CURRICULUM VITAE

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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.

Once his oncology training was completed in 1984, Dr. Sener returned 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 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 is the Program Director for the Breast Surgery Fellowship (accredited by the Society of Surgical Oncology). And, he is the Associate Program Director for the General Surgery Training Program (which he swore he would never do again). In April 2015, he was appointed as Chief of Surgery and Medical Director for Perioperative Services at LAC+USC (LA County) Hospital.

He has been a long-term volunteer for the American Cancer Society, 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 chairman of the National Breast Cancer Advisory Council (responsible for breast cancer screening guidelines), chairman of the National Research and Medical Affairs Committee, and founding chairman 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

Stephen Francis Sener, M.D. Name

1510 San Pablo St., Suite 412 Business Address

Los Angeles, California 90033

323-865-3535 (USC) or 323-409-7737 (LA County **Business Phone**

Hospital)

323-865-3539 Business Fax

USA Citizenship

E-Mail Address sener@med.usc.edu

sfsener@aol.com

A. Education

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

University Northwestern University College of Arts and

Sciences, Evanston, Illinois, Department of

Chemistry: Bachelors 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), 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, 1998. 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 Chinese Anticancer Association (Dr. Xu, President), with ACS (SFS et al) in an advisory role, 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, 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.
- 15. Selected for 'Who's Who in America' from 2007-'17.
- 16. President, Midwest Surgical Association 2012-'13.
- 17. Honorary Membership in Brazilian Society of Surgical Oncology, 2017.

Medical Licenses

#36-58238, Illinois 1977 (active)

#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

#1740357318, National Practitioner Identifier, 2010

CTEP Investigator # I-16198, exp. 8-23-17

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)

B. 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, 2012present.

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-present).

- Program Director, Breast Surgery Oncology Fellowship (accredited by the Society of Surgical Oncology), University of Southern California Keck School of Medicine, 2009-present.
- 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, 2014present.
- Chief of Surgery and Associate Medical Director of Perioperative Services, LAC+USC (LA County) Hospital, 2015-present.

Specific Teaching Responsibilities

a. Year III Medical Students

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

b. Student Electives

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

c. Lecture Series

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

d. 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 LA County+USC and Keck Hospital of USC.

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

e. Post-Graduate

I am the Program Director (2009-present) of the USC Breast Surgery Fellowship, which is accredited by the Society of Surgical Oncology to train three fellows in breast surgery per year.

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, Keck Medical Center, 2009-present.

C. 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-present.
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.

D. 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.

Ilinois Division first vice president, 1990-'92.

Illinois Division president, 1992-'94.

National Board of Directors, member 1992-2006.

National Assembly, member 1996-present.

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-present (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.

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-

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-present

Member, Journal of Clinical Oncology, 2009-2012

Honorary Member, Operational Surgery and Clinical Anatomy (Russian) (Erik Prazdnikov, Editor), 2017

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

E. 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 for 2009-2017 will be related to clinical research in breast cancer and creating working relationships with basic research scientists at Norris Comprehensive Cancer Center.

- Re-establish the breast cancer database from NorthShore at USC. Set up IRB-approved protocol to allow ongoing evaluation of data on nearly 5,000 patients in the existing database from NorthShore, link this dataset with newly diagnosed breast cancer patients at USC, and create a link between clinical information and the existing breast cancer tumor bank at USC. The eventual goal is to create a repository for basic research, which has primary breast cancer tissue and links to outcome data on each patient.
- 2. Clinical research trials in breast cancer.
 - -As service chief, facilitate trials in innovative breast surgery techniques, such the Axillary Reverse Mapping and Intraoperative Radiation Therapy protocols and others.
 - -clinical research regarding MRI and ultrasound evaluation of breast cancer patients is ongoing and has been published at USC.

Research Grants

- "Multimedia Information for Breast Cancer Patients", 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)

F. Invited Lectures

Distinguished (including Visiting Professorships)

- "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.

International

 "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.
- 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. Puliafito, Zelman, and 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.

Other Invited Lectures

- 1. "Lumpectomy and radiation therapy in the treatment of small breast cancers." St. Anthony's Medical Center, Tampa, Florida, April 1985.
- "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.
- 17. "Breast Cancer Susceptibility Genes." Sherman/St. Joseph Hospitals CME Consortium, Lake Geneva, Illinois. April 29, 1998.

- 18. "Spectrum of mammographically detected cancers", presented at Midwest Surgical Association at Mackinac Island, Michigan, August 8, 1998.
- 19. Moderator Scientific session, Midwest Surgical Association, Mackinac Island, Michigan, August 18, 1998.
- 20. "Sentinel node excision for breast cancer: experience with 180 patients." Illinois Physician Assistant annual meeting, Oak Brook, Illinois, October 4, 1998.
- 21. "Breast Cancer Susceptibility Genes." Chicago Medical Society, Midwest Clinical Conference, Chicago, Illinois. February 16, 1999.
- 22. Moderator Scientific session, Society of Surgical Oncology, "Symposium on Genetic Susceptibility Testing", Orland, Florida, March 7, 1999.
- 23. Moderator scientific session, Midwest Surgical Association, Galena, Illinois, August 17, 1999.
- 24. "Molecular Staging of Melanoma." Mt. Sinai Hospital, Finch University Health Sciences / The Chicago Medical School, Chicago, Illinois, February 17, 2000.
- 25. Moderator scientific papers session and clinical case presentation session, Midwest Surgical Association, Mackinac Island, Michigan, August 13th and 14th, 2000.
- 26. "Cancer Surgery in Latvia" ENH Surgical Grand Rounds, Evanston, Illinois, June 26, 2001.
- 27. "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.
- 28. "Lymphedema after axillary lymphadenectomy for breast cancer." Invited speaker at the National Lymphedema Network 5th International Conference, Chicago, Illinois, August 29, 2002.
- 29. "Breast cancer screening in 2002." ENH Medical Grand Rounds, Evanston, Illinois, September 6, 2002.

- 30. "Experience with sentinel lymphadenectomy for breast cancer, 1996-2003." Hormone and Signal Transduction Group, Northwestern University Lurie Cancer Center, Evanston, Illinois, May 1, 2003.
- 31. "Breast cancer 2003: update on screening and surgical treatment." Virginia Academy of Family Physicians, Williamsburg, Virginia, July 19, 2003.
- 32. "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.
- 33. "Update on Surgical Oncology for the General Surgeon." American College of Surgeons Spring Meeting, Boston MA, April 26, 2004.
- 34. "Update on Breast Cancer 2004." Surgical Grand Rounds at Mt. Sinai Hospital, Chicago, Illinois, June 17, 2004.
- 35. "Breast Cancer 2004 for Family Physicians." Alabama Association of Family Practitioners, Symposium of the Alabama Coalition for Cancer Control. Sandestin, Florida. June 25, 2004.
- 36. "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.
- 37. "Analysis of the Failing US Healthcare System." Medical Grand Rounds at ENH, Evanston, Illinois, September 22, 2006.
- 38. "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.
- 39. "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.
- 40. "Thyroid Cancer. An Intricate Web Gives Way to Logical Thinking." Hematology-Oncology Grand Rounds, Children's Hospital of Los Angeles, April 6, 2011.

- 41. "Breast cancer screening for the gynecologist." 55th Annual T Hart Baker Obstetrics and Gynecology Symposium. November 12, 2011. Santa Barbara, CA.
- 42. "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.
- 43. "Challenging Cases from the USC Multidisciplinary Breast Conferences." Presented at the 18th Annual *Perspectives in Breast Cancer* Conference, New York, NY. August 18, 2012.
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Non-Peer Reviewed Publications (Monographs published by the American Cancer Society, Illinois Division, Inc.)

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