CURRICULUM VITAE



Stephen Francis Sener, M.D.

Stephen F. Sener MD

Brief Introduction

Dr. Sener is a native Chicagoan. He graduated from Northwestern University Medical School and subsequently completed the general surgery residency training program at Northwestern University. This training included six months at the National Cancer Institute in Dr. Steve Rosenberg’s lab and one year as the American Cancer Society Clinical Fellow with Dr. Edward Scanlon at Evanston Hospital.

After finishing his general surgery residency training, Dr. Sener spent two years as a Surgical Oncology Fellow at Memorial Sloan-Kettering Cancer Center, the last year as the Chief Fellow. His mentors there included Dr. Murray F. Brennan and Alan D. Turnbull.

Once his oncology training was completed in 1984, Dr. Sener was recruited by Dr. Scanlon back to Northwestern University and Evanston Northwestern Healthcare (now NorthShore University HealthSystem (NSUHS)). During his time there, he was promoted to Professor of Surgery at Northwestern University Feinberg School of Medicine and to Vice-Chairman of the Department of Surgery at NSUHS. He served as Associate Director for the Residency Training Program in General Surgery at Northwestern from 2000-‘02 and in 2007.

In September 2009, Dr. Sener was recruited to the University of Southern California Department of Surgery by Dr. Vaughn Starnes to become chief of a newly-created Division of Surgical Oncology. He was the Program Director for the Breast Surgery Fellowship (accredited by the Society of Surgical Oncology) from 2009-2020. And, he has been an Associate Program Director for the General Surgery Residency Training Program since 2014. In April 2015, he was appointed as Chief of Surgery and Medical Director for Perioperative Services at LAC+USC (LA County) Medical Center. He has been party to multiple accomplishments in quality control and cost containment for perioperative services across the Los Angeles Department of Health Services.

He has been a long-term volunteer for the American Cancer Society (ACS), beginning in 1984 as a member of the Illinois Division’s Cancer Incidence and End Results Committee. He was President of the Illinois Division in 1993-’94 and was on the National Board of Directors of the ACS from 1993 through 2006. Notable among National ACS activities, he served as chair of the National Breast Cancer Advisory Council (responsible for ACS breast cancer screening guidelines), chair of the National Research and Medical Affairs Committee, and founding chair of the Global Strategies (International) Advisory Committee. He was elected to a leadership position in the National ACS as Vice-President in 2002, and he then served as National President in 2004-‘05.

He has served as the American Cancer Society representative to the American Joint Committee on Cancer, the Commission on Cancer, and the Society of Surgical Oncology.

After almost a decade serving on the editorial board of the *Journal of Surgical Oncology,* he became the Editor-in-Chief in 2013.

Dr. Sener would tell you that one of the most gratifying projects of his professional career was the establishment in 2005 of the One Million Women Program for breast cancer screening mammography in China, on behalf of the American Cancer Society and the Chinese government.

Personal Information

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 Citizenship USA

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1. Education

High School Saint Ignatius High School, Chicago, Illinois, 1968

 University Northwestern University College of Arts and Sciences, Evanston, Illinois, Department of Chemistry: Bachelor of Arts, 1972

 Graduate School Northwestern University Medical School Evanston, Illinois: qualified for Ph.D., Department of Biochemistry, 1975

 Medical School Northwestern University Medical School, Evanston, Illinois, M.D., 1977

 Internship Northwestern University Medical School, Evanston, Illinois, Department of Surgery, Division of General Surgery, July 1977-July 1978

Residency Northwestern University Medical School (Surgery), Evanston, Illinois, July 1977-July 1982

Northwestern University Medical School (Chief Resident in General Surgery), Evanston, Illinois, July 1981-July 1982

 Fellowships Evanston Hospital Department of Surgery, American Cancer Society Clinical Fellow (CF4980-1),

 Evanston, Illinois. July 1981-July 1982

Memorial Sloan-Kettering Cancer Center, Department of Surgery (Surgical Oncology) (CF4980-2,3), New York, NY, July 1982-July 1984

Memorial Sloan-Kettering Cancer Center, Department of Surgery, (Chief Surgical Oncology), New York, NY, July 1983-July 1984

 Visiting Fellowships National Cancer Institute, Bethesda, MD (Steven A. Rosenberg, M.D., Ph.D., Director), July through December, 1979.

Instituto nazionale per lo studio e la cura dei tumori, Milan, Italy (Umberto Veronesi, M.D., Director), July through September,1984.

 Honors and Awards

1. Department Honors, Northwestern University, Department of Chemistry, 1972.

2. Second Annual Capitol Dome Award, National American Cancer Society, presented for advocacy on public health policy issues, 1995.

3. National Breast Cancer Awareness Month Profiles in Progress Corporate Leadership Award. Recipient on behalf of Evanston Northwestern Healthcare and Nordstrom for establishment of mammogram facility at Nordstrom’s in Skokie, Illinois, 1997.

4. Outstanding Surgery Faculty Teacher of the Year, Northwestern University Medical School, Department of Surgery, 1998 and 2004.

5. American Cancer Society, National Award, St. George Medal (highest national award for voluntary service to the ACS), in recognition of outstanding contributions to cancer control policy, Atlanta, Georgia, 1998

6. Organized a seven-member operating team from Evanston Northwestern Healthcare, which performed a ten-day surgical humanitarian mission to Central Clinical Railroad Hospital Semashko, Moscow State University, Moscow, Russia, 1999. Invited by Prof. Sokolov, Chancellor of Moscow State University. All trips to Moscow included operative and hospital clinics, and city-wide educational symposia.

7. Returned to Moscow State University Central Semashko Hospital with twelve-member operating team, 5/20-5/27/00.

8. Invited presentation. “Sentinel Lymphadenectomy for Breast Cancer” to Moscow Surgical Society and Russian Academy of Medical Sciences, October 5, 2000. Invited by Prof. Lutsevich MD, President of Moscow Surgical Society.

9. Organized thirteen-member surgical humanitarian mission to the Oncologic Center, Riga, Latvia, 2001.

10. Organized a ten-member operating team and returned to Moscow State University Central Clinical Hospital Semashko, 10/25-10/31/03. Acted as design consultant for new Semashko Hospital to Dr. Oleg Atkov, former Russian Cosmonaut and Director of the Russian Clinical Railroad Hospitals.

11. Invited to lead an American Cancer Society delegation to the People’s Republic of China, 11/17/03-11/26/03, guest of Wang Langde MD, Health Minister of China, and Wu Fan MD, Director of China Centers for Disease Control.

12. Initiated the first screening mammogram program in China (One Million Women Breast Cancer Screening Program), under auspices of Chinese government (Wang Longde, Health Minister and Wu Yi, Vice-Premier), Chinese Anticancer Association (Dr. Xu, President), and American Cancer Society (SFS, President), February 2005.

13. Invited Participant in ‘Surgeons as Leaders’ course sponsored by the American College of Surgeons, Chicago, Illinois, April 9-12, 2006.

14. Organized and led a 13 member operating team to Peking University, Beijing Cancer Hospital (BCH), Beijing, China, on behalf of the American Cancer Society and Evanston Northwestern Healthcare, 5/7/06-5/14/06. Invited by Jin Gu MD, Chair of Surgery at BCH. Included hospital and operative clinics, as well as a Chinese National educational program for Surgeons, entitled “Chinese-American Surgical Oncology Week.”

15. Selected for ‘Who’s Who in America’ from 2007-’21.

16. President, Midwest Surgical Association 2012-’13.

17. Honorary Membership in Brazilian Society of Surgical Oncology, 2017.

 Medical Licenses #36-58238, Illinois 1977. Exp 7-31-2026.

 #187509, National Board of Medical Examiners, 1978 (active)

 #003-036-58238-1, Controlled Substance, Illinois, 1984(active)

 #AS2664818, DEA 1984 (active)

 #4188-AI, 1988: Advanced Trauma Life Support Instructor, renewed 1992.

 #G88606, California Medical License, 2009. Exp 1- 31-2025.

 #1740357318, National Practitioner Identifier, 2010

 CTEP Investigator # I-16198

 Board Certification American Board of Surgery, 1983 #29154

 Recertified by American Board of Surgery, 1992

 Recertified by American Board of Surgery, 2001

 Recertified by American Board of Surgery, 2013 (expires 12-31-2024)

1. Professional Background

 Academic Appointments

 Instructor, Northwestern University Medical School Department of

 Surgery, Evanston, Illinois, 1981-’82.

 Associate, Clinical Surgery, Northwestern University Medical School,

 Evanston, Illinois, 1984-’87.

 Assistant Professor Clinical Surgery, Northwestern University Medical

 School, Evanston, Illinois, 1987-’92.

 Associate Professor Clinical Surgery, Northwestern University Medical

 School, Evanston, Illinois, 1992-’94.

 Associate Professor Surgery, Northwestern University Medical School,

 Evanston, Illinois, 1994-’98.

 Professor of Surgery, Northwestern University Medical School, Evanston, Illinois, 1998- 2009.

Visiting Professor of Clinical Surgery, Keck School of Medicine, University of Southern California, 2009-2012.

Professor of Surgery, Clinical Scholar, Keck School of Medicine, University of Southern California, Los Angeles, California, 2012- present.

Clinical Administrative Appointments (Major)

 Associate Director, Kellogg Cancer Care Center, Evanston Hospital, Community Clinical Oncology Program (CCOP) as designated by the National Cancer Institute, 1987-2009.

 Head, Division of General Surgery, Evanston Hospital, 1996-2001

 Vice-Chairman, Department of Surgery, Evanston Northwestern Healthcare, 1999-2009.

 Coordinator, Graduate Surgical Education, Evanston Hospital, 1984-2000.

 Associate Program Director, Department of Surgery, Northwestern University Medical School, 2000-’02 and 2007.

 Chief, Division of Surgical Oncology (now Breast, Endocrine, and Soft Tissue Surgery), Keck School of Medicine, University of Southern

 California (2009-2018).

 Program Director, Breast Surgery Oncology Fellowship (accredited by the Society of Surgical Oncology), University of Southern California Keck School of Medicine, 2009-2020.

Clinical Council of Norris Comprehensive Cancer Center, co-chair, (2010- ’12).

Coordinator, USC Department of Surgery Core Curriculum for General Surgery Residency Training Program (2012-2016).

Associate Program Director, General Surgery Training Program, University of Southern California Keck School of Medicine, 2014- present.

Chief of Surgery and Medical Director of Perioperative Services, LAC+USC (LA County) Medical Center, 2015-present.

Surgical Oncology Service Chief at LAC+USC, 2009-present.

University of Southern California Breast Cancer Symposium, organizing and program committee (founding member), 2014-present.

 Specific Teaching Responsibilities

1. Year III Medical Students

Regular meetings (two per student rotation) with medical students for scheduled lectures and bedside/operating room teaching activities.

1. Student Electives

 Undergraduate and medical students may elect to spend more individualized periods with the Surgical Oncology Service, including research activities and electives.

1. Lecture Series

I supervise a regularly scheduled series to medical students (two per junior/senior year rotation) and surgical residents on an annual basis, consisting of 12-15 hours of formal presentations by Breast Fellows.

1. Residents and Interns

The majority of teaching at the clinical level consists of participation in rounds, bedside consultations, specialty clinics, and supervision in the operating rooms at LAC+USC and Keck Hospital of USC.

I became the Associate Program Director for the General Surgery Training Program at USC in 2014.

1. Post-Graduate

I was the Program Director (2009-2020) of the USC Breast Surgery Fellowship, which is accredited by the Society of Surgical Oncology to train three fellows in breast surgery per year. I direct the breast clinical care provided by USC General Surgery residents and Breast Fellows at LAC+USC, including directing intraoperative care for approximately 6 operating days per month.

 Hospital Appointments

 Adjunct Staff, Evanston Hospital, 1984-’85

 Assistant Attending Surgeon, Evanston Hospital, 1985-’87

 Attending Surgeon, Evanston Hospital, 1987-’94

 Senior Attending Surgeon, Evanston Northwestern Healthcare (now NorthShore University HealthSystem), 1994-2016.

Faculty Attending Staff, USC Keck Medical Center

and LAC+USC Medical Center, 2009-present.

1. Society Memberships

 Distinguished

 American Cancer Society, 1985-present.

 American College of Surgeons.

 Candidate Group, 1978-’88.

 Fellow, 1988-present.

 American Surgical Association, 2007-present.

 Professional

 American Medical Association, 1984-2009.

 Chicago and Illinois State Medical Societies, 1984-present.

 Society of Head and Neck Surgeons (AHNS), 1985-2003.

 Midwest Surgical Association, 1987-present.

 Society of Surgical Oncology, 1988-present.

 American Society of Clinical Oncology, 1990-present.

 Chicago Surgical Society, 1990-present.

 Central Surgical Association, 1994-2013.

 American Society of Breast Disease, 2010-2013.

 American Society of Breast Surgeons, 2011-present.

 European Society of Medical Oncology, 2013-present.

 Pacific Coast Surgical Association, 2014-present.

Brazilian Society of Surgical Oncology, Honorary Member, 2017-present.

Surgical Infection Society, 2021-present

1. Service

Professional Organizations

 *American Cancer Society*

 Illinois Division Cancer Incidence and End Results Committee,

 1985-’92 and 1997-2009; Chairman from 1986-’92.

 Illinois Division executive committee and Board of Directors,

 1986-2007.

 Glenview unit professional education committee chairman,

 1986-’90.

 Illinois Division second vice president, 1988-’90.

 llinois Division first vice president, 1990-’92.

 Illinois Division president, 1992-’94.

 National Board of Directors, member 1992-2006.

 National Assembly, member 1996-2006.

 National prevention committee, member 1992-’97 (vice-chairman tobacco prevention subcommittee 1993).

 National breast cancer subcommittee of detection and treatment

 committee (National Breast Cancer Advisory Group),

 member 1992-’98.

 National communications committee, member 1993-’96 (vice chairman 1993-’95).

 National taskforce on diversity, 1995.

 National advisory group on collaborations, 1995-’96.

 Illinois Division nominating committee, 1995-‘99 (chairman 1998-

 ’99).

 National advisory workgroup on information network (Infonet),

 1995-’96.

 National Human Resources Committee, 1997-’99.

 Cancer Control Operations Committee, National ACS Board

 Committee, 1998-2002.

 National Public Issues Committee, 1999-2000.

 Incidence and Mortality Reduction Committee of the National

 Board, 1999-2006.

 American Cancer Society representative to American Joint

 Committee on Cancer, 1999-2007; member of AJCC

 Executive Committee 2003-’07.

 National Breast Cancer Advisory Council, Chairman1999-2003;

 Chairman, ACS breast cancer screening guidelines review and recommendations committee, 2002-’03.

 National Nominating Committee, 1999-2007 and 2009.

 Breast Cancer prevention Forum, ACS National Forum, 2000-’01.

 National Board of Directors ACS Cancer Action Network

 (ACS CAN) (501c4), founding member 2000-’01.

 National Board of Directors, ACS CAN, member 2004-’06.

 National Research and Medical Affairs Committee, member 2001-

 ’07 (Chairman 2001-’04).

 National Advocacy and Public Policy Committee, member 2002-’06.

 ACS Global Strategies Advisory Committee, member 2002-2009

 (Founding Chair 2002-’04).

 National Second Vice-President, 2002-’03.

 National First Vice-President, 2003-’04.

 **National President, 2004-’05.**

 Immediate Past President, 2005-’06.

 National Awards Committee, Chairman 2006.

 ACS representative to the Commission on Cancer, 2006-’09.

 ACS Futuring Group, 2007.

 Past Officer Director 2008-‘12.

 Honorary Life Member-2012-present.

 ACS Cancer Action Network (CAN)-President’s Circle 2001- present.

 *Midwest Surgical Association*

 Membership committee, member1994-’95.

 Program committee, member 1996-2001 (chairman 2000, senior advisor 2001).

 Executive Committee 2003-’06 and 2008-2017.

 Editorial Committee, 2004-’07.

 Recorder (officer of MSA and Chair, Editorial Committee) and

 representative to *American Journal of Surgery* editorial

 board, 2008-’11.

 President elect, 2011-’12.

 **President, 2012-’13.**

 **President, MSA Foundation, 2013-2017.**

 *American Board of Surgery*

 Associate Examiner, Chicago, Illinois, 1996 and 2004.

 *Society of Surgical Oncology*

 Corporate Relations Committee, member 1992-’93.

 Government Relations Committee, member 1996-’99.

 Representative to Commission on Cancer, 1998-2003.

 Corporate Relations Committee, 2004-’09.

 Breast Fellowship Program Directors Committee, 2010-2020.

 Breast Disease-site Workgroup, 2017-’20.

 *Other Major Selected Service Activities (Chronological order)*

 Evanston Hospital Tumor Committee, 1984-’96.

 Lurie Comprehensive Cancer Center, Northwestern University,

 member 1984-2009.

 Eastern Cooperative Oncology Group, member Surgical Committee 1987-’90.

 Society of Head and Neck Surgeons membership committee, 1989-

 ’90.

 Eastern Cooperative Group, member Scientific Advisory Committee

 1991-’92.

 Society Head and Neck Surgeons, Awards Committee, member 1992.

 Evanston Hospital Department of Surgery Chairman Search

 Committee, member 1994.

 National Cancer Center Network, member Melanoma Panel, 1996-

 2009.

 Evanston Hospital Department of Psychiatry Chair Search

 Committee, member 1996.

 Commission on Cancer, National Cancer Data Committee,1998-

 2001 (vice chairman 2000-’01).

 Human Resources Committee, Evanston Northwestern Healthcare, 1998-2002 (Vice-chairman 1998-2000 and Chairman 2000- 2002).

 Perioperative Steering Committee, member, Keck Hospital of USC, 2014-’16.

 *Other Major Selected Service Activities (Continued)*

 Chicago Surgical Society, Secretary, 1999-2003.

 Northwestern University Feinberg School of Medicine Alumni Association National Board, 2005- ’11.

 Co-chaired the Breast Health Global Initiative Diagnosis Panel in Budapest, Hungary, October 1-4, 2007.

 Diplomate member, Global Alliance for International Advancement, Diplomate member, 2009-present.

 NorthShore University HealthSystem Operating Room Committee, Chairman, 2006-2009.

 Radiation Oncology Search Committee, University of Southern California, Chair, 2010.

Search Committee for Director, Norris Comprehensive Cancer Center, USC, member, 2011.

Editorial Boards

 Member, *Cancer Practice*, 1999-2002

 Member, *Journal of Surgical Oncology*, 1999-present

Member, *American Journal of Surgery*, 2008-‘20 Member, *Journal of Clinical Oncology*, 2009-2012

 Honorary Member, *Operational Surgery and Clinical Anatomy (Russian)* (Erik Prazdnikov, Editor), 2017-present.

 Member, *Surgery Open Science*, 2019-present.

Editorships

 *Journal of Surgical Oncology*

Section Editor, Hepatobiliary and Pancreas section,2004-’07.

 Deputy Editor, 2007-2013.

 Editor-in-Chief, 2013-present.

Ad hoc Journal Reviewier (current)

 *Journal of Internal Medicine*

CANCER

 *Journal of the American College of Surgeons*

Other

 Abstractor, *Surgery, Gynecology and* *Obstetrics*, International Abstracts in

Surgery, abstractor 1987

Clinical Accomplishments at LAC+USC Medical Center 2015-current-Major

Quality Improvement and Cost Containment Programs

1. Quality Improvement Programs at Los Angeles County Department of Health Services (DHS) and LAC+USC Medical Center, 2015-2022
2. Lean Processes

When assuming the job as medical director of perioperative services in 2015, under the leadership of Dr. Brad Spellberg, Drs. Eric Wei, Chase Coffey, and I instituted the use of Lean technology to evaluate and change multiple processes in the perioperative environment.

-First Time Starts

Historically, prior to 2015, the average percentage of on-time first time starts was 20% in the LAC+USC Medical Center operating room. The first time start initiative convened stakeholders from OR, PACU and ambulatory surgery Nursing, Anesthesiology, Environmental Services, and surgeons to create process over one year, which led to an improvement of first time starts to 80%, where it is maintained to this date. See reference #99.

-Prevention of retained foreign bodies in surgical wounds

Implemented the use of a radio frequency detection system embedded in surgical sponges to prevent retained surgical sponges in patients having emergency surgical procedures. See reference #96.

-Programs designed to Enhance Recovery after Surgery (ERAS)

-Surgical Site Infections

 Implemented pre-operative full-body preparation, which was associated with a substantial decrease in the incidence of surgical site infections. Reference #108.

-Perioperative Hypothermia

 Implemented the use of the Bair Hugger system in the perioperative space, to maintain patients’ temperature in the OR and PACU. Control of temperature has been associated with the incidence of wound infections.

1. Operative Decision-making in COVID patients

When elective operations were suspended in March 2020 because of SARS-CoV-2 (COVID), healthcare providers had to determine the complications accrued by operating on COVID-positive patients. We determined that by operating on carefully screened, asymptomatic COVID-positive patients, it was possible to eliminate major complications and death due to COVID infection. See reference #107.

1. Introduction of a Bariatric Surgery Program

We implemented a bariatric surgery program with the Minimally Invasive Surgery Service and demonstrated that it was feasible in a safety net medical center. Psychological and weight loss components of the preoperative program were instituted with collaborators from multiple services. We initially limited the surgical procedures to sleeve gastrectomy and measured weight loss and rate of remission of diabetes. The program continues to flourish, with the expansion of other types of surgical procedures, such as gastric bypass. See reference #106.

1. Clinical research in Breast Cancer

 -Intraoperative Faxitron specimen imaging

 We implemented an imaging system in the operating room, which allows the surgeon to examine the removed tissue in the OR rather than having the specimen leave the room to be imaged in the Radiology Department. Examining the specimen in real-time in the OR allows the surgeon to determine whether more tissue should be removed, without leaving the OR.

 -Use of MRI to assess response to preoperative chemotherapy

 We determined that the MRI response to preoperative chemotherapy is not accurate enough to serve as a surrogate marker for complete response after treatment. See reference #103.

 -Determination of clinical factors associated with survival after preoperative chemotherapy

 The Multidisciplinary Breast Cancer group at LAC+USC determined how to optimize the use of preoperative chemotherapy to improve survival rates and reduce the extent of surgery after chemotherapy. See reference #109.

 -Use of regional nerve blocks to reduce perioperative pain and the use of narcotics after mastectomy

 We introduced the use of regional nerve blocks prior to surgery in patients having mastectomy, and we demonstrated that they decreased postoperative pain and the use of narcotics after surgery. See reference #104.

1. Reducing morbidity from surgical management of benign inflammatory breast disease

 -Idiopathic Granulomatous Mastitis (IGM)

 IGM is a very uncommon disease of the breast, but we were able to study 285 such patients treated at LAC+USC. We determined that patients with this benign inflammatory breast disease should not be submitted to a surgical procedure, except in very limited cases. This study has changed our treatment algorithm for IGM. See references #110 and 114.

1. DHS Quality Improvement Program (QIP)- use of perioperative strategies to prevent venous thrombosis

 Dr. Paul Giboney asked that I manage the DHS QIP process for prevention of venous thromboembolism, consisting of assuring that patients have either chemical or mechanical prevention prior to and during surgical procedures. We have consistently met the target for compliance of this quality measure, which is one of about 20 measures that we are responsible to meet for the State compliance program.

1. Cost Containment Programs at DHS and at LAC+USC Medical Center, 2015-2022
2. DHS Perioperative Supply Chain and Value Analysis (SCOVA) Committee

I became the co-chair of the SCOVA Committee in 2015, when I became the Medical Director of Perioperative Services at LAC+USC. The committee meets monthly to evaluate supply contracts for Perioperative Services at all DHS facilities.

 -System-wide process for evaluating and purchasing new surgical products

In 2015, we established a process to bring forward new surgical products for evaluation and purchase by DHS. Requests for potential new products are forwarded to the committee by surgeons across the DHS. After initial discussion at the SCOVA committee, potential new products are forwarded to the appropriate physician workgroup for formal trial. If the trial proves that a potential new product is a valuable addition to the OR, then the Value Analysis is performed. When the analysis is complete, the potential new product is returned to the SCOVA committee for further discussion and possible approval. The institution of this process has resulted in multiple significant advances in the perioperative space, while controlling the costs of the products. Several examples of the results of the SCOVA evaluation process are listed below.

 -Orthopedic spine implants

 We determined that vendors were significantly overcharging the DHS for implants for spine surgery. By restructuring the process by which vendors are permitted to provide these implants to DHS, we saved over $2 million dollars during the first year of implementation.

 -Cordless, lighted retractors

 We introduced the use of cordless lighted retractors in the operating rooms. We determined that we saved $500 per case by changing vendors and products. These retractors are now used in breast and plastic surgery cases at all DHS facilities.

 -Consignment of neurosurgical and orthopedic instruments at LAC+USC

 To reduce the turnover of specialized instruments and reliance on vendors to deliver instruments in a timely manner, we created a consignment of instruments for neurosurgery and orthopedic surgery. This new process has remarkably changed the waiting times to get instruments into the operating room for emergency surgery. The challenge has been to balance between pricing of instruments and storage shelf space in each hospital’s central supply.

1. DHS Expected Practice on determining the gene profiles for breast cancer

As the representative from LAC+USC on a special workgroup, in 2019 we implemented the use of the Oncotype DX Recurrence Score Test for breast cancer. The test saves the DHS over $1.5 million dollars per year by significantly reducing the number of patients who receive chemotherapy after surgery for breast cancer.

1. Perioperative management of acute cholecystitis

To reduce the length of stay for patients who need for urgent cholecystectomy for acute biliary tract disease, DHS Finance and the LAC+USC Medical Center Chief Medical Officer assisted us in hiring a new biliary tract surgeon. This surgeon has now done well over 100 gallbladder operations, and the workflow for clinical management of these patients has been streamlined to expedite surgical procedures. Cost analysis of this recruitment is in progress.

1. Expansion of weekend Operating Room time to reduce hospital length of stay and decrease backlogs for urgent surgery

To reduce the length of stay for patients requiring urgent surgical procedures, we expanded operating room services during weekend hours, which resulted in a 20% increase in the number of operations done on weekends. This new process has had the added benefit of reducing overcrowding of operating rooms early in the week.

1. Research Activities

 Major Areas of Research Interest

 Dr. Sener began his basic science research career investigating the etiology of hyaline membrane disease in neonates, helping to identify the pathway of surfactant synthesis in the Mavis Laboratory at Northwestern University Medical School Department of Biochemistry.

 Subsequently, as a surgical resident in the Northwestern program he contributed to the elucidation of the natural history of radiation-induced thyroid cancer at the Evanston Hospital Thyroid Evaluation Clinic, under the auspices of Edward F. Scanlon MD.

 Perhaps Dr. Sener’s most significant contributions have been in outcomes research, beginning at a time when survival analyses for cancer were referred to as “end results reporting.” As a junior faculty member at Northwestern, he served as the volunteer Chairman of the Cancer Incidence and End Results (CIER) Committee of the American Cancer Society (ACS) Illinois Division in the mid to late 1980’s. This was at a time when there was no formal cancer registry system in Illinois, leaving the task of mortality results reporting to the ACS and the CIER Committee.

 Dr. Sener and his colleagues were among the first to report disparities in outcomes within Illinois from breast, ovarian, and pancreatic cancers related to patient insurance status, geographic location, and hospital volumes. Making individual hospital results visible to the public at that time facilitated the evolution of the concepts of ‘quality care’ and ‘health care access’ into current lexicon and consciousness. Indeed, the ACS CIER Committee in Illinois and other early state cancer registries led to the development of the National Cancer Database by David P. Winchester MD (partner of SFS at Evanston) et al. at the Cancer Department of the American College of Surgeons. The database is currently housed within the Commission on Cancer and serves as a significant resource for the evaluation of cancer care for about 85% of all cancer patients diagnosed annually in the USA.

 Two areas of focus from Dr. Sener’s peer-reviewed publications are noteworthy: *first,* a new surgical technique was created and perfected, in which conventionally unresectable liver and vena cava tumors were resected and vessels reconstructed using cardiopulmonary bypass and circulatory arrest (references 40 and 57); *second,* a substantial body of work came directly from the clinical research breast cancer database which Dr. Sener established in 1988 and maintained until 2009. Dr. Sener and colleagues were among the first surgical investigators to systematically study and report the technique and outcomes from sentinel node mapping in breast cancer (reference 49). Among these publications was the first report in the Russian surgical literature on the use of radio-isotopes to map sentinel nodes for breast cancer (reference 56). Perhaps the most significant work from this database was published in 2009 (reference 77), which described the effects of hormone replacement therapy on the biology and survival rates of breast cancer.

 Research in Progress

Research goals are related to clinical research in breast cancer:

1. facilitate trials in innovative breast surgery techniques, such the Axillary Reverse Mapping (Alliance Trial), wire-localization of lymph nodes for sentinel node biopsy after neoadjuvant chemotherapy;

 2. clinical research regarding MRI and ultrasound evaluation of breast cancer patients.

 Research Grants

1. “Multimedia Information for Breast Cancer Patients”, $30,000

290-97-003. Agency for Health Care Policy.

 Principal Medical Investigator, 1997.

 Patient education materials, primary responsibility

 for medical content. Phase I Small Business and

 Innovative Research Program contract. (5% in effort)

1. “Use of Manual Lymphatic Drainage in the Prevention $74,107

 of Lymphedema in Women Having Breast Cancer

 Surgery and Sentinel Lymph Node Biopsy With or

 Without Axillary Dissection,” Grant Number EH02-122,

 Susan G. Komen Breast Cancer Foundation, Principal

 Investigator, 2001-2008.

 Results collected in breast cancer database designed

 by Dr. Sener. (5% in effort)

1. Invited Lectures

Distinguished (including Visiting Professorships)

1. “Sentinel Lymphadenectomy for Breast Cancer.” Moscow Surgical Society and the Russian Academy of Medical Sciences, Moscow, Russia, October 5, 2000.
2. “Sentinel Lymphadenectomy for Breast Cancer.” Visiting Professor. Hackensack University Medical Center (Richard Davies MD), Hackensack NJ, November 4, 2003.
3. “Global Fight Against Cancer.” International Breast Cancer Forum (Keynote address). Beijing, China. February 22, 2005.
4. “Global Fight Against Cancer and the American Cancer Society 2015 Goals.” Visiting Professor, Metro Health, Case Western Reserve University, Cleveland, Ohio, July 19, 2005.
5. “If We Don’t Think Forward, We’ll Wish Backward: An Analysis of the Failing US Healthcare System.” Visiting Professor, Michigan State University, Grand Rapids Medical Education and Research Center, Grand Rapids, Michigan, March 14-15, 2006.
6. “Cancer in the USA 2006.” Plenary address at the Chinese American Surgical Oncology Week Educational Symposium, Beijing Cancer Hospital, Peking University, Beijing, China, May 8, 2006.
7. ‘Are We Making Progress in the War on Cancer?’ Presented at Moffitt Cancer Center, Tampa, Florida on the 60th anniversary of the ACS Research Program, July 31, 2006.
8. “Global fight Against Cancer-2007.” Delivered the 39th annual Danley P. Slaughter Memorial Lecture, St. Francis Hospital, Evanston, Illinois, hosted by Matthew Hyser MD, Chair Department of Surgery, October 30, 2007.
9. “Personal lessons learned in establishing breast cancer detection programs at home and abroad.” Philips Corporation, Andover, Mass., March 26, 2009.
10. “Gene Expression Profiling as Prognostic and Predictive Factors in Breast Cancer.” And “Global Fight Against Cancer 2010.” Visiting Professor, Southern Illinois University, Gary Dunnington MD host and Chair of Department of Surgery. September 8-9, 2010. Springfield, Illinois.
11. “Global Fight Against Cancer-2010.” Visiting Professor, City of Hope, Duarte, CA., hosted by Joseph Kim MD. November 18, 2010.
12. “On Mentorship.” Invited presentation at the *Festschrift* of Dr. Ivan Ciric. Evanston Hospital. January 28, 2011.
13. “Gene Expression Profiling as Prognostic and Predictive Factors in Breast Cancer.” UCLA Surgical Grand Rounds. April 20, 2011.
14. “Neoadjuvant Therapy for T2-T4 Breast Cancers.” American College of Surgeons Postgraduate Course #23, American College of Surgeons meeting, October 25, 2011, San Francisco, CA.
15. “Making the Case for Breast Cancer Screening,” and “Breast Cancer Multidisciplinary Case Presentations.” T Hart Baker Annual Symposium for SoCal Kaiser Permanente Obstetricians/Gynecologists, Santa Barbara California. November 14, 2011.
16. “Has Medical Diplomacy Reached an Inflection Point?” Presidential address for Midwest Surgical Association, Traverse City, MI., July 30, 2013.
17. “Global fight Against Cancer: 20-Year Odyssey in International Medicine.” Visiting Professor, City of Hope, March 5, 2015.
18. “Controversies in Axillary Surgery 2016.” Santa Barbara Cottage Hospital, Santa Barbara, CA., June 8, 2016.

19. “Advances in Axillary Surgery for Breast Cancer 2019.” 2nd Annual USC Lymphedema Symposium. Santa Monica, CA. June 8, 2019.

20.“Surgery for *de novo* Stage IV Breast Cancer.” 9th Annual USC Breast Cancer Symposium. Los Angeles, CA. January 22, 2022.

21. “Advances in Axillary Surgery 2022.” Multidisciplinary Oncology Grand Rounds, Tufts University Medical Center (Sarah Persing). via Zoom. March 18, 2022.

22. “Oncologic Advances in Regional Node Surgery.” 3rd Annual USC Lymphedema Symposium. Santa Monica, CA. June 25, 2022.

23. “Enhanced Recovery After Surgery (ERAS): Does it Work?” 28th Annual USC National Trauma, Critical Care, and Acute Care Surgery Symposium. Pasadena, CA. June 30, 2022.

International

1. “Establishment of a Cancer Genetics Program: Breast and Colorectal

 Cancers as Models.” Second World Conference for Cancer

 Organizations, Atlanta, Georgia, May 20, 1999.

2. “Hepatic Resection using Hepatic Vascular Exclusion Techniques.”

 Central Clinical Railroad Hospital Semashko, Moscow, Russia. May 24,

 1999.

 3. “Molecular Staging of Melanoma.” Central Clinical Railroad Hospital Semashko, Moscow State Medical and Dental University, Moscow, Russia, May 22, 2000.

 4. “Update on Sentinel Lymphadenectomy for Breast Cancer.” Moscow

 State University Central Clinical Hospital Semashko, Moscow, Russia,

 October 30, 2003.

 5. “Colon Cancer Screening in the USA.” 10th Hong Kong International

 Cancer Conference. Hong Kong, China, November 20, 2003.

 6. “International Partners Program, American Cancer Society.” World

 Conference on Cancer Organizations, Dublin, Ireland, November 19,

 2004.

 7. “Youth Tobacco: An International Epidemic.” American Cancer Society

 University, Dublin, Ireland, November 20, 2004.

 8. “Survival rates for breast cancers detected in a community service

 screening mammogram program.” Presented at Midwest Surgical

 Association 48th Annual Meeting, Niagara-on-the-Lake, Ontario,

 Canada, August 16, 2005.

 9. Collaborations to Advance Breast Cancer Control in China.” Presented at the World Conference on Tobacco or Health, Washington, DC, July 9, 2006.

10. “Update on the One Million Women China Mammogram Program.” Breast Health Global Initiative, Detection Panel, Budapest, Hungary, October 1, 2007.

11. “Making the Case for Breast Cancer Screening in Russia.” Invited presentation at “Modern Approaches to Prophylaxis of Oncologic Diseases in Women.” December 11, 2011. St. Petersburg, Russia.

12. “Common Breast Problems in Adolescents.” Invited presentation at the XVII Summit of the Union of Pediatricians of Russia, Moscow, Russia, February 15, 2013.

13. “A Model of Care for Breast Cancer Rehabilitation.” Invited presentation to Svetlana Medvedeva (Former First Lady) and her cabinet, Moscow, Russia, February 16, 2013. Accompanied by Drs. Carmen Puliafito, Vladimir Zelman, and Christy Russell.

14. “Making the Case for Breast Cancer Screening.” Invited presentation on behalf of the National Breast Cancer Association of Uzbekistan (Shakhnoza Umarova, Director) at “The State of Personalized Medicine and Modern Aspects of Breast Cancer Screening and Prevention.” Tashkent, Uzbekistan, February 18, 2013. Accompanied by Drs. Zelman and Russell.

15. “Axillary Surgery and Lymphedema.” 5th World Symposium for Lymphedema Surgery. Ming-Huei Cheng, Moderator. Chang Gung Memorial Hospital, Taoyuan, Taiwan, April 28, 2016.

16. “Six Concepts for Treatment of Locally Advanced Breast Cancer.” For combined new Departments of Surgery and Anesthesiology. Novosibirsk State University, Novosibirsk, Russia by Teleconference, July 20, 2017.

17. “Treatment for Locally Advanced Breast Cancer.” 13th Brazilian Congress of Surgical Oncology. Rio de Janeiro, Brazil. October 28, 2017.

18. “Surgery for *de novo* Stage IV Breast Cancer.” 13th Brazilian Congress of Surgical Oncology. Rio de Janeiro, Brazil. October 28, 2017.

19. “Advances in Axillary Surgery for Breast Cancer 2019.” 8th World Symposium on Lymphedema Surgery. Chang Gung Memorial Hospital, Taoyuan, Taiwan. April 29, 2019.

20. “Controversies in Axillary Management of Breast Cancer.” 14th Brazilian Congress of Surgical Oncology. Rio de Janeiro, Brazil. October 24, 2019.

21. “Locoregional Therapy in *de novo* Stage IV Breast Cancer.” 14th Brazilian Congress of Surgical Oncology. Rio de Janeiro, Brazil. October 24, 2019.

22. “Use of LEAN Methods in Perioperative Services at a Safety Net Hospital.” Virtual for Gonzalo Matteo (gonzalo.mateo@arsantia.com), Centro Argentino de Investigacion en Gestion Sanitaria, Arsantia, Buenos Aires, Argentina. October 15, 2021.

23. “Positive and Close Margins in DCIS.” 15th Brazilian Congress of Surgical Oncology. Salvador, Brazil. Virtual. November 16-18, 2021. Recorded October 19, 2021.

24. “Surgical Management of the Axilla in the Era of RxPONDER and MonarchE.” European Society of Medical Oncology Annual Symposium. Paris, France. September 10, 2022.

25. “Surgical Management of the Axilla in the Era of RxPONDER and MonarchE.” Rhenium Oncotest Symposium, Tel Aviv, Israel. September 16, 2022.

Other Invited Lectures

1. “Lumpectomy and radiation therapy in the treatment of small breast cancers.” St. Anthony’s Medical Center, Tampa, Florida, April 1985.
2. “Annual update on activities of the Cancer Incidence and End Results Committee of the American Cancer Society Illinois Division.” Annual meeting of American Cancer Society Illinois Division, presented annually at Illinois Division meeting, Chicago, Illinois, yearly from 1987-1991.
3. “Breast Cancer-Selection of local therapy in the Elderly. American College of Surgeons meeting, course. 16., Chicago, Illinois, October 1987.
4. “Breast evaluation and operative strategy for small breast cancers.” Northern Illinois registered radiation technologists, Deerfield, Illinois, April 1987.
5. “Benefits of screening mammography.” Glenview Wellness Seminar, Scott Foresman and Co., Glenview, Illinois, April 1987.
6. “Importance of tumor registries.” Annual commencement address Illinois Certified Tumor Registrars Training School, Chicago, Illinois, yearly from 1987-1991.
7. “Limitations of mammography in the identification of occult breast cancers.” Chicago Surgical Society, February 1989.
8. “Reconstruction of pelvic floor using mesh techniques.” Eastern Cooperative Oncology Group, Lake Buena Vista, Fla., November 1990.

 9. “Management of inflammatory breast cancer.” Northwestern University Department of Surgery course, Chicago, Illinois, December

 12, 1990.

10. “Benefits and pitfalls of screening mammography.” Lake County

 Medical Society, Woodstock, Illinois, May 1991.

11. “Identification and treatment of hepatic metastases from colorectal

 cancer.” Northwestern University Department of Surgery course,

 Chicago, Illinois, December 1991.

12. “Screening mammograms and breast cancer mortality.” Kishwaukee Hospital Continuing Education Symposium, Rockford, Illinois, April 1992.

13.“Recent advances in diagnostic radiology: aids to the surgeon in the evaluation of the equivocal mammogram.” St. Joseph Hospital Continuing Education Symposium. Elgin, Illinois, January 1993.

14.“Cancer control.” Sixth annual Malnati Symposium, Lurie Cancer Center Northwestern University, Panel moderator, June 16, 1995.

15.“Hepatic and vena cava resection using cardiopulmonary bypass and hypothermic circulatory arrest.” Midwest Surgical Association, Traverse City, Mich., August 14, 1995. Chicago Surgical Society, February 29, 1996.

16.Moderator Scientific Session, Midwest Surgical Association, Saw Mill Creek, Ohio, August 12, 1987.

1. “Breast Cancer Susceptibility Genes.” Sherman/St. Joseph Hospitals CME Consortium, Lake Geneva, Illinois. April 29, 1998.
2. “Spectrum of mammographically detected cancers”, presented at Midwest Surgical Association at Mackinac Island, Michigan, August 8, 1998.
3. Moderator Scientific session, Midwest Surgical Association, Mackinac Island, Michigan, August 18, 1998.
4. “Sentinel node excision for breast cancer: experience with 180 patients.” Illinois Physician Assistant annual meeting, Oak Brook, Illinois, October 4, 1998.
5. “Breast Cancer Susceptibility Genes.” Chicago Medical Society, Midwest Clinical Conference, Chicago, Illinois. February 16, 1999.
6. Moderator Scientific session, Society of Surgical Oncology, “Symposium on Genetic Susceptibility Testing”, Orlando, Florida, March 7, 1999.
7. Moderator scientific session, Midwest Surgical Association, Galena, Illinois, August 17, 1999.
8. “Molecular Staging of Melanoma.” Mt. Sinai Hospital, Finch University Health Sciences / The Chicago Medical School, Chicago, Illinois, February 17, 2000.
9. Moderator scientific papers session and clinical case presentation session, Midwest Surgical Association, Mackinac Island, Michigan, August 13th and 14th, 2000.
10. “Cancer Surgery in Latvia” ENH Surgical Grand Rounds, Evanston, Illinois, June 26, 2001.
11. “Continuing Experience with Hepatic and Vena Cava Resection Using Cardiopulmonary Bypass and Hypothermic Circulatory Arrest.” Presented at 44th Annual Meeting of Midwest Surgical Association, Lake Geneva, Wisconsin, August 14, 2001.
12. “Lymphedema after axillary lymphadenectomy for breast cancer.” Invited speaker at the National Lymphedema Network 5th International Conference, Chicago, Illinois, August 29, 2002.
13. “Breast cancer screening in 2002.” ENH Medical Grand Rounds, Evanston, Illinois, September 6, 2002.
14. “Experience with sentinel lymphadenectomy for breast cancer, 1996-2003.” Hormone and Signal Transduction Group, Northwestern University Lurie Cancer Center, Evanston, Illinois, May 1, 2003.
15. “Breast cancer 2003: update on screening and surgical treatment.” Virginia Academy of Family Physicians, Williamsburg, Virginia, July 19, 2003.
16. “Early Detection of Cancer.” American Cancer Society University, Oakland California. Health ministers and cancer center directors from China, Taiwan, Viet Nam, Malaysia, India, Philippines, Thailand, and Bangladesh, September 19, 2003.
17. “Update on Surgical Oncology for the General Surgeon.” American College of Surgeons Spring Meeting, Boston MA, April 26, 2004.
18. “Update on Breast Cancer 2004.” Surgical Grand Rounds at Mt. Sinai Hospital, Chicago, Illinois, June 17, 2004.
19. “Breast Cancer 2004 for Family Physicians.” Alabama Association of Family Practitioners, Symposium of the Alabama Coalition for Cancer Control. Sandestin, Florida. June 25, 2004.
20. “Mission of the American Cancer Society in the 21st Century.” And “Update on Surgical Management of Breast Cancer 2004.” 6th International Conference on “New Frontiers in Lymphedema Research and Therapy,” sponsored by the National Lymphedema Network. Reno, Nevada. October 20, 2004.
21. “Analysis of the Failing US Healthcare System.” Medical Grand Rounds at ENH, Evanston, Illinois, September 22, 2006.
22. “American Cancer Society Global Tobacco-free Vision.” International Press Corps Educational Forum hosted by Pfizer, Museum of Science and Industry, Chicago, Illinois, June 6, 2007.
23. “The Effect of Hormone Replacement Therapy (HRT) on Breast Cancer Biology and Survival.” Presented at the 51st Annual Meeting of the Midwest Surgical Association, Mackinaw, Michigan, August 5, 2008.
24. “Thyroid Cancer. An Intricate Web Gives Way to Logical Thinking.” Hematology-Oncology Grand Rounds, Children’s Hospital of Los Angeles, April 6, 2011.
25. “Breast cancer screening for the gynecologist.” 55th Annual T Hart Baker Obstetrics and Gynecology Symposium. November 12, 2011. Santa Barbara, CA.
26. “The role of axillary ultrasound in the detection of axillary metastases from primary breast cancers.” Presented at Midwest Surgical Association, August 6, 2012, at Mackinac Island, MI.
27. “Challenging Cases from the USC Multidisciplinary Breast Conferences.” Presented at the 18th Annual *Perspectives in Breast Cancer* Conference, New York, NY. August 18, 2012.
28. Best of ASCO. 2015 Annual Meeting. “Breast Surgery from the 2015 ASCO Annual Meeting.” Orlando, Fla. June 28, 2015.
29. “Controversies in Axillary Surgery.” Northern California American College of Surgeons Annual Symposium. May 16, 2015, Monterey, CA.
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 Peer Reviewed Publications

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 enzymes of phospholipid metabolism. *Lipids* 1976; 11(2):109-112.

1. **Sener SF**, Scanlon EF, Paige ML. Potential of xeroradiographic examination of the breast with respect to menopausal status and location of pathological findings. *Breast* 1977; 3:39-42.
2. Winchester DP, **Sener SF**, Khandekar JD, Oviedo MA, Cunningham MP, Caprini JA, Burkett FE, Scanlon EF. Symptomatology as an indicator of recurrent metastatic breast cancer. *Cancer* 1979; 43:956-60.
3. Russ JE, Scanlon EF, **Sener SF**. Parathyroid adenomas following irradiation. *Cancer 1979; 43:1078*-83.
4. **Sener SF**, Scanlon EF, Garces RM, Khandekar JD, Murphy ED. Preoperative physical assessment of thyroid glands in previously irradiated patients. *Am J Surg* 1979; 138:666-67.
5. Scanlon EF, Burkett FE, **Sener SF**, Green OC, Traisman HS, Marr TJ, Christ ML. Breast carcinoma in an eleven year old girl with Albright-McCune Syndrome. *Breast* 1980; 6(1):6-9.
6. **Sener SF**, Scanlon EF. Irradiation-induced salivary gland neoplasia. *Ann Surg* 1980; 191(3):304-306.
7. **Sener SF**. Experience with radiation-induced head and neck tumors at Evanston Hospital. *Cancer Focus* 1980;3(3):8-14.
8. Scanlon EF, **Sener SF**. Head and neck neoplasia following irradiation for benign conditions. (Invited review). *Comprehensive Therapy* 1981; 7(12):59-63.
9. **Sener SF**, Brown JB, Hyatt CL, Rosenberg SA. Serum reactivity of patients with melanoma and osteosarcoma to cultured tumor cells and fibroblasts using the immune adherence assay*. Cancer Immunol and Immunotherapy* 1981; 11:243-250.
10. Scanlon EF, **Sener SF**. Head and neck neoplasia following irradiation for benign conditions (invited review). *Head and Neck Surg* 1981; 11/12:139-145.
11. Caprini JA, **Sener SF**, Scanlon EF. Review of altered coagulability in cancer patients. Ca: *Cancer Journal for Clinicians* 1982; 32(3):162-72.
12. Raviv G, Markie ME, Scanlon EF, **Sener SF**, Epstein M. In vivo holography of vocal cords. *J Surg Oncol* 1982; 20:213-217.
13. Immerman SC, **Sener SF**, Khandekar JD. Causes and evaluation of tumor-induced hypoglycemia. *Arch Surg* 1982; 117:905-908.
14. Backer C, **Sener SF**, Scanlon EF. Complication of drainage systems after modified radical mastectomy. *Arch Surg* 1983; 120:458-59.
15. Winchester DP, **Sener SF**, Immerman SC, Blum M. Systematic approach to the evaluation and management of breast masses. *CANCER* suppl. 1983; 51(12):2525-2529.
16. **Sener SF**, Brennan MF. Current management of patients with gastrinoma. *Surg Dig Dis* 1983; 1:169-178.
17. **Sener SF**, Miller H, DeCosse JJ. Spectrum of familial polyposis. *Surg Gynecol Obstet*; 1984;159:525-532. PMID 6505938.
18. **Sener SF**, Spiro RH, Shah JP. Identical laryngeal cancers in two non-twin sibling pairs: case report and review of the literature. *J Surg Oncol* 1985; 29(2):118-122.
19. Scanlon EF, **Sener SF**, Murphy ED. Early onset of tetany following thyroidectomy: report of two cases*. J Surg Oncol* 1985; 29(4):222-223.
20. Dalton D, Dalkin B, **Sener SF**, Blum M. Enterovesical fistula secondary to mucinous adenocarcinoma of the appendix. *J Urol* 1987; 138:617-618.
21. Lloyd JS, **Sener SF**, Duncan ED, Bundra SJ, Niedenthal AE. Clinical performance for residents in two specialties: a feasibility study. *Proc Annu Conf Res Med Edu*c; 1987;26:96-100.
22. **Sener SF**, Candela FC, Paige ML, Bernstein JR, Wiinchester DP. The limitations of mammography in the identification of noninfiltrating breast cancer. *Surg Gynecol Obstet* 1988;167:135-140.
23. **Sener SF**, Imperato JP, Chmiel J, and other members of the Cancer Incidence and End Results Committee of the American Cancer Society, Illinois Division. The use of cancer registry data to study preoperative serum carcinoembryonic antigen level as an indicator of survival in colorectal cancer. *Ca-A Cancer Journal for Clinicians* 1989;39(1):50-57.
24. **Sener SF**, Imperato JP, Blum MD, Ignatoff JM, Soper TG, and Winchester DP. Pelvic floor reconstruction with polyglycolic (vicryl) mesh: technique and complications. *Surg Gynecol Obstet* 1989; 168(6):475-480.
25. **Sener SF**, Fremgen A, Imperato JP, Sylvester J, Chmiel J, and other members of the Cancer Incidence and End Results Committee of the American Cancer Society, Illinois Division. Pancreatic cancer; a report by 88 Illinois hospitals on 2,401 patients diagnosed 1978-’84. *American Surgeon*; 1991;57(8):490-494.
26. Hand R, **Sener SF**, Imperato JP, Sylvester J, Fremgen A, and Chmiel J. Hospital variables associated with quality of care for breast cancer patients. *JAMA* 1991; 266(24):3429-3432.
27. Guinan P, Randazzo R, Vogelzang N, **Sener SF**, Chmiel J, Fremgen A, Sylvester J, and other members of the Cancer Incidence and End Results Committee of the American Cancer Society, Illinois Division. Renal pelvic transitional cell cancer: the role of the kidney in TNM staging. *CANCER 1992;* 69(7):1773-1775.
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31. Hand R, Fremgen A, Chmiel JS, Recant W, Berk R, Sylvester J, **Sener SF**. Staging procedures, clinical management, and survival outcome for ovarian carcinoma*. JAMA* 1993; 269(9):1119-1122.
32. Balich SM, Khandekar JD, **Sener SF**. Cancer of the male breast presenting as an axillary mass. *J Surg Oncol* 1993; 53(1):68-70.
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Illinois hospitals on cases diagnosed in 1972-’80. American Cancer

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Cunningham MP, Duda R, Recant W, Straus F, editorial chairmen.

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11. Cancer Incidence and End Results Committee, **Sener SF**, chairman.

Ovarian cancer: a report by 77 Illinois hospitals on patients

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 Report No. 16. Breast cancer: a five-year follow-up report by 101

 Illinois hospitals on recurrence and survival for patients diagnosed in

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 Cancer in Illinois. Report No. 18. A report by 66 Illinois hospitals on

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Posters and/or Abstracts

1. Imperato JP, **Sener SF**, Chmiel JS, and other members of the Cancer Incidence and End Results Committee of the American Cancer Society Illinois Division. Colorectal cancer in Illinois: demographics, treatment results and prognostic indicators in 7,791 patients treated 1976-’78. Abstract and poster presentation. Proc ASCO 1988; 7:88.
2. Knop RH, Victor TA, Winchester DP, **Sener SF**, Nechi DM, Springer PR. Multinuclear NMR studies of breast cancer: in vivo and in vitro results. Abstract. Breast Cancer Treatment and Research 1989;14:180.
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2. Clare S, **Sener SF**, Wilkens W, Goldschmidt R, Merkel D, and Winchester DJ. Prognostic significance of occult metastases in node-negative breast cancer. Abstract and poster presentation. Society of Surgical Oncology Symposium 1996; 38(#P1).
3. **Sener SF**, Winchester DJ, Winchester DP, Barrera E. Efficacy of

filtered sulphur colloid with overnight migration time in sentinel

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2. Yamashita M, Little E, Fraley J, Hovanessian-Larsen L**, Sener SF**. The role of axillay ultrasound in the detection of metastases from primary breast cancers. Abstract and poster presentation. San Antonio Breast Cancer Symposium, San Antonio Tx, 12-8-11.
3. Rayhanabad J, Valente SA, Weng-Grumley JG, **Sener SF**, Silverstein. Palpability: a poor prognostic finding in patients with invasive breast cancer. Abstract and poster presentation. American Society of Breast Surgeons, Washington DC, April 29, 2011.
4. Valente SA, Levine G, Silverstein MJ, Rayhanabad JA, Weong-Grumley JG, Li l, Holmes DR, Sposto R, **Sener SF**. Predicting axillary node-positivity using clinical exam, mammography, ultrasonography, and MRI. Abstract and poster presentation. American Society of Breast Surgeons, Washington DC, April 29, 2011.
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6. Korah MP, **Sener SF,** Tripathy D. Implications of omitting radiation after breast conserving surgery in elderly women with low risk invasive cancer. Oral presentation (Abstract 84) at the 54th Am Soc Therapeutic Radiol annual meeting in Boston, MA, October 29, 2012. Intl J Rad Onc Biol Phys 2012;84 (3):S34.
7. Rashtian A, **Sener SF,** MacDonald H. Local recurrence after breast conservation therapy and intra-operative radiation therapy (IORT) for invasive cancer. Poster presentation at Am Soc Therapeutic Radiol, March, 2012. Int J Rad Oncol, Biol, Phys 2012;84(3):S261-262.
8. Rashtian A, **Sener SF,** MacDonald H. IORT for Duct Carcinoma In-situ: a single institution study. Poster presentation at Am Soc Therapeutic Radiol, Boston, MA, October 2012.
9. Wehner T, Kopkash K, Woodworth A, Kent V, Lang J, Silberman H, MacDonald H, Sheth P, **Sener SF**. Preoperative Axillary Ultrasound (AUS) for identification of sentinel lymph nodes in breast cancer. A poster presentation at the Society of Surgical Oncology Annual Meeting, Washington DC, March 2013.
10. Korah MP, **Sener SF**, Tripathy D. The impact of post-mastectomy radiotherapy in intermediate-risk breast cancer patients with limited axillary disease. Poster presentation at Am Soc Therapeutic Radiology, October 2013. Intl J Rad Onc Biol Phys 2013;87(2):S230.
11. Poole B, Wecsler J, Sheth P, **Sener SF,** Tripathy D, Yamashita M, Wang L, Russell C, Johnson M, Larson L, Lang J. Contemporary upgrade rates on excisional biopsy for radiology-pathology discordant core biopsies. Poster presented at Society of Surgical Oncology Annual Meeting, Phoenix AZ, March 2014.
12. Wecsler J, Raghavendra A, Ji L, Groshen S, Tripathy D, Yamashita M, Sheth P, **Sener SF,** Russell C, MacDonald H, Lang J. Sensitivity of MRI for detection of occult lesions in newly diagnosed breast cancer. Poster presentation at American Society of Breast Surgeons Annual Meeting, Las Vegas, NV, May 2014.
13. **Sener SF**, Lang J, Wehner P. Preoperative axillary ultrasound in the identification of sentinel lymph nodes in breast cancer. Poster with podium presentation at Pacific Coast Surgical Association, Dana Point, CA, February 2014.
14. Wecsler JS, Zhu W, Mineyev N, Punj V, Tripathy D, Ring A, **Sener SF**, Lang JE. Rapid processing algorithm for CTC enumeration and RNA isolation in breast cancer. Poster at Society of Surgical Oncology Annual Symposium, Phoenix, AZ, March 2014.
15. Tung, L Liu CW, Singareeka A, Carey J, Sposto R, Schechter N, MacDonald H, Baker R, **Sener SF**, Lang JE. Factors leading to lower rates of immediate breast reconstruction in a public safety-net hospital. Poster presentation, American Society of Breast Surgeons, Orlando, Fla., April 2015.
16. Barrak D, Tung L, Ayoub Z, Ring A, Raghavndra A, Tripathy D, **Sener SF**, MacDonald H, Nelson M, Bhasin M, Lang JE. Incidence rate and outcomes for palpable ductal carcinoma in situ in the contemporary era. Submitted to the American Society of Breast Surgeons Annual 2016 Meeting.
17. Wecsler J, Raghavendra A, Mack W, Tripathy D, Yamashita M, Hovanessian-Larsen L, **Sener SF,** Russell CA, MacDonald H, Lang JE. Predictors of MRI detection of occult lesions in newly diagnosed breast cancer. Poster at San Antonio Breast Cancer Symposium 2015, December 11, 2015, San Antonio, Tx.
18. Barrak D, Tung L, Ayoub Z, Ring A, Raghavendra A, Tripathy D, **Sener SF**, MacDonald H, Nelson M, Bhasin M, Lang JE. Incidence rate and outcomes for palpable ductal carcinoma in situ in the contemporary era. Poster at the American Society of Breast Surgeons 2016 Annual meeting, April 15, 2016, Dallas, Tx.
19. Sprunt J, Barrak D, Morocco E, Pan E, Wu G, Tung L, Wecsler J, Raghavendra AS, Ragab O, Chung E, Tripathy D, Schechter A, Russell CA, Sener SF, Lang JE. A matched pair cohort study of the effect of neoadjuvant chemotherapy in Stage I-III breast cancer. Poster at the 2016 Society of Surgical Oncology Annual Symposium, March 3, 2016, Boston, MA.
20. Granat A, Brizuela M, Macdonald H, Nelson ME, Felix JC, **Sener SF.** The treatment conundrum for idiopathic granulomatous mastitis. Poster at the 2017 American Society of Breast Surgeons, April 26, 2017. Las Vegas, NV.
21. Wecsler JS, Karim, R, Ma Y, Nelson ME, **Sener SF,** Russell CA, Spicer D, Lu J, Lang JE. A comparison of tumor biology based on Genomic Health Oncotype DX recurrence scores in a private cancer center versus a public safety-net hospital. Poster at the American Society of Breast Surgeons, April 26, 2017. Las Vegas, NV.
22. Kiran S, Nelson ME, Ring A, Johnson M, Sheth P, Ma Y, **Sener SF,**  Lang JE. Intraductal papillomas: to excise or not to excise? Poster at the American Society of Breast Surgeons, April 26, 2017. Las Vegas, NV.
23. Kang, I. D’Souza A., Spicer, D., Lang, J., Nelson, M. **Sener, SF**., Silberman, H. and Lu, J. Review of Next Generation Sequencing Outcomes in Patients with Metastatic Breast Cancer. Poster, American Society of Clinical Oncology, June 3 2017.
24. Wei E, Cho ES, Luu A, Ho M, Coffey C, Amaya R, Pecson M, Dalton FV, Kahaku D, Spellberg B**, Sener SF.** Lean methods to improve operating room first case on-time starts in a large, urban, safety net medical center. Abstract submitted to American Surgical Association. 9-23-17.
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26. Verm R, Feinstein FR, Oppenheim B, Sullivan M, Inaba K, **Sener SF**, Starnes VA, Kiankhooy A. Implementation and assessment of a formal wellness program on resident and fellow burnout across a department of surgery. Virtual presentation by RA Verm at 2020 American College of Surgeons meeting. *J Am Coll Surg* 2020;231(4S1):S248.

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