

Emily Katheryn Robinson, M.D.
08/2017

**PRESENT TITLE
AND AFFILIATION**

Professor
Department of Surgery
The University of Texas Medical School at Houston

OFFICE ADDRESS

Department of Surgery
The University of Texas Health Science Center-Houston
6431 Fannin, MSB 4.154
Houston, TX 77030

BIRTHDATE 8/24/1967

CITIZENSHIP USA

UNDERGRADUATE EDUCATION

THE UNIVERSITY OF THE SOUTH (Sewanee, Tennessee)
BS Biology May 1989

GRADUATE EDUCATION

THE UNIVERSITY OF TEXAS MEDICAL SCHOOL AT HOUSTON
MD May 1993, with Honors

**POST GRADUATE
TRAINING**

Breast Fellow: The Department of Surgical Oncology at
The UT M.D. Anderson Cancer Center 2000-2001

Resident: Department of Surgery
University of Texas, Houston 1998-2000

Research Fellow: The Department of Surgical Oncology at
The UT M.D. Anderson Cancer Center 1995-1997
T32 CA09599 Recipient

Resident: Department of Surgery
University of Alabama, Birmingham 1993-1995; 1998

ACADEMIC APPOINTMENTS

07/00-04/01	Instructor Department of Surgery The University of Texas Medical School at Houston
04/01-8/06	Assistant Professor Department of Surgery The University of Texas Medical School at Houston
09/06-9/15	Associate Professor Department of Surgery The University of Texas Medical School at Houston
09/15-Present	Professor Department of Surgery The University of Texas Medical School at Houston
02/11-Present	Vice Chair of Quality, Department of Surgery
09/12-Present	Associate Program Director Department of Surgery

HOSPITAL APPOINTMENTS

07/02-06/04 7/08-2012	Trauma Medical Director LBJ General Hospital
07/02-06/04	Director, Surgical Intensive Care Unit LBJ General Hospital
07/02-06/05	Medical Director LBJ Breast Pathology Clinic
07/03-6/05	Vice Chief of Surgery LBJ General Hospital
7/05-2010	Medical Director General Surgery Out Patient Services UT Professional Building
11/05-2010	Medical Director Memorial Hermann Cancer Center, Texas Medical Center
7/06-present	Medical Director Surgical Case Management Memorial Hermann Hospital, Texas Medical Center

Active Staff LBJ County Hospital, Memorial Hermann Hospital-TMC, MH Memorial City, MH Southeast, Texas Women's Hospital

LICENSURE

Alabama # 18430
Texas # L0915

BOARD CERTIFICATION

American Board of Surgery Feb 2001; # 45971
Re-certification 2010

PROFESSIONAL ORGANIZATIONS

Local Houston Surgical Society 2000- present
Assistant Treasurer 2005-2007

Regional Southwestern Surgical Society 2000 -present

National Fellow, American College of Surgeons 2001-Present
American College of Surgeons Oncology Group 2001-Present
Society of Breast Surgeons 2001-Present
Association of Academic Surgeons 2001-Present
Institutional Representative 2005-2015
Program Committee Member 2004-2007
Representative to NABR 2007-2009
Association for Surgical Education 2001-2014
Association of Women Surgeons 2001-2011
Membership Committee Member 2005-2008
Shock Society 2005-2009
Editorial board- Journal of Surgical Research 2001-2009
Society of University Surgeons 2004- present
Institutional Representative 2006-2010
American Society of Clinical Oncology 2010-present
Ad Hoc Reviewer for Surgery 2011- present
The American Board of Surgery
Qualifying Exam Item Writer 2011-present

HONORS and AWARDS

Alpha Omega Alpha Medical Honor Society, 1993
Deans Teaching Award 2002, 2010, 2013, 2014, 2017-please check
other years
Surgical Teaching Award, 2006
Memorial Hermann Physician of the Year Nominee 2007

UT-HOUSTON HEALTH SCIENCE CENTER COMMITTEES

Learning and Technology Committee 2000-2003
Interfaculty Council 2005-2009
Chair Elect 2007
Chair 2008
UT Health Science Center Presidential Search Committee 2008

Friday Clinic 9-12
One hour formal lecture every month on breast diseases

OB/GYN Residents

Provide ACGME required clinical experience to PGY-2 OB/GYN residents who participate in Monday clinic.

One hour formal lecture on breast diseases prior to annual in service training exam

Surgical Residents

Clinical teaching Monday Clinic 9-3
Tuesday in Operating Room
Wednesday in Clinic or Operating Room 9-5
Thursday Clinic 12-3
Friday Clinic 9-12

Formal lecture in breast diseases as part of educational curriculum

Formal lecture in Quality and Safety at Intern boot camp

CLINICAL RESEARCH PROTOCOLS

How Should Surgical Residents Be Educated about Patient Safety in the Operating Room: a Pilot Randomized Trial

PI Kuojen Tsao

Co- Investigator

Resident Safety Education

A pilot randomized trial of a comprehensive transitional care program for medically underserved colorectal cancer surgery patients

PI Lillian Kao

Co- Investigator

Pilot Comprehensive Transitional Care Program

A Protocol for the Discovery and Initial Validation of a Microvesicle-Based Biosignature for Breast Cancer (Protocol #CDRMA-0003-0212)

PI Anneliese Gonzalez

Co- Investigator

UTHealth MEDICAL SCHOOL CANCER INFORMATICS PROGRAM

PI Melissa Carpentier

Co- Investigator

Pattern of Disease Spread in Metastatic Invasive Lobular Carcinoma of the Breast

ILC study

PI Heather He

Co- Investigator

Cholecystectomy Quality Improvement Project

Chole QI Project

PI Lillian Kao

Co- Investigator

Proteolytic Cleavage Of Antibodies And Its Applications In Designing Cancer Therapeutics (Study of Proteases in Breast Cancer Tumor Tissue and Blood) PREVIOUS TITLE: Protocol No: T-10-105: Study of Proteases in Breast Cancer Tumor Tissue and Blood
 PI Anneliese Gonzalez
 Co- Investigator

PAST CLINICAL RESEARCH PROTOCOLS

“A Randomized Phase III Study of Conventional Whole Breast Irradiation (WBI) Versus Partial Breast Irradiation (PBI) for Women with Stage 0,I,II Breast Cancer”
 PI Emily Robinson
 NSABP B-39 Study

“Program for the Assessment of Clinical Cancer Tests (PACCT-1): Trial Assigning Individualized Options for Treatment: The TAILORx Trial”
 PI Emily Robinson
 TAILORx Trial

“Gender Dependent Differences in Protein Expression Patterns of Adipose Tissue Derived Stem Cells”
 PI Emily Robinson
 Biological Properties of ASC's

PAST GRANT SUPPORT

“Matrix Metalloproteinases in Gastric Injury”
 PI Emily Robinson
 NIGMS 1K08GM070812-05
 5/1/2004-4/30/2009
 \$596,025

“Acceptance of Breast Cancer Chemoprevention Therapy”
 PI Mfon Cyruss-David
 NCI 1 K22 CA100137-02
 09/01/2004 - 12/31/07
 \$438,000
 Co-Investigator

“A Presurgical study to evaluate molecular alterations that occur in human breast cancer tissue and normal skin after short-term exposure to ZD1839 (IRESSA).”
 PI Vincente Valero

Breast Cancer International Research Group
Co-PI

“Randomized clinical trial to evaluate the predictive accuracy of a gene expression profile-based test to select patients for preoperative taxane/anthracycline chemotherapy for stage I-III breast cancer.”

PI Vincente Valero
UTMDACC Breast Medical Oncology Group
Co-Investigator

“Collection of prechemotherapy needle biopsies from invasive breast cancer to identify molecular predictors of response to therapy”

PI Vincente Valero
UTMDACC Breast Medical Oncology Group
Co-Investigator

University of Texas Health Science Center K Award
5/1/2005-5/1/2006
\$25,000

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|-----------|--|
| 2007 | UT Houston Summer Research Program:
PI Emily Robinson
“Effect of Exogenous Prostaglandin E2 on Rat Gastric Matrix Metalloproteinase Production During Endotoxemia”
Joshua McKay, MS I- \$2,500 |
| 2006 | UT Houston Summer Research Program:
PI Emily Robinson
“Effect of COX inhibition on gastric MMP-2 production in the gastric mucosa.”
Clint Beiker, MS I- \$2,500 |
| 2005 | UT Houston Summer Research Program:
PI Emily Robinson
“Nitric oxide (NO) regulation of MMP-2 activity in the gastric mucosa.”
Daniel Kelley, MS I- \$2,500 |
| 2004 | UT Houston Summer Research Program:
PI Emily Robinson
“Effects of nitric oxide inhibition of endotoxin induced gastric matrix metalloproteinase activity” Christine Seaworth, MS I- \$2,500
* First place winner of Webber Student Poster Competition |
| 2002-2004 | “Evaluation of Gastric MMP-2 and MMP-9 in an LPS Model of Sepsis”
PI Emily Robinson |

Texas Gulf Coast Digestive Diseases Center Pilot Feasibility Grant
Supported by NIH DK56338
\$20,000

2001 UT-Houston Summer Research Program:
PI Emily Robinson
"Effects of endotoxin on gastric matrix metalloproteinase activity"-Alian
Garay, MSI- \$2,500

2001-2002 Bristol Myers Squibb-Antibiotic Trial for intra-abdominal infections-
Co Investigator-\$100,000

2001-2002 Bristol Myers Squibb-Antibiotic Trial for soft tissue infections-
Co Investigator-\$95,000

PUBLICATIONS

a. Abstracts

- 1) **Robinson, E.K.**, Sneige, N., Grimm, E.A. Interleukin-6 in Breast Cancer. *Proceedings of the American Association of Cancer Research* 1996;37:190.
- 2) **Robinson, E.K.**, Evans, D.B., Chiao, P.J., Grimm, E.A. Mechanism of Tamoxifen Induced Growth Inhibition in Human Pancreatic Cancer. *Proceedings of the American Association of Cancer Research* 1997;38:601.
- 3) **Robinson, E.K.**, Sneige, N., Grimm, E. Cytokines in Human Breast Cancer. *Proceedings of the American Association of Cancer Research* 1997;38:33.
- 4) **Robinson, E.K.**, Kwong, K.L., Liu, T.H., Mercer, D.W. Breast conservation therapy at an urban county hospital. Abstract, *Southwestern Surgical Congress*, 2002
- 5) **Robinson, E.**, West, S., Helmer, K., Chang, L., Chi, Y., Mercer, D. Induction of gastric matrix metalloproteinases by lipopolysaccharide. *Am J Surg* 2002;195 (3):S15.
- 6) **Robinson, E.K.**, West, S.D., Helmer K.S., Garay, A., Chang, L., Zhang X., Mercer, D.W. Induction of Gastric Matrix Metalloproteinases by Salicylate: Implications in Gastric Mucosal Defense. *J Surg Res* 2002;107:336
- 7) **Robinson, E.K.**, West, S.D. Mercer D.W. Elevated Matrix Metalloproteinase (MMP) Activity Contributes to Lipopolysaccharide (LPS) Induced Gastric Injury *J Surg Res* 2003;114:258
- 8) **Robinson, E.K.**, Gonzales, E.A., Suliburk, J.S., Chi, Y., and Mercer, D.W. Induction of Matrix Metalloproteinases in the Intestine Following Ischemia-Reperfusion *Shock* 2004;21(2):182.
- 9) **Robinson, E.K.**, Suliburk, J.S., Mercer, D.W. NOS Inhibitors Modulate LPS Induced Gastric MMP and TIMP Production. *J Surg Res* 2004;121:332
- 10) **Robinson, E. K.**, Suliburk, J.S., Mercer, D.W. Effects of Long Term Exposure to Lipopolysaccharide on Gastric Injury and iNOS Production *Am J Surg* 2004;199(3):S22

- 11) **Robinson, E.K.**, Seaworth C.S., Mercer D.W. Influence of NOS inhibition on MMP-2 production during endotoxemia *Shock* 2005;23(S3):43
- 12) **Robinson, E.** Kelly, D, Suliburk, J., Mercer D. Exogenous nitric oxide induces rat gastric MMP Production. *J Surg Res* 2006;130:200.
- 13) **Robinson, E.K.**, Beicker, CR., Mercer D.W. COX-1 Modulation of Gastric MMP-2 Production. *J Surg Res* 2007;137:188
- 14) Adams, SD, Delano, BA Kwan, RK, **Robinson, EK**, Mercer, DW. Acidified Ethanol Induced Gastric Injury Enhances Gastric Mucosal MMP-2 Production. *J Surg Res* 2007;137:283.

b. Refereed Original Articles in Journals

- 1) **Robinson E.K**, Lee J.E., Pisters P.W.T., Evans D.B. Reoperative pancreaticoduodenectomy for periampullary carcinoma. *Am. J. Surg.* 1996;172:432-438
- 2) **Robinson, E.K.**, Sneige, N., Grimm, E.A. Correlation of interleukin-6 with interleukin-1a human mammary tumors, but not with oestrogen receptor expression. *Cytokine* 1998;10(12): 970-76.
- 3) **Robinson, E.K.**, Grau, A.M., Evans, D.B., Smid, C.M., Chiao, P.J., Abbruzzese, J.L., Grimm, E.A. Tamoxifen induces cell cycle arrest in human pancreatic cancer. *Annals of Surgical Oncology* 1997;5(4):342-349.
- 4) Helmer KS, **Robinson EK**, Lally KP, Vasquez JC, Kwong KL et al. Standardized patient care guidelines reduce infectious morbidity in appendectomy patients. *Am J Surg.* 2002;183(6)608-613.
- 5) Liu TH, **Robinson EK**, Helmer KS, West DW, Castaneda AA et al. Does upregulation of inducible nitric oxide synthase play a role in hepatic injury? *Shock* 2002; 18(6):549-54.
- 6) West SD, **Robinson EK**, Delu AN, Ligon R, Kao LS, Mercer DW. Diverticulitis in the younger patient. *Am J Surg.* 2003 Dec;186(6):743-6.
- 7) Jibaja-Weiss ML, Volk RJ, Granchi TS, Neff NE, Spann SJ, **Robinson EK**. Promoting Informed Breast Cancer Treatment Decisions in Low Literacy, English and Spanish-speaking Women - Preliminary Findings. *Medinfo.* 2004;2004(CD):1670.
- 8) Nguyen, D.H., Miller, S.D., **Robinson, E.K.**, Adler, D.G. Cholecystocholedochal fistula. *Gastrointestinal Endoscopy* 61(7):876, 2005.
- 9) Suliburk J.W., Helmer K.S., Kennison S.D., Mercer D.W., **Robinson E.K.** Time Dependent aggravation or attenuation of lipopolysaccharide induced gastric injury by nitric oxide synthase inhibition. *J Surg Res.* Dec;129(2):265-71
- 10) Suliburk J.W., Helmer K.S., Gonzalez E.A., **Robinson E.K.** and Mercer D.W.

Ketamine Attenuates Liver Injury Due to Endotoxemia: Role of Cyclo-Oxygenase-2 (COX2) *Surgery*. 2005 Aug;138(2):134-40

- 11) **Robinson E.K.**, Kennison S.D., Suliburk J.W. and Mercer D.W. Rat gastric injury following lipopolysaccharide: role of inducible nitric oxide synthase. *Surgery* 2005; 138:523-9.
- 12) **Robinson E.K.**, West S.D., Garay A. and Mercer D.W. Rat gastric gelatinase induction during endotoxemia. *Digestive Diseases and Sciences*. 2006 Mar;51(3):548-59
- 13) **Robinson, E.K.**, M.D., Sonlee D. West, M.D., David W. Mercer, M.D. Salicylate Enhances Rat Gastric Gelatinase Activity. *Journal of Surgical Research* 2006 Jun 15;133(2):69-75(13)
- 14) **Robinson, E.K.**, Seaworth, C.M., Suliburk, J.W., Adams, S.D. Kao, L.K., Mercer, D.W. Effect of NOS Inhibition on Rat Gastric Matrixmetalloproteinase Production During Endotoxemia. *Shock* 2006 May;25(5):507-14
- 15) Jibaja-Weiss, M.L., Volk, R.J., Granchi T.S., Nefe, N.E., Spann, S.J., Soki, N., **Robinson, E.K.**, Beck, J.R. Entertainment education for informed breast cancer treatment decisions in low-literate women: development and initial evaluation of a patient decision aid. *J Cancer Edu* 2006 21(3) :133-9.
- 16) Jibaja-Weiss ML, Volk RJ, Friedman LC, Granchi TS, Neff NE, Spann SJ, **Robinson EK**, Aoki N, Robert Beck Preliminary testing of a just-in-time, user-defined values clarification exercise to aid lower literate women in making informed breast cancer treatment decisions. *J. Health Expect.* 2006 Sep;9(3):218-31.
- 17) **Robinson, E.K.**, Beicker, CR., Mercer D.W. COX-1 Modulation of Gastric MMP-2 Production. *J Surg Res* 2007; 137:188
- 18) Adams, SD, Delano, BA Kwan, RK, **Robinson, EK**, Mercer, DW. Acidified Ethanol Induced Gastric Injury Enhances Gastric Mucosal MMP-2 Production. *J Surg Res* 2007; 137:283.
- 19) **Robinson E.K.**, Kelly DP, Mercer, DM, Kozar, RA. Differential Effects of Luminal Arginine and Glutamine on Metalloproteinase Production in the Postischemic Gut. *JPEN* 2008 Jul-Aug;32(4):433-8
- 20) Cyrus-David M, King J, Bevers T, **Robinson E.** Validity assessment of the Breast Cancer Risk Reduction Health Belief scale. *Cancer* 2009 Nov 1;115(21):4907-16.
- 21) Jibaja-Weiss ML, Granchi TS, Neff NE, **Robinson EK**, Spann SJ, Aoki N, Friedman LC, Beck JR. Entertainment Education for Breast Cancer Surgery Decisions: A Randomized Trial Among Patients with Low Health Literacy. *Patient Educ Couns* 2010 Jul 5:41-8
- 22) Martin LA, Fischer UM, **Robinson E**, Ko TC, Gallstone ileus ten days after laparoscopic cholecystectomy. *Am Surg*. 2012 May;78(5): E292-4

- 23) Shah SK, Kreiner LA, Walker PA, Klein KL, Bajwa KS, **Robinson EK**, Millas SG, Souchon EA, Wray CJ. Cytomegalovirus enteritis manifesting as recurrent bowel obstruction and jejunal perforation in a patient with AIDS: rare report of survival and review of the literature. *Surgical Infections* 2012; Apr;13(2):121-4.
- 24) Castro-Echeverry E, Kao LS, **Robinson EK**, Silberfein EJ, Ko TC, Wray CJ. Relationship between documentation status and survival for medically underserved Hispanic breast cancer patients. *J Surg Res.* 2013 Apr;180(2):284-9.
- 25) Wray CJ, Phatak UR, **Robinson EK**, Wiatek RL, Rieber AG, Gonzalez A, Ko TC, Kao LS. The effect of age on race-related breast cancer survival disparities. *Ann Surg Oncol.* 2013 Aug;20(8):2541-7
- 26) He H, Gonzalez A, **Robinson E**, Yang WT. Distant metastatic disease manifestations in infiltrating lobular carcinoma of the breast. *AJR Am J Roentgenol.* 2014 May;202(5):1140-8.
- 27) Robinson E., McBride, J. Perioperative Process Improvement. *American Journal of Medical Quality* 2015 May/June 30 (1s): 20s

c. Book Chapters

- 1) **Robinson, E.K.**, Hunt, K.K. Noninvasive Breast Cancer. In: *The M.D. Anderson Surgical Oncology Handbook.* 1-12; 1999
- 2) **Robinson, E.K.**, Cusak, J.C., Tyler, D.S. Small-Bowel Malignancies and Carcinoid Tumors. In: *The M.D. Anderson Surgical Oncology Handbook.* 161-177; 1999
- 3) Miller, A.R., **Robinson, E.K.**, Lee, J.E., Pisters, P.W.T., Chiao, P.J., Lenzi, R., Abbruzzese, J.L., Evans, D.B. Preoperative (neoadjuvant) chemoradiation and pancreaticoduodenectomy for adenocarcinoma of the pancreas. In: *Surg Oncol. Clinics of N.A.* 183-197; 1998.
- 4) Meric, F., **Robinson, E.K.**, Hunt, K.K. Noninvasive Breast Cancer. In: *The M.D. Anderson Surgical Oncology Handbook.* 1-13; 2003
- 5) Hwang, R.F., **Robinson, E.K.**, Cusak, J.C., Tyler, D.S. Small-Bowel Malignancies and Carcinoid Tumors. In: *The M.D. Anderson Surgical Oncology Handbook.* 193-214; 2003
- 6) Mercer DW, **Robinson, E.K.** Stomach In: *Sabiston Textbook of Surgery 17th Edition.* 1265-1321; 2004.
- 7) Mercer DW, **Robinson, E.K.** Gastric Ulcer In: *Surgical Decision Making 5th Edition.* 138-142; 2004.
- 8) Mercer DW, **Robinson, E.K.** Stomach In: *Sabiston Textbook of Surgery 18th Edition.* 1265-1321; 2007

d. Presentations

- 1) "Reoperative pancreaticoduodenectomy for periampullary carcinoma." Southwestern Surgical Society 48th Annual Meeting, Scottsdale Arizona April 1996
- 2) "Interleukin-6 in Breast Cancer." American Association of Cancer Research, Washington, DC, April, 1996
- 3) "Mechanism of Tamoxifen Induced Growth Inhibition in Human Pancreatic Cancer." American Association of Cancer Research, San Diego, CA April, 1997
- 4) "Tamoxifen inhibits human pancreatic cell growth "Society of University Surgeons 39th Congress Miami, FL 1997
- 5) "Correlation of interleukin-6 with interleukin-1 α in human mammary tumors" MD Anderson Cancer Center Tumor Biology Conference, Houston TX 1997
- 6) " Well differentiated thyroid cancer" Department of Surgery Grand Rounds, Houston, TX April 2000
- 7) "Breast conservation therapy at an urban county hospital" Southwestern Chapter of the American College of Surgeons, San Antonio, TX, March 2001
- 8) "Introduction to Surgical Ultrasound" Department of Surgery Grand Rounds, Houston, TX June 2002
- 9) "Induction of gastric matrix metalloproteinases by lipopolysaccharide." Surgical Forum, American College of Surgeons, San Francisco, CA October, 2002
- 10) "Induction of gastric matrix metalloproteinases by salicylate: implications in gastric mucosal defense" Association of Academic Surgeons, Chicago, IL November, 2002
- 11) "Matrix metalloproteinase induction in an LPS model of gastric injury" Texas Gulf Coast Digestive Diseases Meeting, Clear Lake, TX June, 2003
- 12) "Elevated Matrix Metalloproteinase (MMP) Activity Contributes to Lipopolysaccharide (LPS) Induced Gastric Injury" Association of Academic Surgeons, Sacramento, CA November, 2003
- 13) "Induction of matrix metalloproteinases in the intestine following ischemia-reperfusion" Shock Society Meeting, Nova Scotia, Canada, June, 2004

- 14) "Level III Trauma Designation: Why are we doing all of this?" Trauma Education Symposia, LBJ Hospital, Houston, TX September, 2004
- 15) "Effects of long-term exposure to LPS on gastric injury and iNOS production" Surgical Forum, American College of Surgeons, New Orleans, LA October, 2004
- 16) "NOS inhibitors modulate gastric MMP and TIMP production" Association of Academic Surgeons, Nashville, TN, November, 2004
- 17) "Introduction to AJCC Staging" Hermann Faculty Educational Symposia, Hermann Hospital Houston, TX, April 2005
- 18) "Cancer Awareness" Hermann Community Outreach Symposia, El Paso Energy Houston, TX, April 2005
- 19) "Influence of NOS inhibition on MMP-2 production during endotoxemia" Shock Society Meeting, Marco Island, FL June 2005
- 20) "Breast Cancer" Hermann Community Outreach Symposia, Marathon Oil, Houston, TX, October 2005
- 21) "Advances in Breast Cancer Management" Department of Surgery Grand Rounds, October, 2005
- 22) "Introduction to Ultrasound" Endocrinology Grand Rounds, November, 2005
- 23) "Matrix Metalloproteinases and Gastric Injury" Texas Gulf Coast Digestive Disease Center, January, 2006
- 24) "Exogenous nitric oxide induces rat gastric MMP Production." Academic Surgical Congress, February, 2006.
- 25) "Innovations in Early Detection" Hermann Community Outreach Symposia, Shell Oil October 2006
- 26) "COX-1 Modulation of Gastric MMP-2 Production." Academic Surgical Congress, February 2007. Phoenix
- 27) "Advances in Breast Cancer Management" Plastic Surgery Grand Rounds June 2007. Houston
- 28) "Breast Cancer Management" General Surgery Grand Rounds. June 2007

- 29) "Breast Cancer 101" Hermann Community Outreach Symposia, Invensys, August 2007 Houston.
- 30) "Breast Cancer: Overview and Risk Assessment" Memorial Hermann System Breast Cancer Symposia. October 2007, Houston.
- 31) "Overview: Risk Factors, Making the Diagnosis, Initial Treatment" Memorial Hermann Community Outreach "Think Pink" Seminar October 2007.
- 32) "Breast Cancer Update" Family Practice Grand Rounds. November 2007.
- 33) "Breast Cancer Overview" Hermann Community Outreach Symposia, Metro Transit Authority, November 2007 Houston.
- 34) "Breast Patient Evaluation" OB/GYN Resident CREOG Review. January 2008 Houston.
- 35) "Management of the Axilla in Breast Cancer" Surgery Grand Rounds Jan 2012
- 36) Discussant "Optimal Utilization of a Breast Care Advanced Practice Clinician" Southwest Surgical Congress April 2014
- 37) "Perioperative Process Improvement" UHC Annual Conference Oct 2014