)
6. **Roubidoux MA**, Dunnick NR, Knelson M, Debatin JF. Renal Revascularization: Indications and Results. *Urol Radiol* 1992; 14(1):18-23. [PM: 1535467](#)
7. Dunnick NR, Leight GS, **Roubidoux MA**, Leder RA, Paulson EK, Kurylo L. CT Diagnosis of Primary Aldosteronism: Sensitivity in 29 Patients. *AJR Am J Roentgenol* 1993; 160(2):321-324. [PM: 8424342](#)
8. Foster WL, Gimenez EI, **Roubidoux MA**, Sherrier RH, Shannon RH, Roggli VL, Pratt PC. The Emphysemas: Imaging-Pathologic Correlations. *Radiographics* 1993; 13(2):311-328. [PM: 8460222](#)
9. **Roubidoux MA**. MR of the Kidneys, Liver, and Spleen in Paroxysmal Nocturnal Hemoglobinuria. *Abdom Imaging* 1994; 19(2):168-173. [PM: 8199554](#)
10. **Roubidoux MA**. MR Imaging of Hemorrhage and Iron Deposition in the Kidney. *Radiographics* 1994; 14(5):1033-1044. [PM: 7991812](#)
11. Chenevert TL, Helvie MA, Aisen AM, Francis IR, Adler DD, **Roubidoux MA**, Londy F. Dynamic Three-Dimensional Imaging with Partial K-Space Sampling: Initial Application for Gadolinium-enhancement Rate Characterization of Breast Lesions. *Radiology* 1995; 196(1):135-142. [PM: 7784556](#)
12. Moskalik A, Carson PL, Meyer CR, Fowlkes JB, Rubin JM, **Roubidoux MA**. Registration of Three-Dimensional Compound Ultrasound Scans of the Breast for Refraction and Motion Correction. *Ultrasound Med Biol* 1995; 21(6):769-778. [PM: 8571465](#)

13. **Roubidoux MA**, Helvie MA, Lai NE (MSIV), Paramagul C. Bilateral Breast Cancer: Early Detection with Mammography. *Radiology* 1995; 196(2):427-431. [PM: 7617856](#)
14. **Roubidoux MA**, Lai NE (MSIV), Paramagul C, Joynt LK, Helvie MA. Mammographic Appearance of Cancer in the Opposite Breast: Comparison with the First Cancer. *AJR Am J Roentgenol* 1996; 166(1):29-31. [PM: 8571898](#)
15. Helvie MA, **Roubidoux MA**, Weber BL, Merajver SD. Mammography of Breast Carcinoma in women who have mutations of the breast cancer gene BRCA1: Initial Experience. *AJR Am J Roentgenol* 1997; 168(6):1599-1602. [PM: 9168735](#)
16. **Roubidoux MA**, Helvie MH, Wilson TE, Lai NE (MSIV), Paramagul C. Women with breast cancer: Histologic findings in the contralateral breast. *Radiology* 1997; 203(3):691-694. [PM: 9169690](#)
17. •Patterson SK, Tworek JA, **Roubidoux MA**, Helvie MA, Oberman HA. Metaplastic Breast Carcinoma of the breast: Mammographic Appearance with Pathologic Correlation. *AJR Am J Roentgenol* 1997; 169(3):709-712. [PM: 9275883](#)
18. Carson PL, Moskalik AP, Govil A, **Roubidoux MA**, Fowlkes JB, Normolle D, Adler DD, Rubin JM, Helvie MA. The 3D and 2D Color Flow Display of Breast Masses. *Ultrasound Med Biol* 1997; 23(6):837-849. [PM: 9300987](#)
19. •Patterson SK, Helvie MA, Joynt LJ, **Roubidoux MA**, Strawderman M. Mammographic Appearance of Breast Cancer in African-American Women: Report of 100 Consecutive Cases. *Acad Radiol* 1998; 5(1):2-8. [PM: 9442201](#)
20. •Reichard EA, **Roubidoux MA**, Dunnick NR. Renal neoplasms in patients with renal cystic diseases. *Abdom Imaging* 1998; 23(3):237-248. [PM: 9569291](#)
21. •Bailey JE, **Roubidoux MA**, Dunnick NR. Secondary renal neoplasms. *Abdom Imaging* 1998; 23(3):266-274. [PM: 9569294](#)
22. •Rochester AB (MSIII), **Roubidoux MA**, Fitzgerald JT, Blane CE, Bowerman RA, McQuillan M. Value of Case-of-the-Week Presentations on the radiology component of the Comprehensive Clinical Assessment examination. *Acad Radiol* 1998; 5(3):169-172. [PM: 9522882](#)
23. Carson PL, Fowlkes JB, **Roubidoux MA**, Moskalik AP, Govil A, Normolle D, LeCarpentier G, Nattakom S, Rubin JM. 3D Doppler Image Signal Quantification of Breast Masses. *Ultrasound Med Biol* 1998; 24(7):945-952. [PM: 9809628](#)
24. **Roubidoux MA**, Wilson TE, Orange R (MSIV), Fitzgerald JT, Helvie MA, Packer SA. Breast Cancer in Women Who Undergo Screening Mammography: Relationship of Hormone Replacement Therapy to Stage and Detection Method. *Radiology* 1998; 208(3):725-728. [PM: 9722852](#)
25. **Roubidoux MA**, Kaur JS, Giroux J (MSIV). Mammographic Findings and Family History Risk for Breast Cancer in American Indian Women. *Cancer* 1998; 83(Suppl 8):1830-1832.

26. Wilson TE, Wallace C, **Roubidoux MA**, Sonnad SS, Crowe DJ, Helvie MA. Patient satisfaction with screening mammography: Online vs off-line interpretation. *Acad Radiol* 1998; 5(11):771-778. [PM: 9809075](#)
27. Helvie MA, Wilson TE, **Roubidoux MA**, Wilkins EG, Chang AE. Mammographic Appearance of Recurrent Breast Carcinoma in Six Patients with TRAM Flap Breast Reconstruction. *Radiology* 1998; 209(3):711-715. [PM: 9844663](#)
28. •Carlson KL, Helvie MA, **Roubidoux MA**, Klee CG, Oberman HA, Wilson TE, Pollock EW (MSII), Rochester AB (MSIV). Relationship Between Mammographic Screening Intervals and Size and Histology of Ductal Carcinoma In Situ. *AJR Am J Roentgenol* 1999; 172(2):313-317. [PM: 9930774](#)
29. Meyer CR, Boes JL, Kim B, Bland PH, LeCarpentier GL, Fowlkes JB, **Roubidoux MA**, Carson PL. Semiautomatic registration of volumetric ultrasound scans. *Ultrasound Med Biol* 1999; 25(3):339-347. [PM: 10374978](#)
30. •Krucker JF, LeCarpentier GL, Meyer CR, Fowlkes JB **Roubidoux MA**, Carson PL. 3D Image Registration for Multimode, Extended Field of View and Sequential US Imaging. *RSNA Electronic Journal*, May 1999; Volume 3. <http://ej.rsna.org/ej3/0098-99.fin/titlepage.html>.
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33. Chan HP, Sahiner B, Helvie MA, Petrick N, **Roubidoux MA**, Wilson TE, Adler DD, Paramagul C, Newman JS, Sanjay-Gopal S. Improvement of Radiologists' Characterization of Mammographic Masses by Computer-Aided Diagnosis: An ROC Study. *Radiology* 1999; 212(3):817-827. [PM: 10478252](#)
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35. •Guest AR, **Roubidoux MA**, Michael C, Helvie MA, Patterson SK. Mammographic Localization of Small lesions of Ductal Carcinoma in Situ. *J Womens Imaging* 1999; 1(1):6-10.
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37. •Bhatti PT, LeCarpentier GL, **Roubidoux MA**, Fowlkes JB, Helvie MA, Carson PL. Discrimination of Sonographic Detected Breast Masses Using Frequency Shift Color Doppler

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18. Classification of Malignant and Benign Masses on Mammograms. Radiological Society of North America, Chicago, IL, November 30- December 5, 1997.
19. LeCarpentier GL, Moskalik AP, Meyer CR, Bland PH, **Roubidoux MA**, Carson PL. Breast and Prostrate 3D Color flow Ultrasound Quantification and Image Fusion. InfoRad Exhibit. Radiological Society of North America, Chicago, IL, November 30- December 5, 1997.
20. Kawashima A, Sandler CM, Ernst RD, Takahashi N, **Roubidoux MA**, Goldman SM, Fishman EK, Dunnick NR. Non-traumatic Hemorrhage of the Adrenal Gland: Evaluation with CT, Ultrasonography, and MR Imaging. Society of Uroradiology, Bermuda, June 28, 1998.
21. Moskalik AP, LeCarpentier GL, **Roubidoux MA**, Tridandapani P, Fowlkes JB, Carson PL. Vascularity Quantification Techniques with 3D Ultrasound. InfoRad Exhibit, Radiological Society of North America, Chicago, IL, November 29-December 4, 1998.
22. Chan HP, Petrick N, Hadjiiski LM, Wilson TE, Paramagul C, Adler DD, Helvie MA, Sahiner B, **Roubidoux MA**, Sanjay-Gopal S, Joynt LK. ROC study of the effects of pixel size on radiologists' classification of microcalcifications on digitized mammograms. Scientific exhibit at the 84th Scientific Assembly and Annual Meeting of the Radiological Society of North America, November 30- December 4, 1998, Chicago, IL, Radiology 1998;209(P):518.
23. Kaur JS, **Roubidoux MA***, Sloan JA, Novotny PJ, Lobell M. Clinical and Mammographic Breast Cancer Risk Factors in Four Native American Populations. Workshop on Multicultural Aspects of Breast Cancer, National Action Plan on Breast Cancer. Washington D.C., March 18, 1999.

24. LeCarpentier GL, Bhatti PT, **Roubidoux MA**, Fowlkes JB, Helvie MA, Carson PL. Characterization of benign versus malignant breast lesions using frequency shift color Doppler imaging in conjunction with gray scale features and patient age. Visualizing the Future of Biology and Medicine, Bethesda, MD, NIH June 26, 1999.
25. Saunders N* (MSII), Burkel W, Gest T, Raof A, **Roubidoux MA**. Incorporation of Radiology into the Medical Gross Anatomy Web Site. Scientific exhibit at the University of Michigan Medical School, Medical Education Day 1999, "Innovations in Medical Education", Ann Arbor, MI, November 16-17, 1999.
26. **Roubidoux MA**, Chapman C. Interactive Computer Instructional Game for Medical Student Instruction of Breast Imaging in a Fourth Year Radiology Course. Scientific exhibit at the University of Michigan Medical School, Medical Education Day 1999, "Innovations in Medical Education", Ann Arbor, MI, November 16-17, 1999.
27. Guest A* (MSIV), **Roubidoux MA**, Blane C, Bowerman R, Fitzgerald J. Limitations of Student Evaluations of Curriculum. Scientific exhibit at the University of Michigan Medical School, Medical Education Day 1999, "Innovations in Medical Education", Ann Arbor, MI, November 16-17, 1999.
28. Kaur JS, **Roubidoux MA**, Sloan JA, Novotny PJ. Mammographic Findings in Screening of American Indian and Alaska Native Women. North Central Cancer Treatment Group Meeting, Mayo Clinic, Rochester, MN, May 2000.
29. Kaur JS, **Roubidoux MA***, Sloan JA, Novotny PJ. Mammographic Findings in Screening of American Indian and Alaska Native Women. Mayo Comprehensive Cancer Center Conference at Alaska Native Medical Center. Colon and Breast Cancer updates. Anchorage AK, August 17, 2000.
30. Kaur JS, **Roubidoux MA**, Sloan JA, Novotny PJ. Mammographic Findings in Screening of American Indian and Alaska Native Women. Network for Cancer Control Among American Indians and Alaska Natives Fall Conference. Rochester MN, Nov. 1-3, 2000.
31. **Roubidoux MA**, Chapman CM, Piontek M, Gruppen LD. Interactive Web-based Game for Instruction of Medical Students in Breast Imaging. AUR, Phoenix, Arizona, April 2002.
32. Klein KA, **Roubidoux MA**. Computer Exhibit: Web-based Instructional Lecture for M1 Anatomy Course: "Introduction to Radiology". AUR, Phoenix, Arizona, April 2002.
33. **Roubidoux MA**, Chapman C, Gruppen L, Klein KA, Helvie MA. Interactive Game for Breast Imaging Instruction. American Roentgen Ray Society April 28-May 3, 2002. Awarded Bronze Medal.
34. Sahiner B*, Ramachandran A, **Roubidoux MA**, Chan HP, Hadjiiski L, Helvie, MA, LeCarpentier GL. Computerized Analysis of Solid Masses in 3D Ultrasound Volumes for Breast Cancer Diagnosis. Era of Hope Meeting, U.S. Army Medical Research and Material Command, Department of Defense, Breast Cancer Research Program, Orlando, FL, September 25-28, 2002.

35. Ramachandran A*, Sahiner B, Chan HP, **Roubidoux MA**, Hadjiiski L., Helvie MA. Computer Assisted Cancer Diagnosis: A Breast Mass Characterization Technique Based on Three-Dimensional Ultrasound Segmentation. October 31, 2002, Ann Arbor, MI, University of Michigan Fall Cancer Symposium.
36. **Roubidoux MA**, Chapman C, Piontek ME. Development and Evaluation of an interactive Web-based Breast Imaging Game for Medical Students. Medical Education Day, February 18, 2003, University of Michigan Medical School.
37. **Rochester-Guest AB***, Sabel MS, Helvie MA, Chang AE, **Roubidoux MA**, Newman LA, Klee CG. Breast Cancer Management Changes Resulting From Case Review in Multidisciplinary Cancer Clinic at Tertiary Care Cancer Center. American Society of Breast Surgeons Annual Meeting 2003, Atlanta, GA.
38. Bartz BH* (MSII), **Roubidoux MA**, LeCarpentier GL, Paramagul CP, Klein KA, Schott AF. Electronic (Computer) Exhibit. Neoadjuvant Chemotherapy of Breast Cancer: An Interactive Review of the Spectrum of Changes Using Whole-Volume Color Flow Doppler Ultrasound, Enhanced Dynamic Contrast MRI, and Mammography. Radiological Society of North America 89th Scientific Assembly and Annual Meeting, Chicago IL, November 2003.
39. Packer MM* (MSI), Hodge SF, Kaur JS, Trapp MA, **Roubidoux MA**. Knowledge and Practices about Cigarette Smoking Among Native American Health Professionals and Medical Students. 6th Biannual Conference, Intercultural Cancer Council, Washington, D.C., March 27, 2004.
40. Hilmes MA*, **Roubidoux MA**, Washington SL, Abate SC. Bridging the Cultural Gap: Interactive Educational Computer Tool for Teaching Benefits of Mammography to Native American Patients and their Healthcare Providers. (Computer Exhibit) Association of University Radiologists, San Francisco, CA, April 24, 2004.
41. Maturen KE*, Paramagul CP, **Roubidoux MA**, Klee CG, Abate SC. Interactive Computer Teaching Module for Radiologic-Pathologic Correlations in Breast Imaging. (Computer Exhibit, Certificate of Merit Award); American Roentgen Ray Society 104th Annual Meeting, Miami Beach, Florida, May 2-7, 2004.
42. **Roubidoux MA**, Bartz B (MSII), Pai D (MSIV), LeCarpentier GL, Packer SA, Carson PL, Fowlkes JB, Schott AF. Ultrasound Changes in Vascularity, Volume and Gray Scale Features of Small Breast Malignancies During Neoadjuvant Chemotherapy. (Computer Exhibit) American Roentgen Ray Society 104th Annual Meeting, Miami Beach, CA, May 2-7, 2004.
43. Arnold AC* (MSIV), Hadjiiski L, Sahiner B, **Roubidoux MA**, Chan HP, Helvie MA. Educational Tool for Characterization of Mammogram Masses using Computer Assisted Diagnosis. (Computer Exhibit) Roentgen Ray Society 104th Annual Meeting, Miami Beach, Florida May 2-7, 2004.
44. Packer MM* (MSI), Kaur JS, Hodge FS, Trapp MA, **Roubidoux MA**. Knowledge and Attitudes About Cigarette Smoking Among Native American Health Professionals. Cancer, Culture and Literacy, Moffitt Cancer Center, Clearwater, Florida, May 21, 2004.

45. **Roubidoux MA**, Chapman C, Abate S, Trapp MA, Hilmes M. Development of Computer Games to Teach Breast Cancer Screening to Native Women and Health Providers. Cancer, Culture and Literacy, Moffitt Cancer Center, Clearwater, Florida, May 21, 2004.
46. Hilmes M*, **Roubidoux MA**, Abate SC, Daniel E, Washington S, Trapp MA. Breast Cancer Screening: Interactive Computer Education for Patients and Health Care Professionals Culturally Targeted to Native Americans. (Computer and Poster Exhibit) Medical Education Day 2004, University of Michigan Medical School, Ann Arbor, Michigan, May 19, 2004.
47. Maturen KE*, Paramagul CP, **Roubidoux MA**, Kleer CG, Weadock WJ, Abate SC. Interactive Computer Teaching Module for Radiologic-Pathologic Correlations in Breast Imaging (Computer Exhibit) Medical Education Day 2004, University of Michigan Medical School, Ann Arbor, Michigan, May 19, 2004.
48. Arnold AC* (MSIV), Hadjiiski L, Sahiner B, **Roubidoux MA**, Chan HP, Helvie MA. Educational Tool for Characterization of Mammogram Masses using Computer Assisted Diagnosis. (Computer Exhibit) Medical Education Day 2004, University of Michigan Medical School, Ann Arbor, Michigan, May 19, 2004.
49. Packer MM* (MSI), Kaur JS, Hodge FS, Trapp MA, **Roubidoux MA**. Knowledge and Attitudes About Cigarette Smoking Among Native American Health Professionals. 6th National Changing Patterns of Cancer Conference, Phoenix, Arizona, September 9-12, 2004.
50. **Roubidoux MA**, Chapman C, Abate S, Trapp MA, Hilmes M. Development of Computer Games to Teach Breast Cancer Screening to Native Women and Health Providers 6th National Changing Patterns of Cancer Conference, Phoenix, Arizona, September 9-12, 2004.
51. Booi RC, Carson P, Erkamp R, Xie H, LeCarpentier GL, **Roubidoux MA**, Fowlkes JB, O'Donnell M. In Vivo Breast Elasticity Imaging Using A Combined 3D US/Digital X-Ray System. Biomedical Engineering Society, Baltimore, MD, September 28 - October 1, 2005.
52. Packer MM* (MSII), Kaur JS, Hodge FS, Trapp MA, **Roubidoux MA**. Knowledge and Attitudes About Cigarette Smoking Among Native American Health Professionals. Michigan Epidemiology Conference, Ann Arbor, Michigan, March 31, 2006.
53. Chan HP, Zhang Y, **Roubidoux MA**, Helvie MA, Goodsitt MM, Carson PL, Sahiner B, Hadjiiski LM, Wei J. Digital tomosynthesis mammography (DTM): Dependence of reconstruction image quality on number and angular range of projection views. Poster presentation at the 48th Annual Meeting of the American Association of Physicists in Medicine, Orlando, FL. July 30-Aug 3, 2006.
54. Hadjiiski LM, Chan HP, Sahiner B, Nees AV, Bailey J, Patterson SK, **Roubidoux MA**, Helvie MA, Paramagul C. Computer-aided characterization of malignant and benign breast clustered microcalcifications on serial mammograms: Early experience of its effects on radiologists' performance from an ROC study, Accepted for an Education Exhibit at the 92nd Scientific Assembly and Annual Meeting of the Radiological Society of North America, Chicago, IL. Nov. 26 – Dec. 1, 2006.
55. Narayanasamy G, Narayanan R, Roubidoux MA, Fowlkes JB, Carson PL. Segmentation-free estimation of volume changes using 3D ultrasound imaging of breast phantom. SPIE International Symposium on Medical Imaging, San Diego, CA, February 2007.

56. **Roubidoux MA**, Hanss T, Mangrulkar R. A multiplanar learning management system to support competency-based education: computer demonstration. Medical Education Day, University of Michigan Medical School, June 7, 2007.
57. **Roubidoux MA**, Hanss T, Mangrulkar R. A multiplanar learning management system to support competency-based education: computer demonstration. Slice of Life Meeting, Salt Lake City, Utah, June 28, 2007.
58. Narayanasamy G, LeCarpentier G, Carson P, **Roubidoux MA**, Yang Z, Fowlkes J, Schott A. Breast tumor volume change estimation in whole breast automated ultrasound by image based registration and initial segmentation. 50th Annual Meeting of the American Association of Physicists in Medicine, Houston, TX, July 27-31, 2008.
59. Johnson J, Soliman AS, Pingatore N, Haverkate R, Tadgerson D, Copeland G, Seefeld D, Jim M, Espey D, Banjeree M, **Roubidoux MA**. Tribal linkage improves race data quality for American Indians in cancer registry. North American Association of Central Cancer Registries, Denver, CO, June 7-14, 2008.
60. **Roubidoux MA**, Rana GK, Weener D, Mangrulkar RS. A proposed interdisciplinary workflow to identify valuable electronic learning resources for a clinical problem-oriented medical student curriculum. University of Michigan Medical School, Med Ed Day, June 10, 2008.
61. Johnson J, Soliman AS, Pingatore N, Haverkate R, Tadgerson D, Copeland G, Seefeld D, Jim M, Espey D, Banjeree M, **Roubidoux MA**. Tribal linkage improves race data quality for American Indians in cancer registry. Native Health Research Conference, Portland, Oregon. Aug 25-28, 2008.
62. Kaur JS, Druly W, Russell T, **Roubidoux MA**. Telemammography to increase access to breast cancer screening for American Indian women. Women's Cancers 2008: Merging Science and Care. Mayo Clinic, Rochester, MN. Sept. 27, 2008.
63. **Roubidoux MA**, Rana GK, Weener D, Mangrulkar RS. A proposed interdisciplinary workflow to identify valuable electronic learning resources for a clinical problem-oriented medical student curriculum. 2008 Michigan Health Sciences Libraries Association Conference, Troy, Michigan. Oct. 20, 2008.
64. Nees A, **Roubidoux MA**, Sahiner B, Helvie MA, Chan HP, Williamson J, et al. Digital tomosynthesis mammography versus conventional mammography with spot views: early experience with breast lesion characterization. RSNA, Nov. 30, 2008.
65. Sahiner B, Blane C, Bailey J, **Roubidoux MA**, Daly C, Noroozian M, et al. Automated query of similar masses from a reference library: visual similarity ratings and pathological diagnoses. RSNA, Nov. 30, 2008.
66. Petersen W, Nicometo A, Kenote B, **Roubidoux MA**, Kaur J. Is mammographic screening compliance associated with native women's breast cancer risk factors? Preliminary results from a review of 100 records in one Bemidji area tribe. APOS: American Psychosocial Oncology Society, Feb. 5-8, 2009.

67. Petersen W, Nicometo A, Kenote B, **Roubidoux MA**, Kaur J. Breast cancer risk factors and mammographic screening adherence of Native American women: early results from a study in the Bemidji Indian Health Service area. *The Science of Cancer Health Disparities*, Feb. 3-6, 2009.
68. **Roubidoux MA**, •Mackert TE. Contribution to Annual Mammogram Screening in American Indian Women. American Association of Indian Physicians Meeting. Washington, DC July 28-Aug 2, 2009.
69. **Roubidoux MA**, •Mackert TE. Contribution to Annual Mammogram Screening in American Indian Women. Native Research Network Meeting. Portland, Oregon. Aug 3-6, 2009.
70. •Washburn ZW, Klein K, Noroozian M, Daly C, **Roubidoux MA**. Contrast-enhanced breast MRI survey: What the radiologist resident needs to know. *AUR*. March 23-26, 2010, San Diego, CA.
71. •Wu PS, **Roubidoux MA**, Helvie MA, Carlson PL, Goodsitt M, Chan HP. Digital breast tomosynthesis – review of imaging technique and current literature. Michigan Radiological Society Resident Research Forum. Jan. 28, 2011. Novi, MI.
72. •Wang P, Xue H, Martin T, **Roubidoux MA**. A Pilot Study: Radiology Vodcasting in the US and China. Michigan Radiological Society Resident Research Forum. Jan. 28, 2011. Novi, MI.
73. •Washburn ZW, Klein KA, Noroozian M, Daly CP, **Roubidoux MA**. Breast MR Artifacts and Pitfalls; Strategies for High Quality Imaging and Accurate Interpretation. *AUR*. April 11-15 2011. Boston, MA.
74. •Wang P, Xue H., Martin T., **Roubidoux MA**. A Pilot Study: Radiology Vodcasting in the US and China. *ARRS* May 1-5 2011. Chicago, IL.
75. •Wang P, Xue H., Martin T., **Roubidoux MA**. A Pilot Study: Radiology Vodcasting in the US and China. *UMMS Medical Education Day*. June 7, 2011. Ann Arbor, MI.
76. Goodsitt MM*, Chan H, **Roubidoux MA**, Noroozian M, Nees AV, Carson PL, Zelakiewicz S, Schmitz A, Helvie M, Paramagul C, Neal C. The Effects of Total Acquisition Angle and Angle Increment on the Detection of Masses and Perception of Contrast-detail Test Objects in Digital Breast Tomosynthesis. Poster Presentation. Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA). November 25-30, 2012. Chicago, IL.
77. **Roubidoux MA***, Lee WM, •Zeeb LM, Nees AV, Hadjiiski LM, Carson PL, et al. Role of Ultrasound to Evaluate and Characterize Masses Evident by DBT. Poster Presentation. Scientific Assembly and Annual Meeting of the Radiological Society of North America (RSNA). November 25-30, 2012. Chicago, IL.
78. **Roubidoux MA**, Bailey JE, Joe AI, Klein KA. Mobile Mammography from a Distance: Breast Cancer Screening for Northern Plains American Indian Women. Computer Poster Presentation. Association of University Radiologists (AUR) 2016 64th Annual Meeting, Diversity, Inclusion, and Cultural Competency in Academic Radiology, San Diego, CA. March 29-April 1, 2016.

