



Kellogg Cancer Center

**The Power of
Personalized
Medicine**



Advancing Cancer Care Through Personalized Medicine



**Expertise in
a Wide Range
of Cancers**



2017 ANNUAL REPORT

**Patient-
Centered,
Compassionate
Care**

Personalized medicine is no longer just the future of medicine, it is here. Our NorthShore Kellogg Cancer Center patients benefit from individualized treatment plans and the most sophisticated genomic and tumor analysis that directs therapy to one's own "personal" tumor characteristics. And just as important as DNA, we personalize treatment based on each individual's and each family's needs, attending to nutritional, psychological, financial, and social needs.



Dr. David J. Winchester (left) and Dr. Bruce Brockstein

At the NorthShore University HealthSystem (NorthShore) Kellogg Cancer Center, we are truly dedicated to improving patient outcomes. We come together in teams of specialty trained physicians, nurses and healthcare professionals with the most advanced technology and expertise, all working to provide the best possible care to individual patients.

From the quickly evolving world of immunotherapy, which we have made a priority and conducted a vast array of clinical trials, to surgical enhancements including robotic pancreatic cancer surgery, we ensure that our patients have access to the latest and most effective therapies.

As both a teaching and research-driven program, we are set apart from many other health-care institutions. We are further differentiated by our close partnership with the University of Chicago Pritzker School of Medicine and its basic science faculty. We also are distinguished by our clinical affiliation with the Mayo Clinic, which allows us expedited consultations with Mayo Clinic physicians on particularly complex cases.

NorthShore is certified by the American Society of Clinical Oncology (ASCO) Quality Oncology Practice Initiative (QOPI) as a premier medical provider for practicing the highest standards for quality cancer care. The Commission on Cancer has continuously accredited NorthShore as an Academic Comprehensive Cancer Program since 1981.

Kellogg Cancer Center has also been designated by Blue Cross Blue Shield of Illinois as a Blue Distinction Center for Complex and Rare Cancers. The Blue Distinction program identifies hospitals with proven expertise in delivering specialty care. These accomplishments validate the team's approach and underscore the quality, compassionate cancer care patients receive.

We are committed to quality as a basic tenet, leveraging more of our resources this year to ensuring optimal patient outcomes.

Philanthropic support is essential to maintain our commitment to the comprehensive care that supports patients and their families through the challenging times that can follow a cancer diagnosis. On behalf of the many patients we are privileged to serve, we are so grateful for the continued generosity of our donors.

We are pleased to share some of the highlights of personalized care at the Kellogg Cancer Center with this report.

Bruce Brockstein, MD

Medical Director
NorthShore Kellogg Cancer Center
Head, Division of Hematology/Oncology
Kellogg-Scanlon Chair of Oncology

David J. Winchester, MD

Chairman, NorthShore Cancer Committee
Associate Director for Surgical Specialties,
Kellogg Cancer Center
Board of Directors, David P. Winchester, MD,
Chair of Surgical Oncology



The Power of Personalized Medicine: Advancing Cancer Care

Kellogg Cancer Center—Experience and Innovation

At Kellogg Cancer Center, we have been ahead of or kept pace with national trends in research and clinical use of novel and lifesaving immunotherapy drugs and other advanced treatment options.

For more than a century, NorthShore has conducted patient-centered translational research that has resulted in improved clinical care. We have built a distinguished record of cancer care in part because of our focus on improving care through discovery. With an institution-wide focus on personalized medicine, we are now working to even further advance patient care—preventing, predicting and treating cancers with individually tailored care.

Pushing the Boundaries of Immunotherapy

NorthShore has been actively involved in immunotherapy treatment and trials for decades. With the advent in 2011 of clinical use of breakthrough checkpoint inhibitor drugs (ipilimumab first, with several others following since 2014), our implementation of this treatment modality has been comprehensive, timely and ahead of the curve.

The PD-1, PD-L1 and CTLA-4 checkpoint inhibitors are now approved for use in nine different cancer types, and we have implemented these treatments promptly for all nine. We have treated more than 490 unique patients—more than 350 in the last two years—with these potentially lifesaving medications, with an expected sharper increase in the number of patients next year. As these medicines work by a very different mechanism and have side effects unique from other cancer treatments, we have implemented several key programs to maximize access for our patients and optimize quality outcomes.

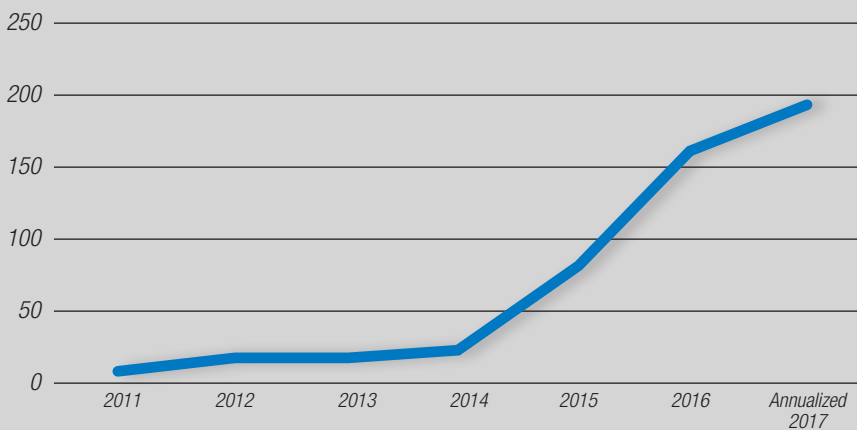
Over the course of 2017, we implemented a joint educational program with two medical oncologists and an oncology pharmacist. Together, they educate Kellogg Cancer Center staff as well as vital collaborators in other departments (emergency medicine, radiology, endocrinology, rheumatology,

gastroenterology, dermatology, primary care medicine and internal medicine residency) on the scientific basis, clinical uses and, importantly, the side effect management of these drugs.

We have implemented a formalized program aimed at minimizing our patients' "financial

toxicity" utilizing structured education and routine involvement of our patient financial advocates. (See "Financial Toxicity Quality Improvement Initiative" on page 2.) Finally, we have continued to ramp up our clinical and translational research projects in the field of immunotherapy, which has already resulted in several publications. ■

Immunotherapy
Number of Patients Treated, 2011–2017



Patients	7	15	19	21	83	163	193
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Financial Toxicity Quality Improvement Initiative

Cancer therapy in general and newer immunotherapy agents in particular can be exceedingly expensive, and even patients with good insurance are now at risk for financial toxicity. A team of NorthShore cancer clinicians and allied professionals led by Thomas Hensing, MD, conducted a quality initiative aimed at developing resources to mitigate financial risk and exposure to financial toxicity for oncology patients.

Part of the American Society of Clinical Oncology (ASCO) Quality Training Program, the pilot program focused on immune checkpoint inhibitors and patient education of financial risks at the time of informed consent.

Financial toxicity (FTOX) can exacerbate disparities in cancer care and lead to clinically relevant adverse health outcomes including health-related quality of life, symptom burden, adherence and survival. The project resulted in a revised prior authorization process that is now in place at Kellogg Cancer Center. The team also concluded that FTOX and treatment disparities should continue to be monitored closely. ■

The proportion of patients receiving information about financial risk and available cancer center financial support services increased from

0% to 53%.

The revised prior authorization process increased the proportion of patients starting treatment after confirmation of prior authorization from

50% to 94%.

Program for Personalized Cancer Care

NorthShore's Program for Personalized Cancer Care (PPCC) is dedicated to improving quality of care by offering proactive and totally personalized cancer care, from individualized cancer prevention and screening strategies to customized treatment modalities of localized cancer, and targeted cancer therapy of advanced cancer.

Development of a novel model, the Pyramid Model for Personalized Cancer Care enables our commitment to individualized care and is based on the principle that personalized medicine should not be limited to treatment. The Pyramid Model contains four tiers: (1) screening and prevention, (2) diagnosis, (3) early-stage disease and (4) late-stage disease.

The PPCC team developed a Genetic Risk Score tool to assess an individual's inherited risk of various types of cancer based on multiple cancer risk-associated genetic variants or single nucleotide polymorphisms (SNPs). An ongoing Genetic Risk Score trial is recruiting NorthShore patients through their primary care physicians to provide Genetic Risk Score of colorectal cancer as well as breast (female patients) and prostate (male patients) for personalized screening recommendation. The trial will evaluate practical aspects of implementing genomic information for

personalized care, including experience of physicians and patients for genetic testing and cancer screening behaviors.

In addition to Genetic Risk Score, we are taking a leadership role in proposing a comprehensive approach that combines Genetic Risk Score and high-penetrance genes (HPGs) for inherited cancer risk assessment. The PPCC team developed a targeted next-generation sequencing panel to effectively implement this approach for discovery and translational research. Using this panel, we found both pathogenic mutations in HPGs and high Genetic Risk Score can predict risk for lethal prostate cancer (results published in the *New England Journal of Medicine* and *European Urology*). We also found that germline (inborn) mutations in HPGs predict grade reclassification of patients undergoing active surveillance.

To ensure that patients outside of NorthShore can access our novel inherited risk assessment tool, we successfully established a strategic partnership with Ambry Genetics, a leading medical genetic testing company. Members of the PPCC have published more than 30 peer-reviewed manuscripts in high-impact journals, including the *New England Journal of Medicine* and *JAMA*. ■

Center for Medical Genetics

Our Center for Medical Genetics is one of the largest and busiest adult genetic counseling centers nationwide and incorporates genomic information with the latest genetic technology and information to provide personalized care and achieve the best outcomes for individual patients.

Pharmacogenomics

NorthShore's Pharmacogenomics Clinic is one of only a few in the country that pre-emptively provide genetic testing to help predict how patients will respond to certain medications. Led by Mark Dunnenberger, PharmD, the clinic is an important resource for cancer patients. Currently there are clinical decision-support tools for 72 drugs and 10 genes embedded in the Epic medical record system, up from just three drugs and two genes in 2015. This unique resource is a benefit to patients here and beyond as research efforts continue to expand knowledge. The pharmacogenomics team published three papers last year. ■



Dr. Peter Hulick, Medical Director, Center for Personalized Medicine

Center for Personalized Medicine

Under the direction of Peter Hulick, MD, NorthShore's Center for Personalized Medicine brings together multispecialty experts and provides transformational patient care based on genetic information, including personalized clinics in eight medical specialties. The Center strives to bring personalized medicine to the frontlines of care as quickly and effectively as possible—and in treating cancer, it spans the spectrum from cancer risk in the healthy individual to the treatment of the most advanced cancers.

The Center is building the infrastructure to offer cancer risk/genetic assessment at the primary care level throughout the entire NorthShore system to meet expanding demands of genomics based medicine. While personalized approaches take place for each cancer patient, our specific personalized cancer clinic offers consultations for the assessment of optimal treatment for the most difficult cases based on cancer genetics. ■

Pathology and Laboratory Medicine

More than 70 percent of treatment decisions are based on laboratory results. NorthShore's team of experts has been a leader in using advanced tumor diagnostics and DNA analysis to personalize patient care. The ability to conduct sophisticated laboratory testing in-house means quicker and more accurate diagnosis and treatment recommendations for our patients. The majority of all "actionable" mutations and genetic variants are tested for in-house, allowing for the rapid initiation of appropriate therapy. ■

50-Gene "Hotspot" Cancer Panel

Leaders in state-of-the-art next-generation sequencing (NGS), we have expanded our capabilities around the 50 Gene or "Hotspot" cancer panel and are now able to obtain additional gene amplification and translocation information.

Our molecular diagnostic lab's unique in-house sequencing capability allows us to rapidly look at large genomic regions targeting almost 3,000 possible variants involved in cancer. A new partnership with PierianDx expands our reporting to include current clinical trials and up-to-the-minute treatment options, all linked to NorthShore's Electronic Medical Record.

All advanced-stage lung and colon cancer patients now undergo this genomic testing. In addition, we use this panel for many other tumor sites—including brain, melanoma and thyroid, where we are beginning to use the advanced testing to help predict malignancies in common thyroid nodules. Testing will be expanded to leukemia and lymphoma patients this year. We plan to expand our capabilities to broader panels and include molecular biomarkers in the coming year.

Performing these tests in-house means significantly faster results and quicker treatment for our patients. NorthShore's advanced instrumentation also enables our lab professionals to accurately analyze very small samples from fine-needle biopsies, sparing our patients from undergoing more invasive procedures.

These sophisticated genomic tests drive personalized care and improve patient outcomes. ■

Expertise in a Wide Range of Cancers

Breast Oncology

NorthShore's comprehensive, collaborative breast program is one of the largest academic, multispecialty practices in the state of Illinois, and patients with breast cancer represent the largest percentage of Kellogg Cancer Center patients. A focus on prevention and early detection is at the core of our program, and robust research activities continue to distinguish our efforts and enhance patient care. Kellogg Cancer Center's advanced, personalized care is accredited by the American College of Surgeons' National Accreditation Program for Breast Centers (NAPBC), and our fellowship-trained specialists continue to serve in leadership roles. All three breast centers feature the latest technology, including 3-D mammography.

Among the many new initiatives and highlights from last year is a new research study examining a Genetic Risk Score for risk prediction in women undergoing annual mammograms in our high-risk breast clinic. Katharine Yao, MD, along with a breast cancer genomics research fellow, funded by the Harold and Jane Perlman Family Foundation, are studying genomic profiles of women with contralateral breast cancer.

Catherine Pesce, MD, initiated a radioactive seed localization program and is also conducting research to examine HER2/neu

expression in breast cancers and axillary nodes.

Major recruitments include a new fellowship-trained, full-time breast surgeon, Katherine Kopkash, MD, who is joining our program as Director of Breast Oncoplastic Surgery and will start a robotic mastectomy program. A new breast medical oncologist, Poomima Saha, MD, who completed her hematology oncology fellowship at the University of Chicago, has joined the Kellogg Cancer Center team to lead our strong breast cancer clinical trial program.

Anatomic pathologist Megan Sullivan, MD, funded by a NorthShore research pilot award, is conducting research to examine cell-free DNA in breast cancer patients undergoing neoadjuvant chemotherapy.

David J. Winchester, MD, currently serves on the AJCC 8th edition breast staging committee and will help launch the new staging manual both at NorthShore and nationally. Dr. Pesce has developed a breast ultrasound-guided core biopsy module for resident teaching in the Grainger Center for Simulation and Innovation. Dr. Yao is the program chair of the American Society of Breast Surgeons meeting in 2018 in Orlando, Florida. ■



Dr. Katharine Yao, Chief of Surgical Oncology

Prostate/Genitourinary Cancer

The Genitourinary Oncology Program at Kellogg Cancer Center offers the latest treatments for patients with advanced malignancies and is also focused on early detection and risk stratification. The prostate cancer program for localized disease has made tremendous progress over the past year and is the prototypical program for personalized medicine at NorthShore.

The program aims to identify men who would most benefit from prostate cancer

screening and now uses a prostate cancer inherited cancer panel (ICP) test developed by our physician-scientists in collaboration with Ambry Genetics. The blood test can provide information on whether a man carries gene mutations that are associated with increased prostate cancer susceptibility and aggressive disease.

Determining whether a man is a carrier of gene mutations within BRCA1/2 and ATM is particularly important as findings from our

research group and others have validated that these gene mutations significantly increase the risk of prostate cancer and lethal disease. In addition, the new blood test also provides a Genetic Risk Score. The Genetic Risk Score test documents information on an individual's inherited risk of developing prostate cancer. The higher a man's Genetic Risk Score, the higher likelihood that he will be diagnosed with prostate cancer and aggressive disease throughout his lifetime. Together, the results of this genetic test can identify which men are most likely to benefit from screening and certain treatments.

In addition, we also provide access to additional genomic tests that can be used after a tissue diagnosis of prostate cancer has been determined. The results of these tests (e.g., Oncotype DX, Prolaris and Decipher) can further help guide treatment decisions including active surveillance, surgery or radiation. These are some of the many tests we are using in urology to improve and personalize prostate cancer care. Within the past year, our team of clinical urologists and researchers has published more than 25 publications in peer-reviewed journals. ■

Active Surveillance Prostate Cancer

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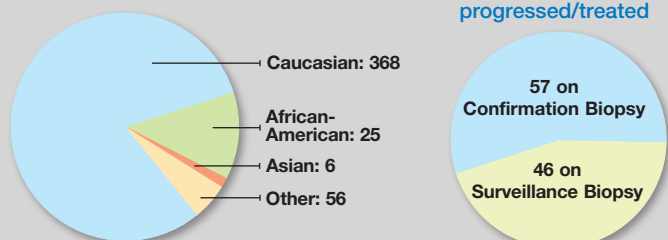
Average age at enrollment

455

Total number enrolled

103

Total number of patients progressed/treated



Gynecologic Oncology

Intensive international research efforts and advances in surgery, chemotherapy and novel biological agents over the past decade are leading to improved outcomes in women with gynecologic cancers, including higher cure rates. The Division of Gynecologic Oncology has been at the forefront of progress, supporting an aggressive clinical and research program aimed at prevention, early detection, improved treatment and survivorship for ovarian, uterine and other women's cancers. Led by Gustavo Rodriguez, MD, Matthews Family Chair of Gynecologic Oncology Research, the Division sees patients at all four NorthShore Hospitals and brings together a collaborative team that employs a multidisciplinary approach to treating women with malignant or premalignant conditions of the gynecologic tract. The Division's mission is to provide comprehensive and compassionate care to patients while performing basic and clinical research that will make a significant impact in our community and beyond.

Patients benefit from the collaborative care

and the combined experience of gynecological oncologists, geneticists, radiologists, radiation oncologists, pathologists and critical support services, including psychosocial oncology, integrative medicine and nutrition. We leverage the latest technology and innovative techniques with robotic surgery and other minimally invasive procedures through our minimally invasive program, which is among the most active in gynecologic oncology in the Chicago area.

The outstanding quality of care provided by the Division has been recognized by third parties including Press Ganey, with scores that are at the top for the NorthShore Medical Group and in the top 5 percentile nationally as compared to peers.

A major emphasis of the Division in the past year has been the development of a robust survivorship program, spearheaded by Carolyn Kirschner, MD. The goal of the program is to enhance the quality of life of our patients and their families by helping them address and overcome the many physical, psychological, social and economic challenges

associated with the fight against cancer.

Our palliative care initiatives are being spearheaded by Elena Moore, MD, in collaboration with the NorthShore palliative care and hospice teams. This has included both clinical initiatives as well as research as we seek to mitigate the side effects/toxicity and symptoms associated with gynecologic cancer and its treatment. Dr. Moore is the principal investigator of a study evaluating the impact on quality of life and survival of early involvement of the palliative care team in women with gynecologic cancers. She was also the recipient of a departmental Innovation Grant to critically evaluate chemotherapeutic approaches for women with advanced ovarian cancer.

Our newest partner, Mary Tilley Jenkins Vogel, MD, has now fully integrated clinical services throughout the NorthShore system, but with a special focus on expanding access and care at NorthShore Glenbrook Hospital. She has initiated clinical studies with a focus on pharmacologic prevention of endometrial cancer. ■

Gastrointestinal Oncology

Colorectal Cancer Program

Kellogg Cancer Center's multidisciplinary team leverages collective expertise and the latest technology to offer individually focused treatment to all patients with colorectal cancer. Our collaborative approach ensures outstanding care for rarer or more complicated cases and is facilitated by multidisciplinary clinics at both NorthShore Evanston and Glenbrook Hospitals where patients can see experts from gastroenterology, medical oncology and surgery all in one location. Our Kellogg Cancer Center team is supported by psychosocial oncology, integrative medicine, specially trained pharmacists, nurses, nutritionists and more, providing comprehensive and seamless care.

Leaders in minimally invasive surgical techniques, NorthShore surgeons perform laparoscopic procedures on most patients. We are one of only a few centers in the Chicago area using minimally invasive and robotic approaches to manage liver resections, a not-uncommon problem in colorectal cancer. Our experienced surgeons continue to push the boundaries of innovative technology, including scarless, or transanal and transoral procedures.

Interventional Radiology offers a full spectrum of therapeutic interventions, including

embolization of tumor vasculature, radio-frequency ablation and Yttrium-90 perfusion of the liver. These techniques are minimally invasive and either supplement current multimodality approaches or replace older, more invasive therapies. Radiation therapy and nuclear medicine are able to offer all of the latest techniques, as the situation requires, including stereotactic body radiation therapy and the many varieties of targeted radioactive particle infusion.

Medical oncology is increasingly moving away from a "one size fits all" approach to an anatomical and molecularly based treatment paradigm that ensures that effective therapy is chosen right from the start. All new patients are presented in a multidisciplinary conference prior to starting therapy, ensuring that all the latest options are considered.

Our program continues to emphasize prevention and early detection and offers a high-risk colorectal cancer clinic for patients who have a family history or other high-risk health history. Specialists in medical genetics meet with patients and families in this clinic and help coordinate personalized screening plans based on individual medical and family history. A special Women's GI Cancer Risk and Prevention Center counsels women about their individual risk and

offers personalized risk-reduction strategies, including lifestyle modifications.

Innovative research is a key component of our GI program. We participate in a number of national and international studies, ensuring that our patients have access to cutting-edge research and novel treatment options. Our collaboration with our academic partner, the University of Chicago Pritzker School of Medicine, significantly enhances our research efforts and facilitates access to an even broader range of studies.

Sophisticated technology plays an increasingly critical role in diagnosing and treating benign and malignant tumors in the colon and rectum. Endoscopic ultrasound examinations and dedicated MRIs are very valuable tools that have become indispensable in advanced diagnostics and therapeutics. Newer instruments and techniques now make the removal of early-stage cancers without surgery a definite possibility, and this option is carefully weighed in all appropriate situations.

Hepatopancreatobiliary Program

The Hepatopancreatobiliary (HPB) Program experienced continued growth in the clinical realm with the implementation of minimally invasive pancreaticoduodenectomy (robotic-assisted) surgery and the addition of two new oncologists to NorthShore.

Our physician-scientists continue to participate at national meetings and are involved in that publication of a number of important studies. A vital aspect of the program is the HPB multidisciplinary conference attended by specialists from diagnostic and interventional radiology, pathology, oncology, gastroenterology, hepatology and surgery, meeting weekly to present and discuss specialized treatment plans for patients with complex hepatic and pancreatic disease.

The HPB multidisciplinary clinic takes place immediately following the conference. Patients are often seen by medical oncologists, surgeons, hepatologists and gastroenterologists at the same clinic visit and in the same clinic space, assisted by dedicated nurse navigators. This has also facilitated integration of a personalized medicine approach into treatment planning and research participation.

Genetic and molecular analysis is frequently a part of the discussion—and if the results are complex, they are presented and reviewed at our dedicated molecular medicine tumor board. Patients may also be referred for counseling in our Department of Medical Genetics. ■



Dr. Mark Talamonti, the Stanton and Margaret Rogers Palmer Chair of Surgery, is a leader in advanced robotic technology for minimally invasive procedures for patients with pancreatic cancer.

Thoracic Oncology

The multidisciplinary Thoracic Oncology Program (TOP) continues to expand clinical capabilities and pursue both translational and clinical outcomes research, improving care for our patients and contributing to the broader understanding and treatment of thoracic malignancies.

Our Lung Cancer Screening Program, with a digital health component through our Electronic Medical Record (EMR) system, is designed to coordinate patient care throughout our system and operates under the guidance of a multidisciplinary committee group led by Neil Freedman, MD, Division Chief for Pulmonary and Critical Care Medicine.

TOP, in collaboration with our colleagues in pathology, uses our advanced molecular diagnostic capabilities, expanding our next-generation sequencing platform to help identify the ever-growing list of potentially treatable molecular alterations. This has greatly improved our ability to provide personalized treatment recommendations for our patients. All new patients are reviewed by our multidisciplinary thoracic oncology tumor board, which is comprised of medical oncologists, thoracic surgeons, radiation oncologists, pathologists and radiologists, ensuring the coordination of care and a timely, efficient and complete diagnostic and therapeutic evaluation.

The access and availability of cutting-edge diagnostic tools such as navigational bronchoscopy and endobronchoscopic ultrasound

have been expanded to the Lake County region by the effort of interventional pulmonologist Keenan Hawkins, MD.

TOP continues to develop a robust research program. Our translational program has expanded the clinical trials menu with the ultimate goal of having a clinical trial opportunity for all patients in our program. Novel immunotherapy strategies are a focus, and Thomas Hensing, MD, Co-Director of TOP, is leading a national multicenter clinical trial investigating the optimal sequencing of immunotherapy with standard chemotherapy in patients with advanced non-small cell lung cancer. Our clinical research database and biobank have grown and, through a collaborative partnership with the University of Chicago, have been used to support translational research initiatives on immune checkpoints and acquired chemotherapy resistance.

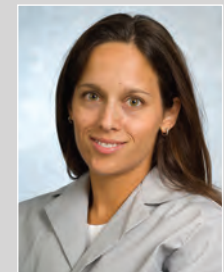
Our thoracic surgeons, Ki Wan Kim, MD, Interim-Chief of Division of Thoracic Surgery and Co-Director of TOP, and Seth Krantz, MD, are not only providing the highest quality surgical care utilizing minimally invasive surgical approaches for thoracic malignancies, but also actively pursuing clinical research. A clinical outcomes research program in thoracic surgery has been productive using the National Cancer Database (NCDB); Surveillance, Epidemiology, and End Results (SEER) database, and The Society of Thoracic Surgeons General Thoracic Surgery Database (STS-GTSD). These activities have led to multiple presentations at national meetings and publications in peer-reviewed journals. ■



Dr. Keenan Hawkins, Director of the new Advanced Pulmonary Diagnostics Program and respiratory therapist Tracy Bingham, RCP.



Dr. M. Jaffer Asif, pulmonary disease specialist



Dr. Stacy Raviv, pulmonary disease specialist

Advanced Pulmonary Diagnostics

Thoracic oncology patients benefit from NorthShore's new Advanced Pulmonary Diagnostics Program, which offers state-of-the-art, minimally invasive procedures enabling cancer detection, advanced diagnosis and assistance with development of personalized treatment plans.

Keenan Hawkins, MD, serves as the inaugural director of the program, which is based at NorthShore Highland Park Hospital and is among the first in northern Illinois to offer a comprehensive array of advanced diagnostic, minimally invasive procedures aimed at the management of

pulmonary disease. The program also advances NorthShore's commitment to lung cancer screening and early cancer detection.

The Advanced Pulmonary Diagnostics Program includes Stacy Raviv, MD, and M. Jaffer Asif, DO, at NorthShore's Evanston and Glenbrook campuses where a range of advanced pulmonary diagnostic procedures are also available. Together, the physicians of the program contribute to an environment of uniform and uninterrupted care for patients throughout the NorthShore healthcare system in need of advanced diagnostic bronchoscopic procedures. ■

Neuro-Oncology

The Division of Neuro-Oncology cares for a wide variety of patients, including those with primary brain and spine tumors, meningiomas, central nervous system (CNS) lymphoma, metastatic tumors, paraneoplastic syndromes and neurologic complications of cancer. We collaborate closely with Medical Oncology on the latter two categories. We see patients at all three Kellogg Cancer Centers.

Neuro-oncologist Heather Leeper, MD, joined our team this year, after serving as the director of Neuro-Oncology at Advocate Health System. She previously completed a neuro-oncology fellowship at Mayo Clinic. Dr. Leeper sees patients at Evanston and Highland Park Hospitals, and our Lincolnshire office. Ryan Merrell, MD, sees patients at Evanston and Glenbrook Hospitals.

We work closely with Neurosurgery, and Julian Bailes, MD, Chair of the Department of Neurosurgery, Arlene and Marshall Bennett and Joseph A. Tarkington, MD Chair of Neurosurgery, serves as our primary brain tumor neurosurgeon. Dr. Bailes continues to use advanced neurosurgical techniques, including the NICO system, to improve the extent of surgical removal of brain tumors and decrease the length of hospitalization. NICO involves an endoscopic port that creates an easier path through the brain and allows greater removal of tumors. It preserves the tissue better, allowing for enhanced tissue analysis. We also use the Synaptive system, a sophisticated brain-mapping system that allows the neurosurgeon to avoid harming vital structures in the brain. Ricky Wong, MD, is another key member of the team who provides expertise in skull base tumors and offers additional minimally invasive innovative surgeries including “eyebrow” surgery, removing tumors through a tiny incision near the brow.

Our program offers the most cutting-edge clinical trials. We currently have three trials for gliomas and will soon be adding two additional glioma trials and one for meningiomas. One of the glioma trials for newly diagnosed glioblastoma and anaplastic (grade III) gliomas is a collaboration between NorthShore and the University of Chicago involving a concept based on basic science research done in the laboratory at the University of Chicago. We currently have a trial for newly diagnosed glioblastoma patients, as well as one for recurrent patients involving the ABT-414 drug. ABT-414 is a novel antibody-drug conjugate that targets the epidermal growth factor receptor.

We continue to work with the Gliogene group, an NIH-funded multi-institution group that studies the epidemiology of gliomas. Several publications have been generated through the studies of this group. ■

Hematology and Hematologic Malignancies

The Hematologic Malignancy Program at NorthShore offers the latest care for patients with acute and chronic leukemia, myeloma, Hodgkin and non-Hodgkin lymphoma. Led by Lynne Kaminer, MD, Virginia and James Cozad Chair of Hematology/Oncology, the program features four full-time hematologists and three additional physicians whose practice is focused on hematology. The team sees patients at all four NorthShore Hospitals and our Ambulatory Care Center in Gurnee. Close collaboration with hematopathologists and a multidisciplinary conference to review cases, lymph node and bone marrow specimens, and treatment plans are key elements of our program. The hematopoietic stem cell program for myeloma and lymphoma continues to grow and evolve and was reaccredited by the Foundation for the Accreditation of Cellular Therapy (FACT). The continued use of the new, multicolored channeled flow cytometer allows more precise characterization of immunophenotype of tumors.

We have the ability to use an initial sample as a baseline to look for and detect minimal residual disease post therapy, which allows for more precise decisions regarding ongoing maintenance therapy, or to predict early relapse and allow for early intervention. We continue to develop specific multigene panels with molecular pathology to identify mutations associated with specific malignancies to guide therapeutic decisions. We analyze molecular features of tumors to enable more precise therapy and can identify subgroups that are at higher or lower risk or have specific mutations to facilitate therapeutic treatment decisions. Among the new studies that opened this year are several that address specific molecular mutations in both acute myeloid leukemia and myelodysplastic syndromes. ■



Dr. Lynne Kaminer, Virginia and James Cozad Chair of Hematology/Oncology

Head and Neck Oncology

A collaborative team of experts in otolaryngology/head and neck surgery, radiation oncology and medical oncology—as well as plastic and reconstructive surgery, dental medicine, physical medicine and rehabilitation, psychosocial oncology, nutrition, physical therapy, diagnostic and interventional radiology, pathology, nursing, and more—come together in NorthShore’s head and neck cancer (HNC) group.

The HNC Program welcomed Cheryl Nocon, MD, to the team in an exciting year. Dr. Nocon completed a fellowship in head and neck surgical oncology and microvascular reconstructive surgery at the University of Wisconsin. Her presence will continue to grow the program both academically and clinically. She has special interest in qualitative head and neck cancer research.

Evanston Hospital became the first center in the Midwest to perform an innovative minimally invasive procedure using a flexible robotic system. This state-of-the-art device will allow head and neck surgeons Mihir Bhayani, MD, and Dr. Nocon to perform transoral tumor resections that are more targeted than current robotic and transoral technologies. ■

The approval of immune targeted therapies (pembrolizumab and nivolumab) for use in recurrent/metastatic head and neck cancers has given medical oncologists the ability to provide patients a chance at long-term remission. We were among the first in the area to offer this treatment in structured clinical trials, and now in FDA-approved available medications.

Robust research continues, including ongoing translation projects in genomic profiling of aggressive cutaneous squamous cell carcinoma, and altered lipid metabolic pathways in head and neck squamous cell carcinoma. We are analyzing a large database of patients treated with chemotherapy and radiation to assess outcome and effect on the immune system.

Our team made numerous presentations at national meetings and had many publications in prestigious journals. We continue with outreach efforts aimed at raising awareness of the role of human papillomavirus (HPV) in head and neck cancer and the opportunity to prevent cancer with the HPV vaccine in boys and girls. We also offer an annual free oral cancer screening. ■

Melanoma and Other Skin Cancers

Malignant melanoma of the skin has the fastest rising incidence of any cancer in the United States. NorthShore's multidisciplinary Melanoma Program offers the depth and breadth of experience to use complicated new therapeutics.

Whereas metastatic melanoma was previously one of the deadliest forms of cancer, greater advances have been made in this disease than almost any other form of cancer. In the last six years, NorthShore's melanoma team has had the expertise and support to bring these advances to our patients early and safely.

New molecularly targeted therapies are available for the nearly 50 percent of metastatic melanoma patients whose tumors carry specific mutations in the BRAF gene. Our

molecular pathologists are uniquely positioned to test for this mutation, along with multiple less common melanoma gene mutations, within our own lab. This test allows our patients to begin appropriate treatments within days rather than weeks when the test needs to be sent to a referral lab. These therapies have added years to patients' lives.

Melanoma has been the cancer most positively impacted by major advances in immunotherapy for cancer. The "checkpoint inhibitor" drugs ipilimumab, pembrolizumab and nivolumab are all now approved for routine use in advanced melanoma and have the capacity to add years to some patients' lives. Long-term cancer control or cure of metastatic melanoma is now possible for nearly half of our patients. We had early

access to these drugs through clinical trials, providing an advantage for our patients and early expertise for our clinicians.

New studies this year include partnerships with the University of Chicago assessing treatment of patients whose cancers no longer respond to nivolumab or pembrolizumab, as well as an important biobanking/biomarker study assessing correlations between patients' inborn genetics, tumor genetics, stool "microbiome" and the presence of the important "inflamed tumor phenotype" that corresponds to response to immunotherapy.

Additionally, our Melanoma Program has provided an excellent opportunity to educate key partners within our institution on the principles of immunotherapy and diagnosis and assessment of side effects. The PD-1,



Medical Oncologist Dr. Matthew Adess with Kellogg Cancer Center nurse Diana Iacovo



NorthShore's Ambulatory Care Center in Gurnee provides increased access for patients and families in Lake County.

Greater Access for Patients

Kellogg Cancer Center provides advanced compassionate care at our three hospital locations—Evanston, Glenbrook and Highland Park—and at our Ambulatory Care Centers in Gurnee and Skokie. We continue to expand services for our growing patient base making all phases of treatment as convenient as possible.

Five of our cancer physicians provide hematology and oncology consultations and follow-up care at NorthShore's Gurnee Ambulatory Care Center at 7900 Rollins Road, just west of the Gurnee Mills shopping center, increasing access for patients and referring physicians in Lake County. This allows the expert consultation close to home, as well as follow-up close to home for those treated at our hospital-based Kellogg Cancer Center locations. We offer similar consultative and follow-up services at our Skokie location. ■



Dr. Bruce Brockstein, Medical Director Kellogg Cancer Center

Melanoma and Other Skin Cancers (continued)

PD-L1 and CTLA-4 checkpoint inhibitors are now approved for use in nine different cancer types, and we have implemented these treatments promptly for all nine. As these medicines work by a very different mechanism and have side effects unique from other cancer treatments, we implemented a joint educational program with two medical oncologists and an oncology pharmacist. Together, they educate Kellogg Cancer Center staff as well as vital collaborators in other departments (emergency medicine, radiology, endocrinology, rheumatology, gastroenterology, dermatology, primary care medicine and internal medicine residency) on the scientific basis, clinical uses, and importantly, the side effect management of these drugs.

Kellogg Cancer Center patients have access to leading dermatologists. Gregg Menaker, MD, and Ross Levy, MD, are specialty trained experts in Mohs micrographic surgery, a unique technique that allows the sparing of normal tissue in delicate areas such as the face, hands, feet and around the genitals.

We have initiated a multidisciplinary melanoma clinic combining the "pigmented lesion" expertise of dermatologist Jason Waldinger, MD, with the medical oncology expertise of Britt Hanson, DO, and the surgical oncology expertise of David J. Winchester, MD.

In some cases, melanoma may spread or recur within an arm or leg, which can be painful or disfiguring and pose the threat of spreading to other parts of the body. Dr. Winchester is one of only a few physicians in the country who perform complex isolated limb perfusions and isolated limb infusions to treat this challenging condition. This procedure saves patients from amputation and helps control tumors that might otherwise spread. ■

Radiation Oncology

NorthShore's team of radiation oncologists offers the latest technologies and treatment strategies together with years of experience for early and advanced cancer care.

Breast cancer continues to represent our largest treatment volume, and NorthShore is a leader in accelerated partial breast irradiation for early cancers with well over 300 women treated and followed for more than five years with excellent results. Prone breast and deep inspiration breath hold techniques are available at all treatment locations when appropriate to avoid excess heart irradiation.

Lung cancer volume continues to grow as a result of intensified surveillance programs, diminished competing forces of mortality in patients at risk, and increased numbers of survivors of previously treated lung cancers. Stereotactic body radiation therapy (SBRT) is available for early-stage medically inoperable patients at both Evanston and Highland Park Hospitals. SBRT is also available for select gastrointestinal cancers to convert marginally resectable tumors to operable ones.

Prostate cancer volume continues to grow and mirrors the success of the John and Carol Walter Center for Urological Health. Axumin PET scanning can localize sites of metastatic prostate cancer often not visible by conventional CT and MR scans. This enables radiation to such sites to be used as a supplement to systemic hormone therapy, thus extending survival. NorthShore continues to be one of the few Chicagoland centers offering Xofigo (radium-223) radionuclide therapy for the treatment of metastatic hormone refractory prostate cancer involving multiple bone locations.

Stereotactic radiosurgery (SRS) treats a variety of benign and malignant conditions and has largely replaced whole-brain radiation therapy for metastatic cancer, thus reducing the risk of cognitive dysfunction sometimes associated with whole-brain irradiation. ■



Radiation oncologist Dr. Vathsala Raghavan

Interventional Radiology

NorthShore's Interventional Radiology group includes six specialist physicians, three physician assistants, and more than 40 dedicated nurses and technologists who perform image-guided, minimally invasive cancer therapies aimed at optimizing cancer outcomes, improving quality of life and reducing hospital stay. We offer the latest and most advanced developments in the rapidly evolving and expanding field of interventional oncology.

NorthShore's interventional radiologists work in close collaboration with a team of oncologists, surgeons and radiation oncologists to provide customized care unique to each individual's specific condition. We offer state-of-the-art diagnostic imaging equipment and minimally invasive care. Therapies include Y-90 radioembolization and chemoembolization of both primary and metastatic liver tumors, which provide options when chemotherapy is no longer effective or surgery is not feasible.

We also specialize in radiofrequency, microwave and cryoablation of solid tumors in organs that include the liver, kidneys, bones, lungs and other soft tissues. These are alternative treatments to surgical resection, especially for patients at high risk for surgery. ■

Active Clinical Trials

NorthShore patients have access to a broad array of clinical trials and potentially lifesaving new treatments.

Brain Tumors

A071101 Phase II randomized trial comparing the efficacy of shock protein-peptide complex-96 (HSPPC-96) (NSC #725085, Alliance IND #15380) vaccine given with bevacizumab versus bevacizumab alone in the treatment of surgically resectable recurrent glioblastoma multiforme (GBM)

A221101 Phase III randomized, double-blind, placebo-controlled study of armodafinil (Nuvigil) to reduce cancer-related fatigue in patients with glioblastoma multiforme

Tocagen/Tg 511-15-01 A Phase II/III randomized, open-label study of Toca 511, a retroviral replicating vector, combined with Toca FC versus standard of care in subjects undergoing planned resection for recurrent glioblastoma or anaplastic astrocytoma

ICT 107 STING (Study of Immunotherapy in Newly Diagnosed Glioblastoma): A Phase III randomized, double-blind, controlled study of ICT 107 with maintenance temozolomide (TMZ) in newly diagnosed glioblastoma following resection and concomitant TMZ chemoradiotherapy

A071102 A Phase II/III randomized trial of veliparib or placebo in combination with adjuvant temozolomide in newly diagnosed glioblastoma with MGMT promoter hypermethylation

AbbVie/M13-813 A randomized, placebo-controlled Phase 2b/3 study of ABT-414 with concurrent chemoradiation and adjuvant temozolomide in subjects with newly diagnosed glioblastoma (GBM) with epidermal growth factor receptor (EGFR) amplification (Intelligence 1)

CDX110-05 Expanded access (compassionate use) treatment protocol, rindopepimut (CDX-110)

AbbVie Preapproval Access Preapproval access of ABT-414 for treatment of glioblastoma multiforme (GBM)

Breast Cancer

EA221405 Pregnancy outcome and safety of interrupting therapy for women with endocrine responsive breast cancer (POSITIVE)

EH14-308 A011106 ALternate approaches for clinical stage II or III Estrogen Receptor positive breast cancer NeoAdjuvant TrEatment (ALTERNATE) in postmenopausal women: A Phase III study

NSABP B-55 Randomized, double-blind, parallel group, placebo-controlled multi-center Phase III study to assess the efficacy and safety of olaparib versus placebo as adjuvant treatment in patients with germline BRCA 1/2 mutations and high-risk HER2 negative primary breast cancer who have completed definitive local treatment and neoadjuvant or adjuvant chemotherapy

EA1131 Randomized Phase III postoperative trial of platinum-based chemotherapy versus observation in patients with residual triple-negative basal-like breast cancer following neoadjuvant chemotherapy

NSABP B-51 A randomized Phase III clinical trial evaluating post-mastectomy chest wall and regional nodal XRT and post-lumpectomy regional nodal XRT in patients with positive axillary nodes before neoadjuvant chemotherapy who convert to pathology negative axillary nodes after neoadjuvant chemotherapy

AFT-05: PALLAS PALbociclib Collaborative Adjuvant Study: A randomized phase III trial of Palbociclib with standard adjuvant endocrine therapy versus standard adjuvant endocrine therapy alone for hormone receptor positive (HR+), human epidermal growth factor receptor 2 (HER2) negative early breast cancer

Jackson Laboratory Patient derived Xenograft and Circulating Tumor DNA as Predictors of Drug Response and Tumor Evolution in Triple Negative Breast Cancer

Merck 3475-355 A Randomized, Double-Blind, Phase III Study of Pembrolizumab (MK-2475) plus Chemotherapy vs Placebo plus Chemotherapy for Previously Untreated Locally Recurrent Inoperable or Metastatic Triple Negative Breast Cancer (KEYNOTE-355)

A0011401 Randomized Phase III Trial Evaluating the Role of Weight Loss in Adjuvant Treatment of Overweight and Obese Women with Early Breast Cancer

A0011502 A randomized phase III double blinded placebo-controlled trial of aspirin as adjuvant therapy for node-positive, HER2 negative breast cancer: the ABC trial

Gastrointestinal Cancer

UC14-0594 A Pilot Trial of Perioperative Genotype-Guided Irinotecan Dosing of mFOLFIRINOX for Locally Advanced Gastroesophageal Adenocarcinoma

UC14-0595 A Pilot Trial of Perioperative Genotype-Guided Irinotecan Dosing of mFOLFIRINOX for Locally Advanced Gastroesophageal Adenocarcinoma

S1513 Randomized Phase II Study of 2nd Line FOLFIRI Versus Modified FOLFIRI with PARP Inhibitor ABT-888 (Veliparib) (NSC-737664) in Metastatic Pancreatic Cancer

A021501 Preoperative Extended Chemotherapy vs. Chemotherapy Plus Hypofractionated Radiation Therapy for Borderline Resectable Adenocarcinoma of the Head of the Pancreas

Incyte 54828-202 A Phase 2, Open-Label, Single-Arm, Multicenter Study to Evaluate the Efficacy and Safety of INCB054828 in Subjects with Advanced/Metastatic or Surgically Unresectable Cholangiocarcinoma Including FGFR2 Translocations Who Failed Previous Therapy

Genitourinary Cancer

Astellas ONC-MA-1004 A prospective observational cohort study of patients with castration-resistant prostate cancer (CRPC) in the United States

EH09-43 Multiphase study of active surveillance for men with clinical stage T1c or T2a localized prostate cancer

Bayer 3104007 Multinational, randomized, double-blind, placebo-controlled, Phase III efficacy and safety study of ODM-201 in men with high-risk nonmetastatic castration-resistant prostate cancer

Astellas 9785-MA-1008 A multicenter, open-label, single-arm study of enzalutamide re-treatment in the metastatic castrate-resistant prostate cancer, as first treatment post docetaxel in patients who have previously received enzalutamide in the pre-chemotherapy setting

Janssen 64091742PCR2001 A Phase 2 Efficacy and Safety Study of Niraparib in Men with Metastatic Castration-Resistant Prostate Cancer and DNA-Repair Anomalies

UC13-0970 A Phase I/II Trial of Enzalutamide Plus the Glucocorticoid Receptor Antagonist Mifepristone for Patients with Metastatic Castration Resistant Prostate Cancer (CRPC)

Gynecologic Cancer

G0G0238 Randomized trial of pelvic irradiation with or without concurrent weekly cisplatin in patients with pelvic-only recurrence of carcinoma of the uterine corpus

NRG-GY005 A randomized Phase II/III study of the combination of cediranib and olaparib compared to cediranib or olaparib alone, or standard of care chemotherapy in women with recurrent platinum-resistant or -refractory ovarian, fallopian tube or primary peritoneal cancer (COCOS)

G0G0264 A randomized Phase II trial of paclitaxel and carboplatin versus bleomycin, etoposide and cisplatin for newly diagnosed advanced stage and recurrent chemo-naïve stage sex cord-stromal tumors of the ovary

G0G-0286B Randomized Phase II/III study of paclitaxel/carboplatin/metformin (NSC #91485) versus paclitaxel/carboplatin/placebo as initial therapy for measurable stage III or IVA, stage IVB, or recurrent endometrial cancer

UC13-1235 Randomized placebo-controlled Phase II trial of metformin in conjunction with chemotherapy followed by metformin maintenance therapy in advanced-stage ovarian, fallopian tube and primary peritoneal cancer adjuvant treatment

Pilot Study Pilot study of the impact of early palliative care on quality of life in recurrent ovarian, fallopian tube and primary peritoneal cancer

Head and Neck Cancers

HCN Tissue bank tissue/body fluid procurement and clinical data collection for patients with malignancies of the head and neck area and/or premalignant changes

RT0G 1216 Randomized Phase II/III trial of surgery and postoperative radiation delivered with concurrent cisplatin versus docetaxel versus docetaxel and cetuximab for high-risk squamous cell cancer of the head and neck

A091101 Carboplatin_Paclitaxel Induction Chemotherapy and ABT-888 (Veliparib)—A Randomized Phase 1 Study in Patients with Locoregionally Advanced Squamous Cell Carcinoma of the Head and Neck

Hematology

UC14-0899 Phase II randomized trial of continuation of post-transplant maintenance with single-agent lenalidomide versus consolidation/maintenance with ixazomib-lenalidomide-dexamethasone in patients with residual myeloma

Connect MDS AML The Myelodysplastic Syndromes (MDS) and Acute Myeloid Leukemia (AML) Disease Registry

E1910 Phase III randomized trial of blinatumomab for newly diagnosed BCR-ABL-negative B lineage acute lymphoblastic leukemia in adults

CIBMTR Research database for hematopoietic cell transplantation, other cellular therapies and marrow toxic injuries

UC13-1406 Prospective, Multi-Center Phase I/II Trial of Lenalidomide and Dose-Adjusted EPOCH-R in MYC-associated B-Cell Lymphomas

E1A11: Randomized Phase III Trial of Bortezomib, LENalidomide and Dexamethasone (VRd) Versus Carfilzomib, Lenalidomide and Dexamethasone (CRd) Followed by Limited or Indefinite DURation Lenalidomide Maintenance in Patients with Newly Diagnosed Symptomatic Multiple Myeloma (ENDURANCE)

Celgene AG221-AML-004 A Phase III, Multicenter, Open-Label, Randomized Study Comparing the Efficacy and Safety of AG-221 (CC-90007) Versus Conventional Care Regimens in Older Subjects with Late Stage Acute Myeloid Leukemia Harboring an Isocitrate Dehydrogenase2 Mutation

Astellas 2215-CL-0301 A Phase 3 Open-label, Multicenter, Randomized Study of ASP2215 versus Salvage Chemotherapy in Patients with Relapsed or Refractory Acute Myeloid Leukemia (AML) with FLT3 Mutation

A061202 A Phase I/II Study of Pomalidomide, Dexamethasone and Ixazomib Vs. Pomalidomide and Dexamethasone for Patients with Multiple Myeloma Refractory to Lenalidomide and Proteasome Inhibitor-Based Therapy

Carevive The Roles of Education and Patient Engagement to improve Symptom Management and the Quality of Life for Patients with Relapsed/Refractory Chronic Lymphocytic Leukemia

Astex SGI-110-07 A Phase 3, Multicenter, Randomized, Open-label Study of Guadecitabine (SGI-110) versus Treatment Choice in Adults with Myelodysplastic Syndromes (MDS) or Chronic Myelomonocytic Leukemia (CMML) Previously Treated with Hypomethylating Agents

Lung Cancer

S1400 Phase II/III biomarker-driven master protocol for second-line therapy of squamous cell lung cancer

Mirati 265-109 Phase 2, Parallel-Arm Study of MGCD265 in Patients with Locally Advanced or Metastatic Non-Small Cell Lung Cancer with Activating Genetic Alterations in Mesenchymal-Epithelial Transition Factor

AFT-09 Randomized Phase II Trial Evaluating the Optimal Sequencing of PD-1 Inhibition with Pembrolizumab (MK-3475) and Standard Platinum-based Chemotherapy in Patients with Chemotherapy naïve stage IV Non-Small Cell Lung Cancer

S1507 A Phase II Trial of Trametinib with Docetaxel in Patients with KRAS Mutation Positive Non-Small Cell Lung Cancer (NSCLC) and Progressive Disease Following One or Two Prior Systemic Therapies

Mirati 0103-020 A Phase 1 / 2 Study of HDAC Inhibitor, Mocetinostat in Combination with PD-L1 Inhibitor, Durvalumab, in Advanced or Metastatic Solid Tumors and Non-Small Cell Lung Cancer

AbbVie M16-298 A Randomized, Double-Blind, Placebo-Controlled Phase 3 Study of Rovalpituzumab Tesirine as Maintenance Therapy Following First-Line Platinum Base Chemotherapy in Subjects with Extensive Stage Small Cell Lung Cancer (MERU)

Mirati 265-109 Phase 2, parallel-arm study of MGCD265 in patients with locally advanced or metastatic non-small cell lung cancer with activating genetic alterations in mesenchymal-epithelial transition factor

Merck 3475-604 A Phase III randomized, double-blind, placebo-controlled trial of pembrolizumab (MK3475/SCH900475) in combination with etoposide/platinum (cisplatin or carboplatin) for the first line treatment of subjects with extensive stage small cell lung cancer

Sarcoma

A091401 Randomized Phase II study of nivolumab with or without ipilimumab in patients with metastatic or unresectable sarcoma

Skin Cancer

EA6141 Randomized Phase II/III study of nivolumab plus ipilimumab plus sargramostim versus nivolumab plus ipilimumab in patients with unresectable stage III or stage IV melanoma

S1320 A Randomized Phase II Trial of Intermittent Versus Continuous Dosing of Dabrafenib (NSC-763760) and Trametinib (NSC-763093) in BRAFV600E/K Mutant Melanoma

UC15-1788 also known as UC17-0686 Phase II Study of Pembrolizumab and Ipilimumab Following Initial Anti-PD/L1 Antibody

EA6134 A Randomized Phase III Trial of Dabrafenib + Trametinib followed by Ipilimumab + Nivolumab at Progression vs. Ipilimumab + Nivolumab followed by Dabrafenib + Trametinib at Progression in Patients with Advanced BRAFV600 Mutant Melanoma

Other

Janssen 39039039STM4001 Efficacy and safety of rivaroxaban prophylaxis compared to placebo in ambulatory cancer patients initiating systemic cancer therapy and at high risk for developing venous thromboembolism

IEAY131-C1 Crizotinib in patients with tumors with MET amplification

EAY131-C2 Crizotinib in patients with tumors with MET exon 14 deletion

EAY131-X Phase II study of dasatinib in patients with tumors with DDR2 mutations

EAY131-Z1B Phase II study of palbociclib (PD-0332991) in patients with tumors with CCND1, 2, 3 amplification and Rb protein expression by IHC

EAY131-T GDC-0449 (vismodegib) in patients with tumors (except basal cell skin carcinoma) with smoothened (SMO) or patched 1 (PTCH1) mutations

EAY131-S2 Phase II study of trametinib in patients with tumors with GNAQ or GNA11 mutations

EAY131-I GDC-0032 (taselisib) in patients with tumors (other than breast cancer) with PIK3CA mutation but without KRAS mutation or PTEN losses

EAY131-W Phase II study of AZD4547 in patients with tumors with aberrations in the FGFR pathway

EAY131-S1 Phase II study of trametinib in patients with tumors with NF1 mutations

EAY131 Molecular Analysis for Therapy Choice (MATCH)

EAY131-G Phase II study of crizotinib in patients with ROS1 translocations (other than patients with non-small cell lung cancer)

EAY131-E AZD9291 in patients with tumors having EGFR T790M mutations (except non-small cell lung cancer) or rare activating mutations of EGFR

EAY131-F Crizotinib in patients with tumors (other than adenocarcinoma of lung or ALCL) with ALK rearrangements

EAY131-H Phase II study of dabrafenib and trametinib in patients with tumors with BRAF V600E or V600K mutations (excluding melanoma and thyroid cancer)

EAY131-V Phase II study of sunitinib in patients with tumors with c-kit mutations (excluding GIST, renal cell carcinoma or pancreatic neuroendocrine tumor)

Breast Surgery

EH15-297A Randomized Phase III trial comparing axillary lymph node dissection to axillary radiation in breast cancer patients (cT1-3 N1) who have positive sentinel lymph node disease after neoadjuvant chemotherapy—Alliance A011202

EH15-308 Using genetic risk scores to assess the efficacy of mammography screening among women diagnosed with breast cancer

EH15-385 Clinical benefit of breast MRI for newly diagnosed invasive and noninvasive breast cancer

EH16-063 Germline genetic profiles associated with contralateral breast cancer patients

EH11-277 Continuation of retrospective analysis of breast MRI performed at NorthShore University HealthSystem for newly diagnosed breast cancer

EH14-346 Effects of preoperative breast MRI on surgical outcomes, costs and quality of life of women with breast cancer—Alliance A 011104/ACRIN 6694

EH15-142 Regional variation of breast surgery in SEER—Medicare

EH15-210 Continuation of the accelerated partial breast irradiation experience in early stage breast cancer at NorthShore

EH15-296 Surveillance, epidemiology, and end results (SEER)—breast

EH14-020 Piloting and in-visit decision aid for contralateral prophylactic mastectomy decision making

EH09-387 Retrospective analysis of breast MRI performed at NorthShore University HealthSystem for newly diagnosed breast cancer

EH88-077 The establishment and maintenance of the NorthShore University HealthSystem comprehensive data registry for breast surgeries and breast tissue bank

EH07-099 Mentor post-approval study of mentor MemoryGel breast implants in women undergoing breast augmentation or reconstruction

EH11-124 Development and maintenance of a comprehensive breast reconstruction registry at NorthShore University HealthSystem

EH12-321 An investigation of disparities in the delivery of breast reconstruction among older patients who undergo mastectomy

EH14-045 A retrospective review of pain control using exparel versus bupivacaine pain pump in implant-based breast reconstruction

EH14-218 Does contralateral prophylactic mastectomy improve satisfaction and psychosocial health?

EH16-050 Unilateral versus bilateral mastectomy and reconstruction: A 5- and 10-year cost analysis

Colorectal Surgery

EH12-468 N1048 A Phase II/III trial of neoadjuvant FOLFOX with selective use of combined modality chemoradiation versus preoperative combined modality chemoradiation for locally advanced rectal cancer patients undergoing low anterior resection with total mesorectal excision

EH13-089 Investigating gene profiles of colorectal hepatic metastases

Head and Neck Surgery

EH16-296 Evaluation of feeding tube placement and dysphagia in head and neck cancer patients

Pancreatic Cancer

EH12-060 Genomics of pancreatic cancer

EH12-118 Retrospective analysis of clinical and pathological features in patients with ampullary carcinoma

EH14-399 Survival differentiators in pancreatic cancer

EH08-197T Clinical pancreatic cancer database

EH13-296 Retrospective analysis of association of sarcopenia with frailty and surgical outcomes in patients with pancreatic pathology

EH13-362 Outcomes of pancreatic cancer

Lung and Esophageal Cancer

EH98-136 Establishment and maintenance of a comprehensive thoracic tumor data registry and biorepository

EH13-155 Best practice in VATS lobectomy for lung cancer: Database management and analytics for a longitudinal study to optimize care for lung cancer patients

EH15-121 A Phase III double-blind trial for surgically resected early stage non-small cell lung cancer: Crizotinib versus placebo for patients with tumors harboring the anaplastic lymphoma kinase (ALK) fusion protein (E4512)

EH15-122 Randomized double-blind, placebo-controlled study of erlotinib or placebo in patients with completely resected epidermal growth factor receptor (EGFR) mutant non-small cell lung cancer (NSCLC), A081105

EH15-175 A multicenter, randomized trial of esophagectomy and cervical esophagogastrotomy with (two-stage) or without (one-stage) prior ischemic gastric preconditioning by laparoscopic ligation of left gastric and short gastric arteries

EH15-333 Chart review study to measure the incidence of delayed gastric emptying syndrome (DGES) in esophagectomy patients and report their outcomes

EH15-205 A Prospective, multi-center evaluation of a powered vascular stapler in video-assisted thoracoscopic lobectomies—Protocol #: ESC-15-001

16-268 EA5142 Adjuvant nivolumab in resected lung Cancers (ANVIL): A randomized Phase III study of nivolumab after surgical resection and adjuvant chemotherapy in non-small cell lung cancers

EH16-325 Intercostal liposomal bupivacaine injection efficacy compared to continuous subpleural bupivacaine infusion—a follow-up study of EH13-303

Thyroid Surgery

EH12-310 The occurrence of BRAF mutation in thyroid cancer

EH14-058 The establishment of a multi-disciplinary comprehensive database of patients for thyroid nodular disease

EH14-263 Epigenetic chromatin conformation changes in peripheral blood to differentiate benign versus malignant thyroid lesions

Genitourinary Cancer

EH09-043 A multi-phase study of active surveillance for men with clinical stage T1c or T2a localized prostate cancer

EH10-089 Periprostatic fat as a promoter of prostate cancer progression

EH10-379 3-dimensional transrectal ultrasound for prostate cancer diagnosis and surveillance

EH13-049 Compliance and outcomes with penile rehabilitation in men after prostate cancer treatment

EH13-088 Mind-body health in uro-oncology

EH13-250 Cancer susceptibility: The ICPGC study (International Consortium for Prostate Cancer Genetics)

EH13-434 Transforming diagnosis of aggressive prostate cancer via nanocytology of field carcinogenesis

EH13-446 A retrospective review of patients who have been removed from study EH09-043: A multi-phase study of active surveillance for men with clinical stage T1c or T2a localized prostate cancer

EH14-133 The Lived Experience of Men with Sexual Dysfunction after Prostate Cancer Treatment

EH14-031 Genomic markers in transitional cell cancer of the bladder, renal pelvis and ureter: Sample acquisition for methods development and discovery

EH14-285 Fat and its relationship to prostate, bladder and kidney cancer

EH15-240 Urologic oncology: Costs and complications

EH14-206 Nanocytology to mitigate overdiagnosis of prostate cancer

EH15-241 Achieving comparable diagnostic accuracy of prostate cancer (PCa) using fine-needle aspiration (FNA) nanocytologic diagnosis based on detection of field carcinogenesis by partial wave spectroscopy (PWS)

EH16-009 Clinical validation of a urine-based assay with genomic and epigenomic markers for predicting recurrence during non-muscle invasive bladder cancer surveillance

EH16-183 Evaluation of the utility of the prostate health index in routine clinical practice

EH16-202 Detecting copy number alterations (CNAs) of MYC and PTEN in biopsy samples to predict clinical outcomes in prostate cancer

EH16-232 Trends in upper tract urothelial treatment

EH16-240 Timing of artificial urinary sphincter placement

EH15-124 Reducing the Effects of Active Surveillance Stress, Uncertainty and Rumination thru Engagement in Mindfulness Education (REASSURE ME)

EH15-403 Mindfulness online for symptom alleviation and improvement in cancer of the prostate (MOSAIC-P)

EH16-236 Novel genetic markers for predicting clinical outcomes in patients with high-grade superficial bladder cancer

EH16-239 The impact of using genetic risk scores (GRSs) for inherited risk assessment of prostate cancer

Patient-Centered, Compassionate Care

Oncology Nursing

A dedicated and experienced team of nurses provides clinically expert and compassionate care in the Kellogg Cancer Center. The nursing staff has the Oncology Nursing Society's chemotherapy and biotherapy validation, and many have achieved the national certification for "Oncology Certified Nurse."

Each physician works with a collaborative nurse. The nurse works with the physician to coordinate care and provide resources for the patient and family, provides one-to-one patient/family teaching sessions to address the multiple physical and psychosocial impacts of cancer, and forms a long-term caring professional relationship with the patient and family to support them in their cancer journey.

The treatment nurses provide a high level of hands-on care and compassion as they administer treatments and coordinate with the physician team. Advanced practice nurses are an integral part of the care team working with patients for scheduled visits and unscheduled urgent care and symptom management needs.

Nurse navigators help patients manage their course of care from diagnosis to surgical, medical and radiation treatment and ultimately to survivorship.

As part of NorthShore University HealthSystem, Kellogg Cancer Center nurses have achieved Magnet designation, which reflects the high level of professionalism, quality and ownership of their practice. ■



Dedicated oncology nurses Laura Lenski (from left), Deb Damen and Brianna Lampe

Oncology Nutrition Services

Nutrition counseling is an important aspect of care for all of our patients. Proper nutrition is critical to good health; treatment tolerance; maintenance of weight; completion of surgical, radiation or chemotherapy treatment; and ultimately the best cancer outcomes. Yet maintaining a healthy diet can be especially challenging for individuals undergoing cancer treatment. Registered dietitian-nutritionists (RDNs) with expertise in oncology are available to provide nutrition therapy to help patients and families develop nutrition goals, devise therapeutic meal plans and provide education throughout the continuum of cancer care.

Our oncology RDNs are experts at translating evidence-based cancer nutrition research—whether related to prevention, treatment or survivorship, to improve health and well-being or reduce the risk of cancer recurrence. They actively partner with Chicago area cancer organizations to provide nutrition education and support to our community. ■

Psychosocial Support

NorthShore's Kellogg Cancer Center's Psychosocial Oncology Program offers services to patients and their families to help them navigate their emotional and practical needs during their cancer journey. The team sees patients who are new to chemotherapy infusions, those referred directly for specific needs, and those who have identified themselves as distressed on the Psychosocial Distress Screening Tool. They also provide ongoing supportive check-ins throughout treatment.

A team of experienced oncology social workers helps patients and their families understand and process the wide range of normal emotional reactions they have to diagnosis, treatment and, for some, terminal illness, including fear, anger and sadness. They help patients cope with their emotional distress using a variety of therapeutic approaches, including cognitive behavioral therapy, and identify and address barriers to receiving treatment, including transportation and financial concerns.

Our team also helps build a comprehensive network of support by providing referrals as needed to local cancer support programs, home care services, integrative medicine practitioners and mental health clinicians in the community. They also assist with advanced care planning, including living wills and durable power of attorney for health care forms.

The Psychosocial Program partners with a Child Life Specialist who coaches patients in caring for their children on issues related to diagnosis, prognosis, loss of hair and other physical changes, and end of life. Our specialists facilitate a biweekly in-house stress reduction group, as well as other monthly support groups for those with brain tumors, head/neck cancer, prostate cancer and breast cancer. ■

Integrative Medicine

NorthShore's Integrative Medicine Program provides services to oncology patients including acupuncture, massage therapy and psychotherapy, as well as integrative medicine physician consultations.

The integrative medicine team works closely with the NorthShore Foundation to ensure that scholarship funds are available for Kellogg Cancer Center patients in need to receive the support and treatment to help with issues such as pain, decreased appetite, digestive issues and discomfort. Thanks to generous support of philanthropic partners and the Kellogg Cancer Center, our Integrative Medicine Scholarship Program provides thousands of dollars in free integrative medicine services.

We have two new integrative medicine primary care physicians attending the Arizona Center for Integrative Medicine with mentorship provided by our Director, Leslie Mendoza Temple, MD.

Our second annual "Food as Medicine" symposium for patients, students, physicians and community members provided cutting-edge nutritional medicine information on how diet can positively and negatively impact diseases, including certain cancers. ■

LIFE Cancer Survivorship

The mission of the Living in the Future (LIFE) Cancer Survivorship Program is to help patients bridge the gap between the oncology treatment environment and the primary care setting. When cancer treatment ends, the period of transition brings with it new exploration into how cancer has affected survivors both physically and emotionally. Survivorship planning is an important aspect of Kellogg Cancer Center's personalized post-treatment cancer care.

The LIFE Program under the direction of its founder Carol A. Rosenberg, MD, FACP, pioneered survivorship care planning at NorthShore and is continuing to lead its evolution with the implementation of a new innovative technology. This sophisticated technology, called Carevive, enables Kellogg Cancer Center to continue as a leader by providing every patient who completes treatment with an up-to-date and comprehensive survivorship care plan, which is integrated into the Electronic Medical Record (EMR) system. Individualized visits with a specialized LIFE advanced practice oncology nurse are designed to address the unique and long-term needs of patients as they complete primary treatment for cancer. The LIFE model of survivorship care was recently described in the international *Journal of Cancer Survivorship* and assessed by the national patient reported outcomes initiative and has received an international reputation for helping survivors.

The LIFE Program's educational reach goes into the community. In LIFE's Myra Rubenstein Weis (MRW) Survivor 101 seminars, survivors and their families are taught the science of improving the quality and quantity of their life after treatment.

Emerging internists and family medicine practitioners as well as nurses, clinical researchers and mental health professionals are trained by the LIFE Program to address issues that arise among cancer survivors. This curriculum, created and directed by Dr. Rosenberg and accredited by the University of Chicago Pritzker School of Medicine, is one of the first of its kind in the nation. The LIFE Program has benefited from ongoing philanthropic support in memory of Myra Rubenstein Weis and other generous supporters. ■

Dedicated Oncology Pharmacy

Oncology pharmacists are key members of the multidisciplinary care team participating in all aspects of the comprehensive oncology program at Kellogg Cancer Center. The pharmacists work as part of the team with oncologists and nurses to provide optimal care for each individual patient, and are key participants in education and training of healthcare professionals. The Oncology Pharmacy Residency Program is an accredited specialty pharmacy program. Residents conduct major projects to improve patient care at our institution. Our latest resident Laura Schmidt initiated a project in collaboration with oncologists Bruce Brockstein, MD, and Thomas Hensing, MD. She examined the incidence of immune checkpoint inhibitor toxicity and developed an educational program to improve management of these unique toxicities. The project was presented at the Hematology Oncology Pharmacy Annual meeting, and lectures delivered to ten internal subspecialty groups.

The effectiveness of the educational program was measured with pre- and post-survey assessments. Understanding of immunotherapy in oncology staff increased by 37.3 percent and confidence in managing immune checkpoint inhibitor toxicity increased by 58.3 percent. ■

Patient Education

We are dedicated to providing holistic and compassionate care to patients and their families, and our resource centers reflect our desire to provide as much educational support as possible.

Philanthropic support has been essential in developing the Myra Rubenstein Weis (MRW) Health Resource Center at NorthShore Highland Park Hospital, and the Kellogg Cancer Resource Center at Evanston Hospital, established in memory of patients Ira Korman. Both centers offer valuable information vehicles and opportunities for patient education.

Collaborative nurses meet with new patients to review individual treatment plans and develop a relationship that encourages them to ask questions throughout their care. Comprehensive patient education materials are also provided for all patients.

NorthShore's "Understanding Cancer" educational events in collaboration with Mayo Clinic are one element of our community outreach and education efforts. Held several times throughout the year, these physician-led programs provide the community with cancer-related information. ■



Kellogg Cancer Center Medical Director Dr. Bruce Brockstein (center) joined Kellogg Cancer Center staff and family members for an American Cancer Society fundraising event.

Supporting the Community

Community outreach is an important element of our mission as we are fully committed to fighting cancer and joining forces to raise awareness and educate our community.

We participated in and contributed to 19 events last year from the iconic Hustle Up the Hancock, to the National Ovarian Cancer Coalition Run/Walk where NorthShore's team was among the top three fundraisers, to multiple American Cancer Society (ACS) Making Strides Against Breast Cancer events.

From corporate sponsorship to providing speakers and enthusiastic teams of runners and walkers, NorthShore is thoroughly engaged in a range of events that promote cancer prevention and research.

NorthShore also hosted numerous programs, including ACS Look Good Feel Better sessions for women in treatment and Imerman Angel Socials.

Free oral and skin cancer screenings in both Gurnee and Highland Park also drew numerous and underserved community members in Lake County. ■

Patient-Centered, Compassionate Care

(continued from page 13)

Financial Advocacy

Patient Financial Advocates meet with new patients starting cancer treatment and explain our well-established assistance program that is designed to help with a variety of financial issues. Our specially trained advocates work with a team of precertification specialists who work on getting treatment plans preauthorized for payment and can answer questions about bills and charges.

For patients who demonstrate significant financial need, our advocates coordinate reduced-cost care through state programs, NorthShore's charity care program, and in some cases working directly with pharmaceutical companies or private foundations to make care possible. Our Patient Financial Advocates work closely with social workers and the Kellogg Cancer Center team. ■

Advance Care Planning

Kellogg Cancer Center's Advance Care Planning initiative is designed to improve quality of life for advance care patients, while ensuring that they receive their desired level of care in the setting they choose. A new End-of-Life Quality Initiative at NorthShore will focus on improving goals of care and advance care planning conversations with high-risk patients, using early palliative care to help the process.

Palliative Care

Oncologist Lauren Wiebe, MD, joined the Palliative Care team led by Michael Marschke, MD. In addition to focused, compassionate patient care, the Palliative Care team offers monthly grand rounds and ongoing education for NorthShore physicians. Community outreach and activism are also important elements of our program. Dr. Wiebe was invited to serve a two-year term as an Honorary Co-Chair for the Greater Chicago PANCan (Pancreas Cancer Action Network) PurpleStride fundraiser, where several Kellogg Cancer Center nurses and patient families participated.

In her role as a GI oncologist and board-certified palliative care specialist, Dr. Wiebe has expanded Kellogg Cancer Center's Palliative Care Program including on-site palliative care clinics. She is collaborating with Mark Dunnenberger, PharmD, to consider the role and future paradigm of using pharmacogenomic testing in providing genome-directed supportive care of cancer patients, with a forthcoming manuscript. ■

Academic Leadership Roles and Awards 2016–2017

Kellogg Cancer Center physicians are active in a broad range of regional and national organizations.

Charles Brendler, MD

- Journal Referee: *Journal of Urology*, *Urology*, *Journal of Clinical Oncology*

Bruce Brockstein, MD

- Member, Head and Neck Committee, Eastern Cooperative Oncology Group, 2000-present
- *Chicago* magazine Top Doctors, 2006, 2008, 2010, 2012, 2014, 2016

Editorial:

- Manuscript Reviewer: *Head and Neck*, *Annals of Surgical Oncology*
- Grant Reviewer: *Cancer Research UK*
- CCGT-Belgian Foundation Against Cancer, reviewer
- *UpToDate* (Online Textbook), Chapter Editor, Head and Neck Cancer, 2000-present

Nicholas Campbell, MD

Editorial:

- Reviewer: *Lung Cancer*, *Faculty of 1000*, *Clinical Case Reports*

Claus Fimmel, MD, CPE

- Advisory Board, American Liver Foundation, Chicago Chapter, 2008-present

Editorial:

- The *Open Proteomics Journal* (ISSN 1875-0397) (2008-current); *Liver Cancer Review Letters* (2009-current)
- Ad Hoc Reviewer: *Hepatology*, *American Journal of Gastroenterology*, *American Journal of Physiology*, *Journal of Hepatology*, *Journal of Laboratory and Clinical Investigation*, *Laboratory Investigation*, *American Journal of Pathology*, *Oncogene*, *Gastroenterology*, *Clinical Gastroenterology and Hepatology*, *Journal of Cellular Biochemistry*, *Journal of Proteome Research*, *Proceedings of the National Academy of Sciences*, *PLoS Medicine*, *ACG Case Reports Journal*, *World Journal of Hepatology*

David Grinblatt, MD

- Community Oncology Committee, ALLIANCE for Clinical Trials in Oncology, 2010-present
- Scientific Advisory Committee, CONNECT CLL Registry
- Scientific Advisory Committee, MDS/AML Patient Registry

Editorial:

Ad Hoc Reviewer: *Annals in Oncology*, 1996-present

Simon Hayward, PhD

- Appointed to the NIDDK GenitoUrinary Development Molecular Anatomy Project (GUDMAP), External Expert Panel

Thomas Hensing, MD

- Lung Cancer Initiative Advisory Council, Respiratory Health Association, 2005-present
- Respiratory Committee Member, Alliance for Clinical Trials in Oncology, 2010-present
- Scientific Committee Member, ASCO Thoracic Oncology Tract, 2014-2017
- Chair, Lung Oncology Group in Chicago (LOGIC), 2005-present
- Lung Quality Measures Group, Commission on Cancer (CoC)/National Cancer Database (NCDB), 2011-present

Presentations/Invited Lectures:

- **Hensing T**, Bauer T, Palafox A, Whalen M, Carro GW. Addressing risk of financial toxicity in an ambulatory oncology practice: Our institutional experience with the ASCO Quality Training Program. *J Clin Oncol* 35, 2017 (suppl 8S; abstract 114). Poster Presentation, 2017 ASCO Quality Symposium.

Thomas Hensing, MD (continued)

- Ologbile S, Bao R, **Hensing T**, Nakamura Y, Vokes E. Molecular determinants of lack of tumor immune infiltration in NSCLC. *J Thorac Oncol*, Vol. 12, Issue 1, 2016, S431-432. Oral Presentation (Hensing), IASLC 17th World Conference on Lung Cancer, Vienna, Austria, December 4-7, 2016.
- Wood K, Shah S, Brisson TK, **Hensing T**, Luke JJ, Patej JD. Clinical Characteristics of Acquired Resistance with Anti-PD-/PD-L1 in Non-Small Cell Lung Cancer (NSCLC). Poster Presentation PS01.63. IASLC 2016 Chicago Multidisciplinary Symposium in Thoracic Oncology, Chicago, IL, September 22-24, 2016.
- Panel Discussant: "Lung Cancer Update." Cancer Wellness Center, Northbrook, IL, November 9, 2016.

Michael Howard, MD

- Elected Member, American Association of Plastic Surgeons (Membership in this society is by invitation only and recognizes academic and clinical excellence and career achievement in plastic surgery.)

Jean Hurteau, MD

- Member, Development Therapeutics Committee, NRG/Gynecologic Oncology Group, 2012-present
- Member, Rare Tumor Committee, NRG/Gynecologic Oncology Group, 2012-present
- Member, International Committee, The Society of Gynecologic Oncology, 2013-present

Karen Kaul, MD

- American Board of Pathology: Appointed Trustee, 2011-present; ACGME Residency Program Review Committee, 2012-present; Secretary, Executive Committee, 2015-present; Communications Task Force, 2012-present; Chair, Test Development & Advisory Committee for Molecular Genetics, 2012-present; Vice President, Executive Committee, 2017-present; ABP/PROD Entrustable Professional Activities Task Force, 2017-present
- American Board of Medical Specialties, Member, Physician Scientists & Continuing Certification Committee, 2014-present
- American Society of Clinical Pathology, Member, Ad Hoc Working Group on GME, 2012-present
- College of American Pathologists, Laboratory Test Utilization Group, 2013-present; Member, Executive Advisory Board, *Archives of Pathology & Laboratory Medicine*, 2015-Present
- PRODS (Pathology Residency Program Directors), Member PRODS Council, 2009-present; Council of Medical Specialty Societies/OPDA representative, 2009-present; Training Residents in Genomics (TRIG) Joint Committee, 2010-present
- Association of Pathology Chairs, Member, 2012-present; elected Chair, GME Committee, 2015-2018; Council, 2015-present
- Ad Hoc Member, NIH/NCI P01 reviewer, 2001-present
- SBIR Review Panels, various (Panel Chairperson 2010-present), 2008-present
- Peer Reviewer: Prostate Cancer Foundation, 2010-present
- Peer Reviewer: University of Chicago CTSA Pilot Program, 2011-present
- Chair, NorthShore Auxiliary Breast/Ovarian Research Program, 2013-present

Editorial Activities:

- Editorial Board, Annual Reviews in Pathology, 2001-present
- Associate Editor, *Academic Pathology*, 2014-present
- Executive Advisory Board, *Archives of Pathology and Lab Medicine*, 2015-present
- Ad Hoc Reviewer: *Cell Growth and Differentiation*, *Pediatric Pathology*, *Cancer*, *Clinical Microbiology Reviews*, *Tubercle, Chest*, *Archives of Pathology and Laboratory Medicine*, *Clinical Chemistry*, *American Journal of Clinical Pathology*, 1990-present

Janardan Khandekar, MD

- Chairman, Awards Committee, American College of Physicians (Illinois), 2012-present

Editorial:

- Associate Editor, *Journal of Surgical Oncology*
- Reviewer: *Cancer*, *Journal of Clinical Oncology*, *Journal of Surgical Oncology*, *Journal of National Cancer Institute*

Seth Krantz, MD

Presentations:

- Ajmani GS, Wang C, Kim K, Howington JA, **Krantz SB**. Surgical quality of wedge resection impacts overall survival when compared to stereotactic body radiation therapy in patients with early stage non-small cell lung cancer. Oral Presentation (Krantz) at the American Association for Thoracic Surgery Centennial. Boston, MA, May 2017.

Seth Krantz, MD (continued)

- **Krantz SB**, Mitzman B, Lutfi W, Wang C, Howington JA, Kim K. Neoadjuvant Chemotherapy and Radiation Shows No Survival Advantage to Chemotherapy Alone in Stage IIIA Patients: A Propensity-Matched Analysis Of The National Cancer Database. Oral Presentation (Krantz) at the 53rd Annual Meeting of the Society of Thoracic Surgeons. Houston, TX, January 2017.
- **Krantz SB**, Lutfi W, Kuchta K, Wang C, Kim K, Howington JA. Improved Lymph Node Staging in Early Stage Non-Small Cell Lung Cancer in the National Cancer Database. Oral Presentation (Krantz) at the 63rd Annual Meeting of the Southern Thoracic Surgical Association. Naples, FL, November 2016.

Rubert Marsh, MD

- Member, GI Committee, Eastern Cooperative Oncology Group

Editorial Work:

- *Southern Medical Journal, Cancer, Rogers Medical Intelligence Solutions CME Programs, American Journal of Clinical Oncology, Journal of the Pancreas, Lancet Oncology, European Journal of Surgical Oncology, Public Library of Science*

Elena Moore, MD

- Journal Ad Hoc Peer Reviewer: *Gynecologic Oncology*, 2014-present

Faris Murad, MD, FASGE

- Committee Member, Society of American Gastrointestinal and Endoscopic Surgeons (SAGES), Flexible Endoscopy, 2012-present
- Committee Member, American Society for Gastrointestinal Endoscopy (ASGE), ASP Committee, 2015-present

Invited Lectureships:

- 10th Annual St. Louis Live Endoscopy Course. Moderator, St. Louis, MO, July 2016
- SAGES (Society of American Gastrointestinal and Endoscopic Surgeons) GI does Endoscopy. How can I get surgery residents trained? Houston, TX, March 2017
- DDW (Digestive Disease Week). Session Moderator: New Technology II—Imaging and Dissection. Chicago, IL, May 2017

Editorial:

- Video Reviewer: *Gastrointestinal Endoscopy*, 2013-present

Poornima Saha, MD**Presentations:**

- Stringer-Reasor E, **Saha P**, Swoboda A, Kocherginsky M, Lastra R, Baker G, Karrison T, Olberkyte S, Owusu N, Dyer B, Olalde L, Olszewski E, Hahn O, Hoffman P, Phillips B, Suh G, Conzen S, Fleming G, Nanda R. A phase I trial of mifepristone (M), carboplatin (C), and gemcitabine (G) in advanced breast and ovarian cancer
- Poster Presentation at American Society of Clinical Oncology (ASCO). Chicago, IL. June 2017.

Gustavo Rodriguez, MD

- Member, Cancer Prevention and Control Committee, NRG

Carol Rosenberg, MD

- Research Investigator, Women's Health Initiative study, National Institutes of Health (NIH), 1999-present
- Coleman Foundation Citywide Supportive Oncology Initiative (CSOI) Survivorship Design Member/Consultant
- Patient-Centered Outcomes Research Initiative (PCORI) National Comparative Effectiveness Evaluation of Survivorship Programs in the United States. LIFE site Project Supervisor—LIFE Program Participant Program
- American College of Physicians (ACP) Survivorship Steering Committee representative, faculty-invited lecturer for the 2016 Inaugural Cancer Survivorship Symposium, ASCO-ACP-AAFP Advancing Care and Research—A Primary Care and Oncology Collaboration, San Francisco, CA, January 15-16, 2016
- American College of Physicians (ACP) Survivorship Steering Committee Representative and Faculty and Invited Lecturer for the 2017 Cancer Survivorship Symposium, ASCO-ACP-AAFP Advancing Care and Research—A Primary Care and Oncology Collaboration, San Diego, CA, January 27-28, 2017
- Chair-Elect, Steering Committee and Faculty for the 2018 Cancer Survivorship Symposium, ASCO-ACP-AAFP Advancing Care and Research—A Primary Care and Oncology Collaboration, Orlando, FL, February 16-17, 2018

Invited Speaker:

- 2017 Cancer Survivorship Symposium, ASCO-ACP-AAFP Advancing Care and Research—A Primary Care and Oncology Collaboration. Faculty Presenter: Developing and Customizing Survivorship Educational Resources and Learning Tools. San Diego, CA, January 27-28, 2017
- LIFE as a Previvor Workshop Symposium: Strategies for Breast and Ovarian Cancer Predisposition Genes Coordinator, Moderator and Presenter Myra Rubenstein Weiss Leadership Board Workshop Symposium Evanston, IL, April 6, 2017

Carol Rosenberg, MD (continued)

- Scholars in Oncology Associated Research Program (SOAR) at the University of Chicago Pritzker School of Medicine; Survivorship Medical Student Curriculum. Faculty-Invited Lecturer: What is Cancer Survivorship? Cancer Survivors Living in the Future. University of Chicago Pritzker School of Medicine. Chicago, IL, August 2017
- 2018 Cancer Survivorship Symposium, ASCO-ACP-AAFP Advancing Care and Research—A Primary Care and Oncology Collaboration. Chair and invited Faculty Presenter: Orlando, FL, February 16-17, 2018

Research Abstracts and Poster Presentations:

- McKillip RP, Hahn OM, Sulai NH, **Rosenberg CA**, Olopade OI, Arora VM, Golden DW. Introducing Medical Students to Survivorship Care through an Elective Oncology Summer Program. Abstract #12/Poster Presentation (Rosenberg) at Cancer Survivorship Symposium: Advancing Care and Research, January 15-16, 2016, San Francisco, CA.
- McKillip RP, Hahn OM, **Rosenberg CA**, Olopade OI, Arora VM, Golden DW. Introducing Medical Students to Survivorship Care through an Elective Oncology Summer Program. Abstract #17/Poster Presentation (Rosenberg) at Cancer Survivorship Symposium: Advancing Care and Research, January 27-28, 2017, San Diego, CA.
- Weldon CB, Trosman JR, Roggenkamp B... **Rosenberg CA**. Training a Survivorship Care Workforce with a Novel Web-Based Training Curriculum. Abstract #16 Poster Presentation (Rosenberg) at Cancer Survivorship Symposium: Advancing Care and Research, January 27-28, 2017, San Diego, CA.
- Trosman JR, Weldon CB, **Rosenberg CA**, et al: Supportive Oncology and Survivorship Care: Initial Impact of the Coleman Supportive Oncology Collaborative. Presentation General Session 2; Abstract #2 Presentation (Rosenberg) at Cancer Survivorship Symposium: Advancing Care and Research, January 27-28, 2017, San Diego, CA.

Prem Seth, PhD

- Editorial Board, Cancer Gene Therapy
- Editorial Board, Molecular Therapy-Oncolytics

Daniel Shevrin, MD

- Member, ECOG GU Committee, 1997-present; Community Co-Chair, ECOG GU Committee, 2005-present
- Member, National Cancer Institute (NCI) GU Steering Committee, 2014-present
- Member, Executive Committee, Prostate SPORE, Northwestern University, 2002-present
- Director, Advocacy Core Prostate SPORE, Northwestern University, 2003-present
- Medical Director, NorthShore Chapter of US TOO Prostate Cancer Support Group, 2002-present

Mark Sisco, MD, FACS

- Editorial Board, *Journal of Surgical Oncology*
- Peer Reviewer: *Journal of Surgical Research*, 2010-present; *Journal of Surgical Oncology*, 2014-present

Mark Talamonti, MD

- Society of Surgical Oncology, Foundation Board of Directors, 2014-2017; Chairman, Corporate Relations Committee, 2017-2018; Chairman, Local Arrangements Committee, 2017-2018
- Western Surgical Association, Membership Committee, 2012-present; Treasurer, 2012-present

Editorial:

- Editorial Board: *Annals of Surgical Oncology, Journal of Surgical Oncology*; Section Editor, *Hepatobiliary and Pancreas*
- Invited Reviewer: *American Journal of Surgery, Annals of Surgery, Archives of Surgery, Cancer, Journal of Clinical Oncology, Oncology, Surgery, World Journal of Surgery*

Invited Speaker/Presentations:

- "Minimally Invasive Pancreatic Resections. Cutting-Edge Technologies for Pancreatic Cancer—Global Perspectives," ASCO GI Symposium, San Francisco, CA, January 20, 2017; Presenter and Panel Discussant
- "Update on Borderline Resectable Pancreatic Cancer," Society of Surgical Oncology Annual Meeting, Seattle, WA, March 17, 2017; Invited Presentation
- "Assessing the Competencies in General Surgery Residency Training," Lecture for the Teaching Faculty of the Department of Surgery, Peking Union Medical College Hospital, Beijing, China, July 5, 2017; Visiting Professor
- Assessment and Quality Improvement of Residency Training, Peking Union Medical College Hospital, Beijing, China, July 6, 2017; Visiting Professor

Mark Talamonti, MD (continued)

- Summit Forum of Standardized Medical Residency Training, Zhongshan Hospital of Fudan University, Shanghai, China, July 8, 2017; Visiting Professor

Leslie Mendoza Temple, MD

- Former Chair, Medical Cannabis Advisory Board, Illinois Department of Public Health (mcpp.illinois.gov)
- Immediate Past Chair, Policy Working Group for the Academic Consortium for Integrative Medicine and Health (imconsortium.org)

Elaine Wade, MD

- President, NorthShore Regional Division, American Cancer Society, 2007-present

Lauren Wiebe, MD

- Junior Research member of the PCRC Scientific Review Committee. Served as a reviewer for the NIH-funded PCRC Investigator Development Pilot Award Program.
- Invited to serve a 2-year term as an Honorary Co-Chair for the Greater Chicago PANCan (Pancreas Cancer Action Network) PurpleStride fundraiser (2017-2019).
- Co-author on two abstracts accepted at the NCCN 2017 Annual Conference in Orlando and subsequently published in the *Journal of the National Comprehensive Cancer Network* May special issue: Highlights of the Annual Conference. Titles were "Pilot results of consolidated screening tool for distress and supportive oncology needs" and "Supportive Oncology Care—An NCCN Online Educational Series."
- Member of the Advanced Disease Team for the Coleman Supportive Oncology Collaborative

David J Winchester, MD

- Director, Rice Foundation, 1998-present
- American Joint Committee on Cancer (AJCC), Vice-Chairman, 2011-present; Finance Committee, 2008-present; Education and Promotions Committee, 2007-present
- Metropolitan Chicago District #2 Committee on Applicants, American College of Surgeons, 1999-present
- Program Committee, Society of Surgical Oncology, 2009-present
- American College of Surgeons, Commission on Cancer, 2007-present
- Member of Alliance ACS Clinical Research Program, 2012-present
- *Chicago* magazine Top Doctor 2014, 2016

Editorial:

- Member of Editorial Board, *Breast Diseases: A Year Book Quarterly*, 1998-present
- Member of Editorial Board, *American Journal of Clinical Oncology*, 2006-present; Associate Editor, 2009-present
- Member of Editorial Advisory Board, American Family Physician, 2012-present
- Section Editor, *Journal of Surgical Oncology*, 2014-present
- Ad Hoc Reviewer: *Annals of Surgical Oncology, British Journal of Cancer, Cancer, Canadian Medical Association Journal, Clinical Breast Cancer, Cancer Control: Journal of the Moffitt Cancer Center, Journal of Clinical Oncology, The Lancet Oncology, World Journal of Surgical Oncology*

Katharine Yao, MD

- Publications Committee, American Society of Breast Surgeons
- Cancer Care Delivery Research Committee, The Alliance Clinical Cooperative Group
- Chair, Quality Improvement and Information Technology Committee, National Accreditation Program for Breast Centers (NAPBC)
- Consensus Group on Contralateral Prophylactic Mastectomy, American Society of Breast Surgeons
- Program Chair, American Society of Breast Surgeons
- Local Arrangements Committee, Society of Surgical Oncology
- Chair, Prevention Committee Women's Working Group, the Alliance Clinical Cooperative Group
- American Board of Surgery Certifying Exam Committee, Breast Section

Editorial Boards:

- *Journal of Surgical Oncology*
- *Annals of Surgical Oncology*

Awards:

- Excellence in Research Award, NorthShore University HealthSystem Scientific Society
- Myra Rubenstein Weiss Luncheon Honoree, May 2017

Aaron L, **Franco OE, Hayward SW**. Review of Prostate Anatomy and Embryology and the Etiology of BPH. *Urologic Clinics N.A.* 2016;43, 279-288.

Ajmani GS, James TA, Kantor O, **Wang CH, Yao KA**. The Impact of Facility Volume on Rates of Pathologic Complete Response to Neoadjuvant Chemotherapy Used in Breast Cancer. *Ann Surg Oncol*. 2017 Jul 6. doi: 10.1245/s10434-017-5969-1. [Epub ahead of print] PMID: 28685357

Ajmani G, Nocon C, Wang CH, Bhayani MK. Assessment of adjuvant therapy in resected high-risk head and neck squamous cell carcinoma. *Oral Oncology* (in press).

Ajmani GS, Liederbach E, Kyrrilos A, Wang CH, Pinto JM, Bhayani MK. Adjuvant radiation and survival following surgical resection of sinonasal melanoma. *Am J Otolaryngol*. 2017 Aug 30. pii: S0196-0709(17)30512-4. doi: 10.1016/j.amjoto.2017.08.010. [Epub ahead of print] PMID: 28877859

Austin D, Strand DW, Love HL, Franco OE, Jang A, Grabowska MM, Miller NL, Hameed O, Clark PE, Fowke JH, Matusik RJ, Jin RJ, **Hayward SW**. NF- κ B and Androgen Receptor Variant Expression Correlate with Human BPH Progression. *Prostate*. 2016;76, 491-511.

Austin DC, Strand DW, Love HL, Franco OE, Grabowska MM, Miller NL, Hameed O, Clark PE, Matusik RJ, Jin RJ, **Hayward SW**. NF- κ B and Androgen Receptor Variant 7 induce expression of SRD5A isoforms and confer 5ARI resistance. *Prostate*. 2016;76, 1004-1018.

Baker MS. Zyromski NJ. Proceedings of the 50th Annual Pancreas Club Meeting. *J Gastrointest Surg*. 2017 Apr;21(4):749-754. doi: 10.1007/s11605-017-3374-5. Epub 2017 Feb 15. PMID: 28205122

Bellavance E, Peppercorn J, Kronsberg S, Greenup R, Keune J, Lynch J, Collyar D, Magder L, Tilburt J, Hlubocky F, **Yao K**. Surgeons' Perspectives of Contralateral Prophylactic Mastectomy. *Ann Surg Oncol*. 2016 Sep;23(9):2779-87. doi: 10.1245/s10434-016-5253-9. Epub 2016 May 11. PMID: 27169770

Berger ER, **Wang CE**, Kaufman CS, Williamson TJ, Ibarra JA, Politt K, Bleicher RJ, Connolly JL, Winchester DP, **Yao KA**. National Accreditation Program for Breast Centers Demonstrates Improved Compliance with Post-Mastectomy Radiation Therapy Quality Measure. *J Am Coll Surg*. 2017 Mar;224(3):236-244. doi: 10.1016/j.jamcollsurg.2016.11.006. Epub 2016 Dec 18. PMID: 27993697

Bianchi-Frias D, Basom R, Delrow JJ, Coleman IM, Dakhova O, Qu X, Fang M, Franco OE, Ericson NG, Bielas JH, **Hayward SW**, True L, Morrissey C, Brown L, Bhowmick NA, Rowley D, Iltmann M, Nelson PS. Cells Comprising the Prostate Cancer Microenvironment Lack Recurrent Clonal Somatic Genomic Aberrations. *Mol Cancer Res*. 2016;14, 374-384. PMID: 26753621

Bill JG, Darcy M, Fujii-Lau LL, Mullaly DK, Gaddam S, **Murad FM**, Early DS, Edmundowicz SA, Kushnir VM. A comparison between endoscopic ultrasound-guided rendezvous and percutaneous biliary drainage after failed ERCP for malignant distal biliary obstruction. *Endosc Int Open*. 2016 Sep; 4(9):E980-5. doi: 10.1055/s-0042-112584. Epub 2016 Aug 31. PubMed PMID: 27652305; PubMed Central PMCID: PMC5025302

Blasberg JD, **Krantz SB**. What and How to Read: Staying Current as a Young Cardiothoracic Surgeon. Young Surgeon's Note Series. *J Thorac Cardiovasc Surg*. Epub 2017 Mar 23.

Bokhari AA, Lee LR, Raboteau D, Turbov J, Rodriguez IV, Pike JW, Hamilton CA, Maxwell GL, **Rodriguez GC**, Syed V. Progesterone potentiates the growth inhibitory effects of calcitriol in endometrial cancer via suppression of CYP24A1. *Oncotarget*. 2016 Nov 22;7(47):77576-77590.

Boughey JC, Attai DJ, Chen SL, Cody HS, Dietz JR, Feldman SM, Greenberg CC, Kass RB, Landercasper J, Lemaire V, MacNeill F, Margenthaler JA, Song DH, Staley AC, Wilke LG, Willey SC, **Yao KA**. Contralateral Prophylactic Mastectomy Consensus Statement from the American Society of Breast Surgeons: Additional Considerations and a Framework for Shared Decision Making. *Ann Surg Oncol*. 2016 Oct;23(10):3106-11. doi: 10.1245/s10434-016-5408-8. Epub 2016 Jul 28. PMID: 27469118

Boughey JC, Attai DJ, Chen SL, Cody HS, Dietz JR, Feldman SM, Greenberg CC, Kass RB, Landercasper J, Lemaire V, MacNeill F, Song DH, Staley AC, Wilke LG, Willey SC, **Yao KA**, Margenthaler JA. Contralateral Prophylactic Mastectomy (CPM) Consensus Statement from the American Society of Breast Surgeons: Data on CPM Outcomes and Risks. *Ann Surg Oncol*. 2016 Oct;23(10):3100-5. doi: 10.1245/s10434-016-5443-5. Epub 2016 Jul 28. PMID: 27469117

Brown CS, Gwilliam N, **Kyrrilos A, Lutfi W, Lapin B, Kim KW, Krantz SB, Howington JA, Yao K, Ujiki MB**. Predictors of pathologic upstaging in early esophageal adenocarcinoma: Results from the national cancer database. *Am J Surg*. 2017 Jul 18. pii: S0002-9610(17)30609-8. doi: 10.1016/j.amjsurg.2017.07.015. [Epub ahead of print] PMID: 28802729

Brown CS, **Lapin B, Goldstein JL, Linn JG, Talamonti MS, Carbray J, Ujiki MB**. Predicting Progression in Barrett's Esophagus: Development and Validation of the Barrett's Esophagus Assessment of Risk Score (BEAR Score). *Ann Surg*. 2017 Feb 22. doi: 10.1097/SLA.0000000000002179. [Epub ahead of print] PMID: 28230661

Burnside ES, Drukker K, Li H, Bonaccio E, Zuley M, Ganott M, Net JM, Sutton EJ, Brandt KR, Whitman GJ, Conzen SD, Lan L, **Ji Y, Zhu Y**, Jaffe CC, Huang EP, Freymann JB, Kirby JS, Morris EA, Giger ML. Using computer-extracted image phenotypes from tumors on breast magnetic resonance imaging to predict breast cancer pathologic stage. *Cancer*. 2016. 122(5):748-757. PMID: 26619259

Campbell NP, Hensing TA, Bhayani MK, Shaikh AY, Brockstein BE. Targeting pathways mediating resistance to anti-EGFR therapy in squamous cell carcinoma of the head and neck. *Expert Rev Anticancer Ther*. 2016 Aug;16(8):847-58. doi: 10.1080/14737140.2016.1202116. Epub 2016 Jul 11 PMID: 27400139

Chandar M, Brockstein B, Zunamon A, Silverman I, Dlouhy S, **Ashlevitz K, Tabachow C, Lapin B, Ewigman B, Mazzone T, Obel J**. Perspectives of Health-Care Providers Toward Advance Care Planning in Patients with Advanced Cancer and Congestive Heart Failure. *Am J Hosp Palliat Care*. 2017 Jun;34(5):423-429. doi: 10.1177/1049909116636614. Epub 2016 Mar 2. PMID: 26941370

Chang EH, **Lutfi W**, Feinglass J, **Reiher AE, Moo-Young T, Bhayani MK**. National Trends in the Surgical Treatment of Non-Advanced Medullary Thyroid Cancer (MTC): An Evaluation of Adherence with the 2009 American Thyroid Association Guidelines. *World J Surg*. 2016 Dec;40(12):2930-2940. PMID: 27447700

Chen H, Liu X, **Brendler CB**, Ankerst DP, Leach RJ, Goodman PJ, Lucia MS, Tangen CM, Wang L, Hsu FC, Sun J, Kader AK, Isaacs WB, **Helfand BT**, Zheng SL, Thompson IM, Platz EA, **Xu J**. Adding genetic risk score to family history identifies twice as many high-risk men for prostate cancer: Results from the prostate cancer prevention trial. *Prostate*. 2016 Sep;76(12):1120-9. doi: 10.1002/pros.23200. Epub 2016 May 16. PMID: 27197965

Chen H, **Na R**, Packiam VT, **Conran CA, Jiang D**, Tao S, Yu H, Lin X, Meng W, **Zheng SL, Brendler CB, Helfand BT, Xu J**. Reclassification of prostate cancer risk using sequentially identified SNPs: Results from the REDUCE trial. *Prostate*. 2017 Aug;77(11):1179-1186. doi: 10.1002/pros.23369. Epub 2017 Jul 2. PMID: 28670847

Chen Y, Zhang Q, Wang Q, Li J, Sipeky C, Xia J, Gao P, Hu Y, Zhang H, Yang X, **Chen H**, Jiang Y, Yang Y, Yao Z, Chen Y, Gao Y, Tan A, Liao M, Schleutker J, **Xu J**, Sun Y, Wei GH, Mo Z. Genetic association analysis of the RTK/ERK pathway with aggressive prostate cancer highlights the potential role of CCND2 in disease progression. *Sci Rep*. 2017 Jul 3;7(1):4538. doi: 10.1038/s41598-017-04731-4. PMID: 28674394

Cohen A, **Kuchta K, Park S**. Neoadjuvant and adjuvant chemotherapy use in upper tract urothelial carcinoma. *Urol Oncol*. 2017 Jan 5. pii: S1078-1439(16)30406-9. doi: 10.1016/j.urolonc.2016.11.018. [Epub ahead of print] PMID: 28065502

Cohen A, **Lapin B, Wang CH, Helfand B**, Victorson D, **Novakovic K**. Variation in Testosterone Levels and Health-Related Quality of Life in Men Diagnosed with Prostate Cancer on Active Surveillance. *Urology*. 2016 Aug;94:180-7. doi: 10.1016/j.urology.2016.03.056. Epub 2016 May 11. PMID: 27179775

Conlon KC, de Rooij T, van Hilst J, Abu Haid M, Fleschman J, **Talamonti M**, Vanounou T, Garfinkle R, Velanovich V, Kooby D, Vollmer CM. Minimally Invasive Pancreatic Resection Organizing Committee. Minimally invasive pancreatic resections: cost and value perspectives. *HBP (Oxford)*. 2017 Mar;19(3):225-233. doi: 10.1016/j.hpb.2017.01.019. Epub 2017 Mar 6. PMID: 28268161

Conran CA, Brendler CB, Xu J. Personalized prostate cancer care: From screening to treatment. *Asian J Androl*. 2016 July-Aug; 18(4):505-8. doi: 10.4103/1008-682X.179529. [Epub ahead of print] PMID: 27184548

Conran CA, Na R, Chen H, Jiang D, Lin X, Zheng SL, Brendler CB, Xu J. Population-standardized genetic risk score: The SNP-based method of choice for inherited risk assessment of prostate cancer. *Asian J Androl*. 2016 July-Aug; 18(4): 520-4. doi: 10.4103/1008-682X.179527. [Epub ahead of print] PMID: 27080480

Daly B, Olopade OI, Hou N, **Yao K, Winchester DJ**, Huo D. Evaluation of the Quality of Adjuvant Endocrine Therapy Delivery for Breast Cancer Care in the United States. *JAMA Oncol*. 2017 Jul 1;3(7):928-935. doi: 10.1001/jamaoncol.2016.6380. PMID: 28152150

De Souza JA, Yap BJ, Wroblewski K, Blinder V, Araújo FS, Hlubocky FJ, Nicholas LH, O'Connor JM, **Brockstein B**, Ratain MJ, Daugherty CK, Cella D. Measuring financial toxicity as a clinically relevant patient-reported outcome: The validation of the COmprehensive Score for financial Toxicity (COST). *Cancer*. 2017 Feb 1;123(3):476-484. doi: 10.1002/cncr.30369. Epub 2016 Oct 7. PMID: 27716900

Dunnenberger HM, Biszewski M, Bell GC, Sereika A, May H, Johnson SG, Hulick PJ, Khandekar J. Implementation of a multidisciplinary pharmacogenomics clinic in a community health system. *Am J Health Syst Pharm*. 2016 Dec 1;73(23):1956-1966. PMID: 27864203

Eaton AA, **Pesce CE**, Murphy JO, Stempel MM, Patil SM, Brogi E, Hudis CA, El-Tamer M. Estimating the Oncotype DX score: Validation of an inexpensive estimation tool. *Breast Cancer Res Treat*. 2017 Feb;161(3):435-441. doi: 10.1007/s10549-016-4069-4. Epub 2016 Dec 7. PMID: 27928699

Ferral H, Gomez-Reyes E, **Fimmel CJ**. Post-transjugular intrahepatic portosystemic shunt follow-up and management in the VIATORR era. *Tech Vasc Interv Radiol*. 2016; 19: 82-88.

Franco OE, Tyson DR, Konvinse KC, Udayvar AR, Estrada L, Quaranta V, **Crawford SE, Hayward SW**. Altered TGF α / β signaling drives cooperation between breast cancer cell populations. *Faseb J*. 2016 Oct;30(10):3441-3452. Epub 2016 Jul 6. PMID: 27383183

Galanina N, **Jasielec J**, Peace D, Smith SM, Nabhan C. Ofatumumab monotherapy in relapsed/refractory diffuse large B-cell non-Hodgkin lymphoma. *Leuk Lymphoma*. 2017 Mar;58(3):752-753. doi: 10.1080/10428194.2016.1207764. Epub 2016 Jul 14. PMID: 27415580

Giuliano AE, Connolly JL, Edge SB, Mittendorf EA, Rugo HS, Solin LJ, Weaver DL, **Winchester DJ**, Hortobagyi GN. Breast Cancer—Major changes in the American Joint Committee on Cancer eighth edition cancer staging manual. *CA Cancer J Clin*. 2017 Jul 8;67(4):290-303. doi: 10.3322/caac.21393. Epub 2017 Mar 14. Erratum in: *CA Cancer J Clin*. 2017 Jul 8;67(4):345. PMID: 28294295

Gore RM, Pickhart PJ, Mortelet KJ, Fishman EK, Horowitz JM, **Fimmel CJ, Talamonti MS**, Berland LL, Pandharipande PV. Management of incidental liver lesions on CT: A white paper of the American College of Radiology Incidental Findings Committee (2017 Apr) (in press).

Grabowska MM, Kelly SM, Reese AL, Cates JM, Case TC, Zhang J, DeGraff DJ, Strand DW, Miller NL, Clark PE, **Hayward SW**, Gronostajski RM, Anderson PD, Matusik RJ. Nf1b regulates transcriptional networks that control the development of prostatic hyperplasia. *Endocrinology* 2016;157, 1094-1109.

Griffith JW, Messersmith EE, Gillespie BW, Wiseman JB, Flynn KE, Kirkali Z, Kusek JW, Bavendam T, Cella D, Kreder KJ, **Nero JJ**, Corona ME, Bradley CS, Kenton KS, **Helfand BT**, Merion RM, Weinfurt KP; LURN Study Group. Reasons for Seeking Clinical Care for Lower Urinary Tract Symptoms: A Mixed-Methods Study. *J Urol*. 2017 Jul 19. pii: S0022-5347(17)77177-7. doi: 10.1016/j.juro.2017.07.067. [Epub ahead of print] PMID: 28734864

Hamdi Y, Soucy P, Kuchenbaecker KB...**Rodriguez GC**...Simard J. Association of breast cancer risk in BRCA1 and BRCA2 mutation carriers with genetic variants showing differential allelic expression: Identification of a modifier of breast cancer risk at locus 11q22.3. *Breast Cancer Res Treat*. 2017 Jan;161(1):117-134. doi: 10.1007/s10549-016-4018-2. Epub 2016 Oct 28. PMID: 27796716

Hasan Y, Waller J, **Yao K**, Chmura SJ, Huo D. Utilization trend and regimens of hypofractionated whole breast radiation therapy in the United States. *Breast Cancer Res Treat*. 2017 Apr;162(2):317-328. doi: 10.1007/s10549-017-4120-0. Epub 2017 Jan 24. PMID: 28120272

Helfand BT. Editorial Comment. *J Urol*. 2017 Jan;197(1):208-209. doi: 10.1016/j.juro.2016.07.109. Epub 2016 Oct 15. PMID: 27750056

- Helfand BT, Conran CA, Xu J, Catalona WJ.** A multiparametric approach to improve upon existing prostate cancer screening and biopsy recommendations. *Curr Opin Urol.* 2017 Jun 12. doi: 10.1097/MOU.0000000000000418. [Epub ahead of print] PMID: 28614085
- Helfand BT, Kearns J, Conran C, Xu J.** Clinical validity and utility of genetic risk scores in prostate cancer. *Asian J Androl.* 2016 Jul-Aug; 18(4):509-14. doi: 10.4103/1008-682X.182981. [Epub ahead of print] Review. PMID: 27297129
- Henke A, Franco OE, Stewart GD, Riddick AC, Katz E, **Hayward SW**, Thomson AA. Reduced Contractility and Motility of Prostatic Cancer-Associated Fibroblasts after Inhibition of Heat Shock Protein 90. *Cancers (Basel).* 2016 Aug 24;8(9). pii: E77. doi: 10.3390/cancers8090077. PMID: 27563925
- Hibler EA, Kauderer J, Greene MH, **Rodriguez GC**, Alberts DS. Bone loss after oophorectomy among high-risk women: An NRG oncology/gynecologic oncology group study. *Menopause* 2016 Nov; 23 (11): 1128-1232.
- Hollestelle A, van der Baan FH, Berchuck A...**Rodriguez GC**...Goode EL. No clinical utility of KRAS variant rs61764370 for ovarian or breast cancer. *Gynecol Oncol.* 2016 May;141(2):386-401.
- Howard MA, Sisco M, Yao K, Winchester DJ, Barrera E, Warner J, Jaffe J, Hulick P, Kuchta K, Pusic AL, Sener SF.** Patient satisfaction with nipple-sparing mastectomy: A prospective study of patient reported outcomes using the BREAST-Q. *J Surg Oncol.* 2016 Sep;114(4):416-22. doi: 10.1002/jso.24364. Epub 2016 Jul 8. PMID: 27393183
- Huo D, Yasmin H, **Yao K.** Utilization Trend and Regimens of Hypofractionated Whole Breast Radiation Therapy in the United States. *Breast Cancer Res Treat*, 2017 (accepted for publication).
- Hurteau JA.** Omitting lymphadenectomy in patients with endometrial cancer. *Cancer.* 2017 Jan 1;123(2):197-199. doi: 10.1002/cncr.30346. Epub 2016 Nov 7. PMID: 28067947
- Kantor O, Bryan DS, **Talamonti MS**, Lutfi W, Sharpe S, **Winchester DJ, Prinz RA, Baker MS.** Laparoscopic Distal Pancreatectomy for Cancer Provides Oncologic Outcomes and Overall Survival Identical to Open Distal Pancreatectomy. *J Gastrointest Surg.* 2017 Aug 1. doi: 10.1007/s11605-017-3506-y. [Epub ahead of print] PMID: 28766272
- Kantor O, **Pesce C, Liederbach E, Wang CH, Winchester DJ, Yao K.** Are the ACOSOG Z0011 Trial Findings Being Applied to Breast Cancer Patients Undergoing Neoadjuvant Chemotherapy? *Breast J.* 2017 Mar 13. doi: 10.1111/tbj.12793. [Epub ahead of print] PMID: 28295828
- Kantor O, **Pesce C, Liederbach E, Wang CH, Winchester DJ, Yao K.** Surgery and Hormone Therapy Trends in Octogenarians with Invasive Breast Cancer. *Am J Surg.* 2016;211(3):541-5.
- Kantor O, **Pesce C**, Singh P, Miller M, Tseng J, **Wang CH, Winchester DJ, Yao K.** Post-mastectomy radiation therapy and overall survival after neoadjuvant chemotherapy. *J Surg Oncol.* 2017 Jan 13. doi: 10.1002/jso.24551. [Epub ahead of print] PMID: 28083910
- Kantor O, **Talamonti MS, Lutfi W, Wang CH, Winchester DJ, Marsh R, Prinz RA, Baker MS.** External radiation is associated with limited improvement in overall survival in resected margin-negative stage IIB pancreatic adenocarcinoma. *Surgery.* 2016 Dec;160(6):1466-1476. doi: 10.1016/j.surg.2016.07.033. Epub 2016 Sep 7. PMID: 27614417
- Kantor O, **Talamonti MS**, Pitt HA, Vollmer CM, Riall TS, Hall BL, **Wang CH, Baker MS.** Using the NSQIP Pancreatic Demonstration Project to Derive a Modified Fistula Risk Score for Preoperative Risk Stratification in Patients Undergoing Pancreaticoduodenectomy. *J Am Coll Surg.* 2017 May;224(5):816-825. doi: 10.1016/j.jamcollsurg.2017.01.054. Epub 2017 Apr 10. PMID: 28408176
- Kantor O, **Talamonti MS, Sharpe S, Lutfi W, Winchester DJ, Roggin KK, Brentem DJ, Prinz RA, Baker MS.** Laparoscopic pancreaticoduodenectomy for adenocarcinoma provides short-term oncologic outcomes and long-term overall survival rates similar to those for open pancreaticoduodenectomy. *Am J Surg.* 2017 Mar;213(3):512-515. doi: 10.1016/j.amsurg.2016.10.030. Epub 2016 Dec 28. PMID: 28049562
- Katz MH, Shi Q, Ahmad SA, Herman JM, **Marsh Rde W**, Collisson E, Schwartz L, Frankel W, Martin R, Conway W, Truty M, Kindler H, Lowy AM, Bekaii-Saab T, Phillip P, **Talamonti M**, Cardin D, LoConte N, Shen P, Hoffman JP, Venook AP. Preoperative Modified FOLFIRINOX Treatment Followed by Capecitabine-Based Chemoradiation for Borderline Resectable Pancreatic Cancer: Alliance for Clinical Trials in Oncology Trial A021101. *JAMA Surg.* 2016 Aug 17;151(8):e161137. doi: 10.1001/jamasurg.2016.1137. Epub 2016 Aug 17. PMID: 27275632
- Kaul KL.** Preparing pathology for precision medicine: Challenges and opportunities. *Virchows Arch.* 2017 May 16. doi: 10.1007/s00428-017-2141-z. [Epub ahead of print] PMID: 28512674
- Kaul KL, Sabatini LM,** Tsongalis GJ, Caliendo AM, Olsen RJ, Ashwood ER, Bale S, Benirschke R, Carlow D, Funke BH, Grody WW, Hayden RT, Hegde M, Lyon E, Murata K, Pessin M, Press RD, Thomson RB. The Case for Laboratory Developed Procedures: Quality and Positive Impact on Patient Care. *Acad Pathol.* 2017 Jul 16;4:2374289517708309. doi: 10.1177/2374289517708309. eCollection 2017 Jan-Dec. PMID: 28815200
- Khan MQ, Anand V, Hessefort N, Hassan A, Ahsan A, Sonnenberg A, **Fimmel CJ.** Utility of electronic medical record-based fibrosis scores in predicting advanced cirrhosis in patients with hepatitis C virus infection. *J Transl Int Med.* 2017; 5: 43-48.
- Khan MQ, Moreno AD, Joseph N, Kim G, **Fimmel CJ.** Relapse of HCV genotype 1B infection after sofosbuvir/ledipasvir treatment presenting as de novo cryoglobulinemic vasculitis. *ACG Case Rep.* 2017; Feb 1; 4:e21.
- Kim JS, Mills KA, Fehniger J, Liao C, **Hurteau JA, Kirschner CV**, Lee NK, **Rodriguez GC**, Yamada SD, **Moore ES**, Tenney ME. Venous Thromboembolism in Patients Receiving Extended Pharmacologic Prophylaxis After Robotic Surgery for Endometrial Cancer. *Int J Gynecol Cancer.* 2017 Jul 13. doi: 10.1097/IGC.0000000000001084. [Epub ahead of print]
- Krantz SB.** Getting to the meat of the matter: It's about more than sparing muscle. Invited Commentary. *J Thorac Cardiovasc Surg.* Epub 2017 May.
- Krantz SB, Lutfi W**, Kuchta K, Wang C, **Kim K, Howington JA.** Improved Lymph Node Staging in Early Stage Non-Small Cell Lung Cancer in the National Cancer Database. *Ann Thorac Surg.* (in press) Accepted 2017 Jun 26.
- Krantz SB, Merritt-Genore H.** How old are you, and how many of these have you done? Fielding questions of age and experience in your early career. Young Surgeon's Note Series. *J Thorac Cardiovasc Surg.* Epub 2017 Apr 24.
- Lancaster TS, **Krantz SB**, Patterson GA. Tracheal Resection with Carinal Reconstruction for Squamous Cell Carcinoma. *Ann Thorac Surg.* 2016 Jul;102(1):e77-9. doi: 10.1016/j.athoracsur.2016.02.070. PMID: 27343542
- Lang GD, Fritz C, Bhat T, Das KK, **Murad FM**, Early DS, Edmondowicz SA, Kushnir VM, Mullady DK. EUS-guided drainage of peripancreatic fluid collections with lumen-apposing metal stents and plastic double-pigtail stents: Comparison of efficacy and adverse event rates. *Gastrointest Endosc.* 2017 Jul 13. pii: S0016-5107(17)32077-1. doi: 10.1016/j.gie.2017.06.029. [Epub ahead of print] PMID: 28713067
- Lawrenson K, Kar S, McCue K...**Rodriguez G**...Webb P. Functional mechanisms underlying pleiotropic risk alleles at the 19p13.1 breast-ovarian cancer susceptibility locus. *Nat Commun.* 2016 Sep 7;7:12675.
- Lee J, Müller P, **Sengupta S, Gulukota K, Ji Y.** Bayesian inference for intratumour heterogeneity in mutations and copy number variation. *J R Stat Soc Ser C Appl Stat.* 2016 Aug;65(4):547-563. doi: 10.1111/rssc.12136. Epub 2016 Jan 12. PMID: 28461708
- Levine S, O'Mahony S, Baron A, Ansari A, Deamant C, Frader J, Leyva I, **Marschke M**, Preodor M. Training the Workforce: Description of a Longitudinal Interdisciplinary Education and Mentoring Program in Palliative Care. *J Pain Symptom Manage.* 2017 Apr;53(4):728-737. doi: 10.1016/j.jpainsymman.2016.11.009. Epub 2017 Jan 3. PMID: 28062351
- Li H, **Zhu Y**, Burnside ES, Drukker K, Hoadley KA, Fan C, Conzen SD, Whitman GJ, Sutton EJ, Net JM, Ganott M, Huang E, Morris EA, Perou CM, Ji Y, Giger ML. MR Imaging Radiomics Signatures for Predicting the Risk of Breast Cancer Recurrence as Given by Research Versions of MammaPrint, Oncotype DX, and PAM50 Gene Assays. *Radiology.* 2016 Nov;281(2):382-391. Epub 2016 May 5. PMID: 27144536
- Liederbach E, Kyrillos A, Wang CH.** Liu JC, Sturgis EM, **Bhayani MK.** The national landscape of human papillomavirus-associated oropharynx squamous cell carcinoma. *Int J Cancer.* 2017 Feb 1;140(3):504-512. doi: 10.1002/ijc.30442. Epub 2016 Nov 3. PMID: 27667729
- Lim KH, Langley E, Gao F, Luo J, Li L, Meyer G, Kim P, Singh S, Kushnir VM, Early DS, Mullady DK, Edmondowicz SA, Wani S, **Murad FM**, Cao D, Azar RR, Wang-Gillam A. A clinically feasible multiplex proteomic immunoassay as a novel functional diagnostic for pancreatic ductal adenocarcinoma. *Oncotarget.* 2017 Apr 11;8(15):24250-24261. doi: 10.18632/oncotarget.15653. PMID: 28445954
- Lin X, Chen Z, Gao P, Gao Z, Chen H, Qi J, Liu F, Ye D, Jiang H, Na R, Yu H, Shi R, Lu D, **Zheng SL**, Mo Z, Sun Y, Ding Q, Xu J. TEX15: A DNA repair gene associated with prostate cancer risk in Han Chinese. *Prostate.* 2017 Jul 21. doi: 10.1002/pros.23387. [Epub ahead of print] PMID: 28730685
- Liu JB, **Baker MS.** Surgical Management of Pancreatic Neuroendocrine Tumors. *Surg Clin North Am.* 2016 Dec;96(6):1447-1468. doi: 10.1016/j.suc.2016.07.002. Review. PMID: 27865287
- Liu W.** DNA alterations in the tumor genome and their associations with clinical outcome in prostate cancer. *Asian J Androl.* 2016 Jul-Aug; 18(4): 533-542. doi: 10.4103/1008-682X.177120 PMID: 26975494
- Liu W, Xu J.** Translation of genomics and epigenomics in prostate cancer: Progress and promising directions. *Asian J Androl.* 2016 Jul-Aug;18(4):503-4. doi: 10.4103/1008-682X.182820. PMID: 27270344
- Liu Z, **Yang Y**, Zhang X, Wang H, **Xu W**, Wang H, Xiao F, Bai Z, Yao H, Ma X, Jin L, Wu CT, **Seth P**, Zhang Z, Wang L. An oncolytic adenovirus encoding decorin and GM-CSF inhibits tumor growth in a colorectal tumor model by targeting pro-tumorigenic signals and via immune-activation. *Hum Gene Ther.* 2017 May 20. doi: 10.1089/hum.2017.033. [Epub ahead of print] PMID: 28530155
- Lutfi W, Talamonti MS,** Kantor O, **Wang CH, Liederbach E, Stocker SJ**, Brentem DJ, **Roggin KK, Winchester DJ, Marsh R, Prinz RA, Baker MS.** Perioperative chemotherapy is associated with a survival advantage in early stage adenocarcinoma of the pancreatic head. *Surgery.* 2016 Sep;160(3):714-24. doi: 10.1016/j.surg.2016.05.029. Epub 2016 Jul 12. PMID: 27422328
- Lutfi W, Talamonti MS,** Kantor O, **Wang CH, Stocker SJ**, Brentem DJ, Roggin KK, **Winchester DJ, Marsh R, Prinz RA, Baker MS.** Neoadjuvant external beam radiation is associated with no benefit in overall survival for early stage pancreatic cancer. *Am J Surg.* 2017 Mar;213(3):521-525. doi: 10.1016/j.amsurg.2016.11.039. Epub 2016 Nov 30. PMID: 28089341
- Ma XP, Yu G, Chen X, Xiao Q, Shi Z, Zhang LY, Chen H, Zhang P, Ding DL, Huang HX, Saiyin H, Chen TY, Lu PX, Wang NJ, Yu H, **Conran C**, Sun J, **Zheng SL, Xu J, Yu L, Jiangu DK.** MiR-608 rs4919510 is associated with prognosis of hepatocellular carcinoma. *Tumour Biol.* 2016 Jul;37(7):9931-42. doi: 10.1007/s13277-016-4897-1. Epub 2016 Jan 27. PMID: 26815502
- Mai PL, Piedmonte M, Han PK, Moser RP, Walker JL, **Rodriguez G**, Boggess J, Rutherford TJ, Zivanovic O, Cohn DE, Thigpen JT, Wenham RM, Friedlander ML, Hamilton CA, Bakkum-Gamez J, Olawaye AB, Hensley ML, Greene MH, Huang HQ, Wenzel L. Factors associated with deciding between risk-reducing salpingo-oophorectomy and ovarian cancer screening among high-risk women enrolled in GOG-0199: An NRG Oncology/Gynecologic Oncology Group study. *Gynecol Oncol.* 2017 Apr;145(1):122-129.
- Manching H, **Sengupta S**, Hopper KR, Polson SW, Ji Y, Wisser RJ. Phased Genotyping-by-Sequencing Enhances Analysis of Genetic Diversity and Reveals Divergent Copy Number Variants in Maize. *G3 (Bethesda).* 2017 Jul 5;7(7):2161-2170. doi: 10.1534/g3.117.042036. PMID: 28526729
- Mato A, Nabhan C, Kay NE, Weiss MA, Lamanna N, Kipps TJ, **Grinblatt DL**, Flinn IW, Kozloff MF, Flowers CR, Farber CM, Kiselev P, Swern AS, Sullivan K, Flick ED, Sharmar JP. Real-world clinical experience in the Connect@ chronic lymphocytic leukaemia registry: A prospective cohort study of 1494 patients across 199 US centres. *Br J Haematol.* 2016 Dec;175(5):892-903. doi: 10.1111/bjh.14332. Epub 2016 Nov 8. PMID: 27861736
- McKillop RP, Hahn OM, Bartkowiak B, **Rosenberg CA**, Olufunmilayo OI, Aurora VM, Golden DW. Implementation of a novel medical school multidisciplinary and interprofessional oncology curriculum: A mixed methods study accepted for publication. *J Cancer Educ.* 2017 July.
- Miller ME, **Kyrillos A, Yao K**, Kantor O, Tseng J, **Winchester DJ**, Shulman LN. Utilization of Axillary Surgery for Patients with Ductal Carcinoma In Situ: A Report From the National Cancer Data Base. *Ann Surg Oncol.* 2016 Oct;23(10):3337-46. doi: 10.1245/s10434-016-5322-0. Epub 2016 Jun 22. PMID: 27334212

(continued)

Research Publications, continued

Mitzman B, Lutfi W, Wang C, **Krantz SB**, Howington JA, Kim K. Minimally Invasive Esophagectomy Provides Equivalent Survival to Open Esophagectomy: An Analysis of the National Cancer Database. *Semin Thorac Cardiovasc Surg*. Epub 2017 Apr 5.

Na R, Helfand BT, Chen H, **Conran CA**, **Crawford SE**, **Hayward SW**, Tammela TLJ, Hoffman-Bolton J, **Zheng SL**, Walsh PC, Schleutner J, Platz EA, Isaacs WB, **Xu J**. A genetic variant near GATA3 implicated in inherited susceptibility and etiology of benign prostatic hyperplasia (BPH) and lower urinary tract symptoms (LUTS). *Prostate*. 2017 Aug;77(11):1213-1220. doi: 10.1002/pros.23380. Epub 2017 Jun 28. PMID: 28656603

Na R, Wu Y, Ding Q, **Xu J**. Clinically available RNA profiling tests of prostate tumors: Utility and comparison. *Asian J Androl*. July-Aug 2016; 18(4): 575-579. doi: 10.4103/1008-682X.175096. PMID: 26975490

Na R, Ye D, Qi J, Liu F, Helfand BT, Brendler CB, Conran CA, Packiam V, Gong J, Wu Y, **Zheng SL**, Mo Z, Ding Q, Sun Y, **Xu J**. Prostate health index significantly reduced unnecessary prostate biopsies in patients with PSA 2-10 ng/mL and PSA >10 ng/mL: Results from a Multicenter Study in China. *Prostate*. 2017 Aug;77(11):1221-1229. doi: 10.1002/pros.23382. Epub 2017 Jun 30. PMID: 28664580

Na R, Ye D, Qi J, Liu F, Lin X, **Helfand BT, Brendler CB, Conran C**, Gong J, Wu Y, Gao X, Chen Y, **Zheng SL**, Mo Z, Ding Q, Sun Y, **Xu J**. Race-specific genetic risk score is more accurate than non-race-specific genetic risk score for predicting prostate cancer and high-grade diseases. *Asian J Androl*. 2016 July-Aug; 18(4): 529-9. doi: 10.4103/1008-682X.179857. [Epub ahead of print] PMID: 27140652

Na R, **Zheng SL**, Han M, Yu H, Jiang D, **Shah S**, Ewing CM, **Zhang L**, **Novakovic K**, **Petkewicz J**, **Gulukota K**, **Helseth DL Jr**, **Quinn M**, Humphries E, Wiley KE, Isaacs SD, Wu Y, Liu X, Zhang N, **Wang CH**, **Khandekar J**, **Hulick PJ**, **Shevrin DH**, Cooney KA, Shen Z, Partin AW, Carter HB, Carducci MA, Eisenberger MA, Denmeade SR, **McGuire M**, Walsh PC, **Helfand BT, Brendler CB**, Ding Q, Xu J, Isaacs WB. Germline Mutations in ATM and BRCA1/2 Distinguish Risk for Lethal and Indolent Prostate Cancer and Are Associated with Early Age at Death. *Eur Urol*. 2017 May;71(5):740-747. doi: 10.1016/j.eururo.2016.11.033. Epub 2016 Dec 15. PMID: 27989354

Nabhan C, Mato A, Flowers CR, **Grinblatt DL**, Lamanna N, Weiss MA, Davids MS, Swern AS, Bhushan S, Sullivan K, Flick ED, Kiselev P, Sharman JP. Characterizing and prognosticating chronic lymphocytic leukemia in the elderly: Prospective evaluation on 455 patients treated in the United States. *BMC Cancer*. 2017 Mar 16;17(1):198. doi: 10.1186/s12885-017-3176-x. PMID: 28302090

Nanda R, Stringer-Reasor EM, **Saha P**, Kocherginsky M, Gibson J, Libao B, Hoffman PC, Obeid E, **Merkel DE**, Khrantsova G, Skor M, Krausz T, Cohen RN, Ratain MJ, Fleming GF, Conzen SD. A randomized phase I trial of nanoparticle albumin-bound paclitaxel with or without mifepristone for advanced breast cancer. *SpringerPlus*. 2016;5(1):947.

Nash C, Boufaied N, Mills IG, **Franco OE, Hayward SW**, Thomson AA. Genome-wide analysis of AR binding and comparison with transcript expression in primary human fetal prostate fibroblasts and cancer associated fibroblasts. *Mol Cell Endocrinol*. 2017 May 5. pii: S0303-7207(17)30254-X. doi: 10.1016/j.mce.2017.05.006. [Epub ahead of print] Review. PMID: 28483704

Oskvarek J, Braunstein S, Farnan J, Ferguson MK, Hahn O, Henderson T, Hong S, Levine S, **Rosenberg CA**, Golden DW. Medical Student Knowledge of Oncology and Related Disciplines: A Targeted Needs Assessment. *J Cancer Educ*. 2016 Sept 3 1(3): 529-32 DOI: 10.1007/s13187-015-0876-2

Penson DF, Lin DW, Karsh L, Quinn DI, **Shevrin DH**, Shore N, Symanowski JT, Brown B, Forer D, Wong EK, Flanders SC. Treatment registry for outcomes in patients with castration-resistant prostate cancer (TRUMPET): A methodology for real-world evidence and research. *Future Oncol*. 2016 Dec;12(23):2689-2699. Epub 2016 Aug 16. PMID: 27528114

Phelan CM, Kuchenbaecker KB, Tyrer JP, Kar SP, Lawrenson K, Winham SJ, Dennis J... **Hulick PJ**, et al. Identification of 12 new susceptibility loci for different histotypes of epithelial ovarian cancer. *Nat Genet*. 2017 May;49(5):680-691. doi: 10.1038/ng.3826. Epub 2017 Mar 27. PMID: 28346442

Phelan CM, Kuchenbaecker KB, Tyrer JP... **Rodriguez GC**...Pharoah PDP. Identification of 12 new susceptibility loci for different histotypes of epithelial ovarian cancer. *Nat Genet*. 2017 May;49(5):680-691 *Prostate*. 2017 Jul 2. doi: 10.1002/pros.23369. [Epub ahead of print] PMID: 28670847

Rodriguez GC, Turbov J, Turbov J, Rosales R, Yoo J, Hunn J, Zappia KJ, Lund K, Barry CP, Rodriguez IV, Pike JW, Conrads TP, Darcy KM, Maxwell GL, Hamilton CA, Syed V, Thaeete LG. Progestins inhibit calcitriol-induced CYP24A1 and synergistically inhibit ovarian cancer cell viability: An opportunity for chemoprevention. *Gynecol Oncol*. 2016 Oct; 143 (1):159-67.

Rosenberg CA, Flanagan C, Brockstein B, Obel JC, Dragon LH, Merkel DE, Wade EL, Law TM, Khandekar JD, Hensing TA. Promotion of self-management for post treatment cancer survivors: Evaluation of a risk-adapted visit. *J Cancer Surviv*. 2016 Feb;10(1):206-19. doi: 10.1007/s11764-015-0467-6. Epub 2015 Jul 16. PMID: 26178325

Rudichuk L, Vogel KJ, **Wang CH, Helfand BT, Selkirk CG**. Urologists' Current Practices in Screening and Treating Men with a Family History of Prostate Cancer. *Urology*. 2017 Jan;99:180-185. doi: 10.1016/j.urology.2016.07.032. Epub 2016 Sep 16. PMID: 27645528

Saha P, Amico AL, Olopade OI. Long-Term Disease-Free Survival in a Young Patient with Hormone Receptor-Positive Breast Cancer and Oligometastatic Disease in the Brain. *Clinical Breast Cancer*. 2016; 16(3): 61-63.

Saha P, Nanda R. Concepts and targets in triple-negative breast cancer: Recent results and clinical implications. *Ther Adv Med Oncol*. 2016; 8(5): 351-359.

Saha P, Nanda R. Immune Checkpoint Inhibition in Triple-Negative Breast Cancer. *Onc & Hematol Rev*, 2016; 12(1): 31-32.

Saha P, Regan MM, Pagani O, Francis PA, Walley BA, Ribbi K, Bernhardt J, Luo W, Gómez HL, Burstein HJ, Parmar V, Torres R, Stewart J, Bellel M, Perelli A, Dane F, Moreira A, Vorobiof D, Nottage M, Price KN, Coates AS, Goldhirsch A, Gelber RD, Colleoni M, Fleming GF. Treatment Efficacy, Adherence, and Quality of Life Among Women Younger Than 35 Years in the International Breast Cancer Study Group TEXT and SOFT Adjuvant Endocrine Therapy Trials. *J Clin Oncol*. 2017 Jun 27;JCO2016720946. doi: 10.1200/JCO.2016.72.0946. [Epub ahead of print] PMID: 28654365

Salazar Adum JP, Fuentes HE, **Lind BB, Tafur AJ, Caprini JA**. Predictors of active cancer thromboembolic outcomes: Mortality associated with calf deep vein thrombosis. *Int Angiol*. 2017 May 24. doi: 10.23736/S0392-9590.17.03846-9. [Epub ahead of print] PMID: 28541021

Sameni M, Cavallo-Medved D, **Franco OE**, Chalasani A, Ji K, Aggarwal N, Anbalagan A, Chen X, Mattingly RR, **Hayward SW**, Sloane BF. Pathomimetic avatars reveal divergent roles of microenvironment in invasive transition of ductal carcinoma in situ. *Breast Cancer Res*. 2017 May 15;19(1):56. doi: 10.1186/s13058-017-0847-0. PMID: 28506312

Sasaki T, Franco OE, Hayward SW. Interaction of prostate carcinoma-associated fibroblasts with human epithelial cell lines in vivo. *Differentiation*. 2017 Jul 20;96:40-48. doi: 10.1016/j.diff.2017.07.002. [Epub ahead of print] Review. PMID: 28779656

Shah S, Kyrrilos A, Kuchta K, Habib H, Tobias M, Raghavan V, Shaikh A, Bloomer W, Pesce C, Yao K. A Single Institution Retrospective Comparison Study of Locoregional Recurrence After Accelerated Partial Breast Irradiation Using External Beam Fractionation Compared with Whole Breast Irradiation with 8 Years of Follow-Up. *Ann Surg Oncol*. 2017 Aug 1. doi: 10.1245/s10434-017-5953-9. [Epub ahead of print] PMID: 28766205

Shah S, Wood K, Brisson R, Karrison T, **Hensing T**, Luke JJ, Patel JD. PS01.63: Clinical Characteristics of Acquired Resistance with Anti-PD-1/PD-L1 in Non-Small Cell Lung Cancer (NSCLC): Topic: Medical Oncology. *J Thorac Oncol*. 2016 Nov;11(11S):S310. doi: 10.1016/j.jtho.2016.09.098. Epub 2016 Oct 28. PMID: 27969530

Shephard SN, Lengmang SJ, Anzaku SA, Mamven OV, **Kirschner CV**. Effect of HIV infection on outcomes after surgical repair of genital fistula. *Int J Gynaecol Obstet*. 2017 Sep;138(3):293-298. doi: 10.1002/ijgo.12233. Epub 2017 Jun 28. PMID: 28602050

Shephard SN, Lengmang SJ, **Kirschner CV**. Bladder stones in vesicovaginal fistula: Is concurrent repair an option? Experience with 87 patients. *Int Urogynecol J*. 2017 Apr;28(4):569-574. doi: 10.1007/s00192-016-3142-1. Epub 2016 Sep 17. PMID: 27640063

Shevrin DH. Genomic predictors for treatment of late stage prostate cancer. *Asian J Androl*. 2016 Jul-Aug;18(4):586-91. doi: 10.4103/1008-682X.177121. Review. PMID: 27030083

Shi Y, Du M, Fang Y, Tong N, Zhai X, Sheng X, Li Z, Xue Y, Li J, Chu H, Chen J, Song Z, Shen J, Ji J, Li X, Hu Z, Shen H, **Xu J**, Wang M, Zhang Z. Identification of a novel susceptibility locus at 16q23.1 associated with childhood acute lymphoblastic leukemia in Han Chinese. *Hum Mol Genet*. 2016 Jul 1;25(13):2873-2880. Epub 2016 Apr 19. PMID: 27094129

Sisco M, Kyrrilos AM, Lapin BR, Wang CE, Yao KA. Trends and variation in the use of nipple-sparing mastectomy for breast cancer in the United States. *Breast Cancer Res Treat*. 2016 Nov;160(1):111-120. Epub 2016 Sep 12. PMID: 27620883

Skates SJ, Greene MH, Buys SS, Mai PL, Brown P, Piedmonte M, **Rodriguez G**, Schorge JO, Sherman M, Daly MB, Rutherford T, Brewster WR, O'Malley DM, Partridge E, Boggess J, Drescher CW, Isaacs C, Berchuck A, Domchek S, Davidson SA, Edwards R, Elg SA, Wakeley K, Phillips KA, Armstrong D, Horowitz I, Fabian CJ, Walker J, Sluss PM, Welch W, Minasian L, Horick NK, Kasten CH, Nayfield S, Alberts D, Finkelstein DM, Lu KH. Early Detection of Ovarian Cancer Using the Risk of Ovarian Cancer Algorithm with Frequent CA125 Testing in Women at Increased Familial Risk—Combined Results from Two Screening Trials. *Clin Cancer Res*. 2017 Jul 15;23(14):3628-3637.

Steensma DP, Abedi M, Bejar R, Cogle CR, Foucar K, Garcia-Manero G, George TI, **Grinblatt D**, Komroki R, Ma X, Maciejewski J, Polley DA, Savona MR, Scott B, Sekeres MA, Thompson MA, Swern AS, Nifenecker M, Sugrue MM, Erba H. Connect MDS/AML: Design of the myelodysplastic syndromes and acute myeloid leukemia disease registry, a prospective observational cohort study. *BMC Cancer*. 2016 Aug 19;16:652. doi: 10.1186/s12885-016-2710-6. PMID: 27538433

Strand DW, Aaron L, Henry G, Franco OE, **Hayward SW**. Isolation and analysis of discreet human prostate cellular populations. *Differentiation*. 2016;91, 139-151.

Suman P, Calcaterra N, Wang CH, Moo-Young TA, Winchester DJ, Prinz RA. Preoperative adrenal biopsy does not affect overall survival in adrenocortical carcinoma. *Am J Surg*. 2017 Feb 1. pii: S0002-9610(16)30500-1. doi: 10.1016/j.amjsurg.2017.01.039. [Epub ahead of print] PMID: 28233539

Suman P, Wang CH, Abadin SS, Block R, Raghavan V, Moo-Young TA, Prinz RA, Winchester DJ. Timing of Radioactive Iodine Therapy Does Not Impact Overall Survival in High-Risk Papillary Thyroid Carcinoma. *Endocr Pract*. 2016 Jul;22(7):822-31. doi: 10.4158/EP151088.OR. Epub 2016 Mar 28. PMID: 27018620

Suman P, Wang CH, Moo-Young TA, Prinz RA, Winchester DJ. Timing of Adjuvant Radioactive Iodine Therapy Does Not Affect Overall Survival in Low- and Intermediate-Risk Papillary Thyroid Carcinoma. *Am Surg*. 2016 Sep;82(9):807-14. PMID: 27670568

Tafur AJ, Caprini JA, Arcelus JI. The limited utility of currently available venous thromboembolism risk assessment tools in gynecological oncology patients. *Am J Obstet Gynecol*. 2017 Mar;216(3):326. doi: 10.1016/j.ajog.2016.10.014. Epub 2016 Oct 20. No abstract available. PMID: 27773716

Tafur AJ, Caprini JA, Cote L, Trujillo-Santos J, Del Toro J, Garcia-Bragado F, Tolosa C, Barillari G, Visona A, Monreal M; RIETE Investigators. Predictors of active cancer thromboembolic outcomes. RIETE experience of the Khorana score in cancer-associated thrombosis. *Thromb Haemost*. 2017 Mar 9. doi: 10.1160/TH16-11-0840. [Epub ahead of print] PMID: 28276571

Tallman JE, Pearce SM, **Kuchta K, Helfand BT**, Eggner SE. Impact of Perioperative Infection on Cancer-Specific Survival After Nephrectomy for Renal Cell Carcinoma. *J Urol*. 2017 May 25. pii: S0022-5347(17)74438-2. doi: 10.1016/j.juro.2017.05.070. [Epub ahead of print] PMID: 28551443

Tam CA, **Helfand BT**, Erickson BA. The Relationship Between Diabetes, Diabetes Severity, Diabetes Biomarkers, and the Presence of Lower Urinary Tract Symptoms: Findings from the National Health and Nutrition Examination Survey. *Urology*. 2017 Jul;105:141-148. doi: 10.1016/j.urology.2017.03.040. Epub 2017 Apr 6. PMID: 28392180

Teerlink CC, Leongamornlert D, Dadaev T, Thomas A, Farnham J, Stephenson RA, Riska S, McDonnell SK, Schaid DJ, Catalona WJ, **Zheng SL**, Cooney KA, Ray AM, Zuhke KA, Lange EM, Giles GG, Southey MC, Fitzgerald LM, Rinckleb A, Luedeke M, Maier C, Stanford JL, Ostrander EA, Kaikkonen EM, Sipeky C, Tammela T, Schleutner J, Wiley KE, Isaacs SD, Walsh PC, Isaacs WB, **Xu J**, Cancel-Tassin G, Cussenot O, Mandal D, Laurie C, PRACTICAL Consortium; International Consortium for Prostate Cancer Genetics, Thibodeau SN, Eeles RA, Kote-Jarai Z, Cannon-Albright L. Genome-wide association of familial prostate cancer cases identifies evidence for a rare segregating haplotype at 8q24.21. *Hum Genet*. 2016 Aug;135(8):923-38. doi: 10.1007/s00439-016-1690-6. Epub 2016 Jun 4. PMID: 27262462

Teven CM, Schmid DB, Sisco M, Ward J, Howard MA. Systemic Therapy for Early-Stage Breast Cancer: What the Plastic Surgeon Should Know. *Eplasty*. 2017 Feb 21;17:e7. eCollection 2017. PMID: 28293332

Tseng J, Kyrillos A, Liederbach E, Spear GG, Ecanow J, Wang CH, Czechura T, Kantor O, Miller M, Winchester DJ, Pesce CE, Rabbitt S, Yao K. Clinical accuracy of preoperative breast MRI for breast cancer. *J Surg Oncol*. 2017 Jun;115(8):924-931. doi: 10.1002/jso.24616. Epub 2017 Apr 13. PMID: 28409837

Victorson DE, Schuette S, Schalet BD, Kundu SD, Helfand BT, Novakovic K, Sufrin N, McGuire M, Brendler C. Factors Affecting Quality of Life at Different Intervals After Treatment of Localized Prostate Cancer: Unique Influence of Treatment Decision Making Satisfaction, Personality and Sexual Functioning. *J Urol*. 2016 Nov;196(5):1422-1428. doi: 10.1016/j.juro.2016.05.099. Epub 2016 May 31. PMID: 27259651

Vigorito E, Kuchenbaecker KB, Beesley J, Rodriguez GC, Antoniou AC. Fine-Scale Mapping at 9p22.2 Identifies Candidate Causal Variants That Modify Ovarian Cancer Risk in BRCA1 and BRCA2 Mutation Carriers. *PLoS One*. 2016 Jul 27;11(7)

Walker LC, Marquart L, Pearson JF, Hulick PJ, Spurdle AB. Evaluation of copy-number variants as modifiers of breast and ovarian cancer risk for BRCA1 pathogenic variant carriers. *Eur J Hum Genet*. 2017 Apr;25(4):432-438. doi: 10.1038/ejhg.2016.203. Epub 2017 Feb 1. PMID: 28145423

Winchester DA, Till C, Goodman PJ, Tangen CM, Santella RM, Johnson-Pais TL, Leach RJ, Xu J, Zheng SL, Thompson IM, Lucia MS, Lippman SM, Parnes HL, Isaacs WB, De Marzo AM, Drake CG, Platz EA. Association between variants in genes involved in the immune response and prostate cancer risk in men randomized to the finasteride arm in the Prostate Cancer Prevention Trial. *Prostate*. 2017 Mar 20. doi: 10.1002/pros.23346. [Epub ahead of print] PMID: 28317149

Wood K, Hensing T, Salgia R. KRAS in Non-Small-Cell Lung Cancer—Reply. *JAMA Oncol*. 2016 Oct 1;2(10):1373-1374. doi: 10.1001/jamaoncol.2016.2347. PMID: 27442777

Xia BT, Ahmad SA, Al Humaidi AH, Hanseman DJ, Ethun CG, Maithel SK, Kooby DA, Salem A, Cho CS, Weber SM, Stocker SJ, Talamonti MS, Bentrem DJ, Abbott DE. Time to Initiation of Adjuvant Chemotherapy in Pancreas Cancer: A Multi-Institutional Experience. *Ann Surg Oncol*. 2017 Sep;24(9):2770-2776. doi: 10.1245/s10434-017-5918-z. Epub 2017 Jun 9. PMID: 28600732

Yang S, Jiang M, Grabowska MM, Connelly Z, Zhang J, Hayward SW, Cates JM, Han G, Yu X. Androgen receptor differentially regulates the proliferation of prostatic epithelial cells in vitro and in vivo. *Oncotarget*. 2016;7, 70404-70419.

Yao K, Belkora J, Bedrosian I, Rosenberg S, Sisco M, Barrera E, Kyrillos A, Tilburt J, Wang C, Rabbitt S, Pesce C, Simovic S, Winchester DJ, Sepucha K. Erratum to: Impact of an In-Visit Decision Aid on Patient Knowledge about Contralateral Prophylactic Mastectomy: A Pilot Study. *Ann Surg Oncol*. 2017 Mar 27. doi: 10.1245/s10434-017-5850-2. [Epub ahead of print] PMID: 28349337

Yao K, Belkora J, Bedrosian I, Rosenberg S, Sisco M, Barrera E, Kyrillos A, Tilburt J, Wang C, Rabbitt S, Pesce C, Simovic S, Winchester DJ, Sepucha K. Impact of an In-Visit Decision Aid on Patient Knowledge about Contralateral Prophylactic Mastectomy: A Pilot Study. *Ann Surg Oncol*. 2017 Jan;24(1):91-99. doi: 10.1245/s10434-016-5556-x. Epub 2016 Sep 21. Erratum in: *Ann Surg Oncol*. 2017 Mar 27. PMID: 27654108

Yao K, Sisco M, Bedrosian I. Contralateral prophylactic mastectomy: Current perspectives. *Int J Womens Health*. 2016 Jun 22;8:213-23. doi: 10.2147/IJWH.S82816. eCollection 2016. Review. PMID: 27382334

Yesensky J, Kyrillos A, Kuchta K, Wang CH, Yao K, Bhayani MK. Second primary head and neck malignancy after index breast cancer. *Otolaryngology—Head and Neck Surgery* (in press).

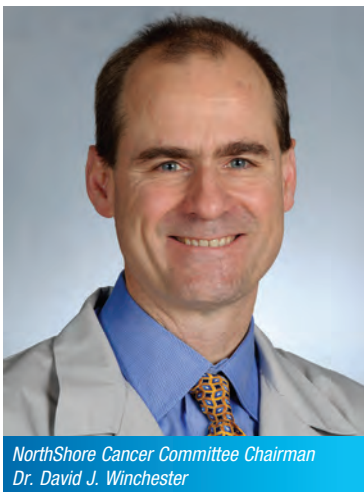
Yu G, Xiao Q, Ma XP, Chen X, Shi Z, Zhang LY, Chen H, Zhang P, Ding DL, Huang HX, Saiyin H, Chen TY, Lu PX, Wang NJ, Yu H, Sun J, Conran C, Zheng SL, Xu J, Yu L, Jiang DK. miR-492G>C polymorphism (rs2289030) is associated with overall survival of hepatocellular carcinoma patients. *Tumour Biol*. 2016 Jul;37(7):8961-72. doi: 10.1007/s13277-015-4752-9. PMID: 26753964

Zhang S, Xiao Q, Shi Z, Yu G, Ma XP, Chen H, Zhang P, Shen S, Sai-Yin HG, Chen TY, Lu PX, Wang NJ, Ren W, Huang P, Xie J, Conran C, Zheng SL, Yu L, Xu J, Jiang DK. Caspase polymorphisms and prognosis of hepatocellular carcinoma. *PLoS One*. 2017 Apr 28;12(4):e0176802. doi: 10.1371/journal.pone.0176802. eCollection 2017. PMID: 28453560

Zhang X, Wang H, Wang H, Xiao F, Seth P, Xu W, Jia Q, Wu C, Yang Y, Wang L. SUMO-Specific Cysteine Protease 1 Promotes Epithelial Mesenchymal Transition of Prostate Cancer Cells via Regulating SMAD4 deSUMOylation. *Int J Mol Sci*. 2017 Apr 12;18(4). pii: E808. doi: 10.3390/ijms18040808. PMID: 28417919

Zureikat AH, Postlewait LM, Liu Y, Gillespie TW, Weber SM, Abbott DE, Ahmad SA, Maithel SK, Hogg ME, Zenati M, Cho CS, Salem A, Xia B, Steve J, Nguyen TK, Keshava HB, Chalikhonda S, Walsh RM, Talamonti MS, Stocker SJ, Bentrem DJ, Lumpkin S, Kim HJ, Zeh HJ 3rd, Kooby DA. A Multi-Institutional Comparison of Perioperative Outcomes of Robotic and Open Pancreaticoduodenectomy. *Ann Surg*. 2016 Oct;264(4):640-9. doi: 10.1097/SLA.0000000000001869. PMID: 27433907

Outcomes Study: Rates of Re-Excision

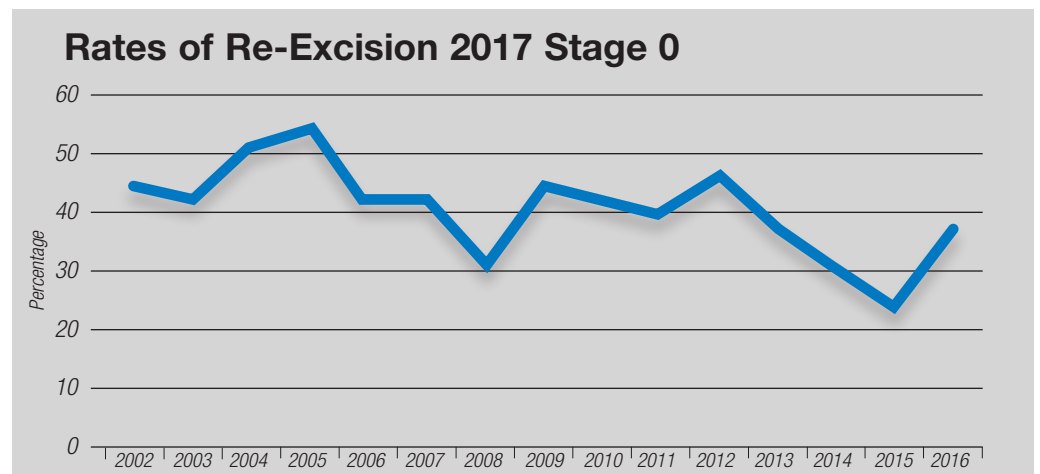


NorthShore Cancer Committee Chairman
Dr. David J. Winchester

There has been known controversy with regard to optimal margin width for patients treated with breast conservation surgery. Rates of re-excision have varied widely due to lack of data and consensus. This has been addressed with two recent consensus statements published in the last three years. The Society of Surgical Oncology/American Society for Therapeutic Radiology and Oncology Guidelines for invasive cancer were published in 2014. Similar guidelines for ductal carcinoma in situ were published in 2016. Although there have not been any recommended rates for re-excision, publication of these consensus guidelines was expected to lead to a decline in re-excision rates.

The impact of these guidelines on NorthShore patients with Stage I and II breast cancer was evaluated in 2016 to comply with Commission on Cancer Standard 4.6: Monitoring Compliance with Evidence-Based Guidelines. NorthShore Cancer Registry data for patients with Stage I and II breast cancers treated with breast conservation therapy were reviewed from 2011–2016. 1,823 of 2,851 (64 percent) of patients were treated with breast conservation, 370 (20.3 percent) underwent re-excision. During the last year of analysis in 2016, the re-excision rate fell to 12 percent. This decline in re-excision for early stage invasive breast cancer, demonstrates NorthShore’s adoption of the 2014 consensus guidelines.

A similar review was also undertaken in 2017 to comply with Commission on Cancer Standard 4.6: Monitoring Compliance with Evidence-Based Guidelines for patients with Stage 0 breast cancer. During the same time frame, re-excision rate trended lower. Further study will be necessary to measure the impact of these consensus guidelines published during the final year of analysis. ■



Cancer Data Summary 2016

Incidence of Cancer 2016

In 2016, 4,112 new cancer cases were accessioned into the NorthShore University HealthSystem Cancer Registry. Of those, 3,893 cases (94.6 percent) were analytic. By definition, analytic cases are those patients who are newly diagnosed with malignant neoplasm and/or have received all or part of their first course of treatment at one of our hospitals. The remaining 219 cases (5.3 percent) were non-analytic. Non-analytic cases are patients initially diagnosed and treated at another facility who now are receiving treatment for progression or recurrence of their disease at NorthShore.

Details by site are provided in Table 1.

Class of Case 2016

Class of Case divides cases into two groups, analytic cases (Class 00-22) and non-analytic cases (Class 30-49).

Class 00-14, which account for 3,353 cases, were those malignancies diagnosed at one of our four hospitals. Once diagnosed with cancer, 3,107 (93 percent) of our patients remained at NorthShore for their treatment. Class 20-22, totaling 540 cases, were diagnosed elsewhere and referred here for treatment. Class 30-40, a total of 219 cases, were diagnosed and treated elsewhere and referred here for treatment of a recurrence or progression of disease.

Overall Top 5 NorthShore Sites 2016

Breast cancer continues to be our top site representing 20 percent of the total cases seen at NorthShore. The next most frequent cancers seen were prostate (11 percent), melanoma (8 percent), lung (7 percent), lymphoma and colon (both 5 percent). These top six sites represent 56 percent of all newly diagnosed cases.

Table 1: Incidence of Cancer—2016 Data Summary

Primary Site	Analytic	Non-Analytic	Total	Percentage
ORAL CAVITY & PHARYNX	76	3	79	2%
Tongue	21	0	21	1%
Salivary Glands	6	0	6	0%
Floor of Mouth	8	0	8	0%
Gum & Other Mouth	11	2	13	0%
Nasopharynx	2	0	2	0%
Tonsil	18	0	18	0%
Oropharynx	3	0	3	0%
Hypopharynx	7	1	8	0%
DIGESTIVE SYSTEM	571	25	596	14%
Esophagus	34	0	34	1%
Stomach	47	4	51	1%
Small Intestine	26	2	28	1%
Colon Excluding Rectum	187	3	190	5%
Rectum & Rectosigmoid	79	3	82	2%
Anus, Anal Canal & Anorectum	14	2	16	0%
Liver & Intrahepatic Bile Duct	36	5	41	1%
Gallbladder	14	0	14	0%
Other Biliary	18	0	18	0%
Pancreas	102	5	107	3%
Retroperitoneum	2	0	2	0%
Peritoneum, Omentum & Mesentery	5	1	6	0%
Other Digestive Organs	7	0	7	0%
RESPIRATORY SYSTEM	317	16	333	8%
Nose, Nasal Cavity & Middle Ear	3	0	3	0%
Larynx	19	3	22	1%
Lung & Bronchus	294	13	307	7%
Trachea, Mediastinum & Other Resp Orgs	1	0	1	0%
BONES & JOINTS	7	2	9	0%
SOFT TISSUE	21	4	25	1%
SKIN EXCL BASAL & SQUAMOUS	326	5	331	8%
Melanoma—Skin	307	4	311	8%
Other Non-Epithelial Skin	19	1	20	0%
BASAL & SQUAMOUS SKIN	0	16	16	0%
BREAST	780	27	807	20%
FEMALE GENITAL SYSTEM	235	20	255	6%
Cervix Uteri	17	1	18	0%
Corpus & Uterus, NOS	143	7	150	4%
Ovary	43	2	45	1%
Vagina	4	3	7	0%
Vulva	14	7	21	1%
Other Female Genital Organs	14	0	14	0%
MALE GENITAL SYSTEM	441	36	477	12%
Prostate	425	36	461	11%
Testis	12	0	12	0%
Penis	2	0	2	0%
Other Male Genital Organs	2	0	2	0%
URINARY SYSTEM	268	13	281	7%
Urinary Bladder	155	7	162	4%
Kidney & Renal Pelvis	102	6	108	3%
Ureter	8	0	8	0%
Other Urinary Organs	3	0	3	0%
EYE & ORBIT	5	2	7	0%
BRAIN & OTHER NERVOUS SYSTEMS	199	19	218	5%
Brain	40	10	50	1%
Cranial Nerves, Other Nervous Systems	159	9	168	4%
ENDOCRINE SYSTEM	176	8	184	4%
Thyroid	108	5	113	3%
Other Endocrine Including Thymus	68	3	71	2%
LYMPHOMA	198	11	209	5%
Hodgkin Lymphoma	11	0	11	0%
Non-Hodgkin Lymphoma	187	11	198	5%
MYELOMA	49	1	50	1%
LEUKEMIA	109	8	117	3%
Lymphocytic Leukemia	57	6	63	2%
Myeloid & Monocytic Leukemia	49	2	51	1%
Other Leukemia	3	0	3	0%
MESOTHELIOMA	5	0	5	0%
KAPOSI SARCOMA	1	0	1	0%
MISCELLANEOUS	109	3	112	2%
Total	3,893	219	4,112	100%

Oncology Conferences

Breast Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868, Mondays, 7:30 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Colorectal Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868
2nd and 4th Fridays, 7 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Genitourinary Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868
1st and 3rd Thursdays, 5:30 p.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Gynecology Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868, Thursdays, 7 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Head and Neck Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868
1st and 3rd Thursdays, 8 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Hematology/Pathology Conferences

NorthShore Evanston Hospital
Pathology Conference Room 1923
Wednesdays, 8:30 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Hepatic Biliary Pancreatic Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868, Tuesdays, 7 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Molecular Oncology Conferences

NorthShore Evanston Hospital
Kellogg Room 4818, 2nd Monday, 7 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Neuro-Oncology Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868
2nd and 4th Wednesdays, 7:30 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Sarcoma/Melanoma Conferences

NorthShore Evanston Hospital
Kellogg Room G868
1st and 3rd Wednesdays, 8 a.m.
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Thoracic Cancer Conferences

NorthShore Evanston Hospital
Kellogg Room G868, Tuesdays, noon
NorthShore Glenbrook and Highland Park
Hospitals Videocast

Physician Teams

Brain & Spine/ Neurologic

Julian E. Bailes, MD
Shakeel Chowdhry, MD
Heather Leeper, MD
Ryan Merrell, MD
Ricky Wong, MD

Breast

Ermilo Barrera, MD
Michael Howard, MD
Lawrence Krause, MD
Teresa Murray Law, MD
Katherine Kopkash, MD
Barbara Loris, MD
Douglas Merkel, MD
Catherine Pesce, MD
Poornima Saha, MD
Mark Sisco, MD
Elaine Lee Wade, MD
David J. Winchester, MD
Katharine Yao, MD

Endocrine

Mihir Bhayani, MD
Janardan Khandekar, MD
Tricia Moo-Young, MD
Cheryl Nocon, MD
Richard Prinz, MD
David J. Winchester, MD

Gastrointestinal

(Colon, Esophageal,
Liver, Pancreatic, Stomach)

Matthew Adess, MD
Marisa Hill, MD
John Linn, MD
Robert Marsh, MD
Joseph Muldoon, MD
Jennifer Paruch, MD
James Spitz, MD
Mark Talamonti, MD
Michael Ujiki, MD
Lauren Wiebe, MD

Genitourinary

(Bladder, Kidney,
Prostate, Testicular)

Michael Blum, MD
Charles Brendler, MD
Peter Colegrove, MD
Britt Hanson, DO
Brian Helfand, MD, PhD
Thomas Keeler, MD
Teresa Murray Law, MD
Michael McGuire, MD
Kristian Novakovic, MD
Sangtae Park, MD, MPH
Ariel Polish, MD
Daniel Shevrin, MD

Gynecologic

(Cervical, Endometrial/
Uterine, Ovarian, Vaginal)

Jean Hurteau, MD
Mary Tilley Jenkins
Vogel, MD
Carolyn Kirschner, MD
Elena Moore, MD
Gustavo Rodriguez, MD

Head & Neck

(Larynx, Mouth,
Throat, Thyroid)

Mihir Bhayani, MD
Bruce Brockstein, MD
Nicholas Campbell, MD
Aaron Friedman, MD
Thomas Hensing, MD
Tricia Moo-Young, MD
Cheryl Nocon, MD
Richard Prinz, MD
Joseph Raviv, MD
Michael Shinnars, MD
David J. Winchester, MD
Ricky Wong, MD

Hematology

(Leukemia,
Lymphoma, Myeloma)

Matthew Adess, MD
Alla Gimelfarb, MD
David Grinblatt, MD
Britt Hanson, DO
Jagoda Jasielc, MD
Lynne Kaminer, MD
Ariel Polish, MD

Lung/Thoracic

Nicholas Campbell, MD
Alla Gimelfarb, MD
Thomas Hensing, MD
Ki Wan Kim, MD
Seth Krantz, MD
Ariel Polish, MD

Medical Genetics

Peter Hulick, MD
Andrew Melnyk, MD

Melanoma/ Skin Cancer

Ermilo Barrera, MD
Mara Beveridge, MD
Bruce Brockstein, MD
Britt Hanson, DO
Ross Levy, MD
Luzheng Liu, MD
Gregg Menaker, MD
Bernhard Ortel, MD
Jason Waldinger, MD
David J. Winchester, MD

Radiation/Oncology

William Bloomer, MD
Ranjeev Nanda, MD
Vathsala Raghavan, MD
Arif Shaikh, MD

Sarcoma/Bone

Ermilo Barrera, MD
Bruce Brockstein, MD
Mark Talamonti, MD
David J. Winchester, MD

Physician Directory



Matthew Adess, MD
Medical Director, Highland Park Kellogg Cancer Center
 Expertise: GI Oncology; Benign and Malignant Hematology
 Locations: GBK, GR, HPK



Marc Alonzo, MD
 Expertise: Interventional Radiology
 Locations: EH, GB, HP



Thomas Aquisto, MD
 Expertise: Interventional Radiology
 Location: EH



Julian E. Bailes, MD
*Chair, Department of Neurosurgery
 Co-Director, NorthShore Neurological Institute*
 Expertise: Brain and Spine Tumor Surgery
 Locations: EV, HPS



Ermilo Barrera, MD
 Expertise: Surgical Oncology with Emphasis on Breast, Melanoma, and Sarcoma; General Surgery
 Locations: GBB, GBM



Mara Beveridge, MD
 Expertise: Adult and Pediatric Dermatology, Skin Cancers
 Locations: EV, SKM



Mihir Bhayani, MD
 Expertise: Head and Neck Cancers; Thyroid and Parathyroid Surgery; Robotic Surgery
 Locations: EVK, NBK, VH



William Bloomer, MD
Chair, Department of Radiation Oncology
 Expertise: Breast Cancer; Prostate Cancer; Lung and Gastrointestinal Cancer
 Locations: EH, HP



Michael Blum, MD
 Expertise: Urologic Oncology; Sexual Dysfunction; Infertility
 Locations: EH, HPS



Charles Brendler, MD
*Executive Research Director
 Program for Personalized Cancer Care*
 Expertise: Prostate Cancer and Prostate Health
 Location: GB



Bruce Brockstein, MD
*Division Head, Hematology/Oncology
 Medical Director, Kellogg Cancer Center*
 Expertise: Head and Neck; Melanoma; Sarcoma
 Locations: EVK, HPK



Nicholas Campbell, MD
 Expertise: Lung Cancer; Esophageal Cancer; Head and Neck Cancers
 Locations: EVK, HPK



Shakeel Chowdhry, MD
 Expertise: Brain and Spine Tumor Surgery; Stereotactic Radiosurgery
 Locations: EV, GB



Peter Colegrove, MD
 Expertise: Sexual Dysfunction; Urologic Oncology; Incontinence; Prostate Health
 Locations: EV, GB



Hector Ferral, MD
 Expertise: Interventional Radiology
 Location: EH



Claus Fimmel, MD
 Expertise: Liver Diseases; Gastrointestinal Diseases; GI Endoscopy; Liver Biopsy
 Locations: EV, HPS, SK



Aaron Friedman, MD
 Expertise: Benign and Malignant Laryngeal Tumors; Vocal Cord Cancer
 Locations: EV, NMB



Alla Gimelfarb, MD
 Expertise: Benign and Malignant Hematology
 Location: GBK



David Grinblatt, MD
 Expertise: Benign and Malignant Hematology
 Locations: EVK, GBK



Britt Hanson, DO
 Expertise: Melanoma; Genitourinary Cancer; Benign and Malignant Hematology
 Locations: GR, HPK



Brian Helfand, MD, PhD
 Expertise: Prostate Cancer; Benign Prostatic Hyperplasia; Laparoscopic Surgery; Robotic Assisted Surgery; Laser Surgery
 Locations: GB, GR, HP



Thomas Hensing, MD
Medical Director, Evanston Kellogg Cancer Center; Deputy Division Head, Hematology/Oncology
 Expertise: Lung Cancer; Esophageal Cancer; Head and Neck Cancers
 Locations: EVK, GBK



Marisa Hill, MD
 Expertise: GI Oncology
 Locations: EH, HP



Michael Howard, MD
 Expertise: Plastic Surgery; Breast Reconstruction
 Location: NMB



Peter Hulick, MD, MMSc
*Division Head, Medical Genetics
 Director, Center for Personalized Medicine*
 Expertise: Medical Genetics
 Locations: EV, HPK



Jean Hurteau, MD
 Expertise: Cervix Cancer; Endometrial Cancer; Fallopian Tube Cancer; Ovarian Cancer; Uterine Cancer; Vaginal Cancer
 Locations: EVK, HPK, SK



Jagoda Jasielc, MD
 Expertise: Benign and Malignant Hematology
 Locations: EVK, SK



Mary Tilley Jenkins Vogel, MD
 Expertise: Gynecologic Oncology
 Locations: EVK, GBK, HPK



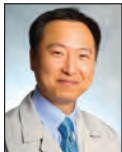
Lynne Kaminer, MD
Section Chief, Hematology
 Expertise: Benign and Malignant Hematology
 Locations: EVK, GBK



Thomas Keeler, MD
 Expertise: Urolithiasis; Urologic Oncology; Incontinence
 Locations: EV, GB



Janardan Khandekar, MD
Director, Center for Molecular Medicine
 Expertise: Endocrine; Breast Cancer
 Location: EVK



Ki Wan Kim, MD
 Expertise: Lung Cancer; Esophageal Cancer; Minimally Invasive Thoracic Surgery
 Locations: GBK, SK



Carolyn Kirschner, MD
 Expertise: Gynecologic Oncology
 Locations: EVK, GBK



Katherine Kopkash, MD
 Breast Cancer; Oncoplastic Breast Surgery; Breast Health; Breast Disease and Surgery
 Locations: EVB, GBB



Seth Krantz, MD
 Expertise: Lung Cancer; Esophageal Cancer; Minimally Invasive Thoracic Surgery
 Locations: GBK, HPK, GR



Lawrence Krause, MD
 Expertise: Breast Cancer; Breast Health; Breast Disease and Surgery
 Locations: CH, HPB, SK



Ross Levy, MD
 Expertise: Mohs Surgery; Dermatologic Surgery; Laser Surgery; Cosmetic Surgery; Liposuction
 Location: SKM



Heather Leeper, MD
 Expertise: Neuro-Oncology
 Locations: EVK, HPK, LS



John Linn, MD
 Expertise: Gastrointestinal Surgical Oncology Including Stomach and Esophagus; Weight Loss Surgery; General Surgery
 Locations: DP, EV, GBM



Luzheng Liu, MD
 Expertise: General Dermatology, Skin Cancers
 Locations: HP, VH



Barbara Loris, MD
 Expertise: Breast Cancer; Breast Health; Breast Disease and Surgery; General Surgery
 Locations: GR, HPB, HPS, LB



Robert Marsh, MD
Section Chief, GI Oncology
 Expertise: GI Oncology
 Locations: EVK, GBK



Michael McGuire, MD
Division Head, Urology
 Expertise: Prostate Cancer; Bladder Cancer; Kidney Cancer; Testis Cancer
 Locations: EH, GB



Andrew Melnyk, MD
 Expertise: Medical Genetics
 Locations: EV, HPK



Gregg Menaker, MD
 Expertise: Mohs Surgery; Dermatologic Surgery; Laser Surgery; Cosmetic Surgery; Liposuction
 Location: SKM



Douglas Merkel, MD
 Expertise: Breast Cancer
 Locations: EVK, GBK, HPK



Ryan Merrell, MD
Program Director, Neuro-Oncology
 Expertise: Brain Cancer; Brain Tumor; Neurologic Complications of Cancer; Tumor in the Central Nervous System (Brain or Spine)
 Locations: EVK, GBK



Tricia Moo-Young, MD
 Expertise: Minimally Invasive Approaches to Endocrine Disorders; Thyroid and Parathyroid Surgery; Adrenal Disorders; Pancreatic Exocrine; General Surgery
 Locations: HPS, SK, VH



Elena Moore, MD
 Expertise: Cervical Cancer; Endometrial Cancer; Fallopian Tube Cancer; Ovarian Cancer; Uterine Cancer; Vaginal Cancer; Vulvar Cancer
 Locations: EVK, HPK



Joseph Muldoon, MD
 Expertise: Minimally Invasive Colon and Rectal Cancer; Colon and Rectal Cancer; Inflammatory Bowel Disease; General Surgery
 Locations: EV, GBK, GBM



Faris Murad, MD, FASGE
Chief of Advanced Therapeutic Endoscopy
 Expertise: Advanced Endoscopy; Therapeutic Endoscopy
 Locations: EVK, EVM



Teresa Murray Law, MD
 Expertise: Breast Cancer; Prostate Cancer; Genitourinary Cancer
 Locations: EVK, GR, HPK



Ranjeev Nanda, MD
 Expertise: Stereotactic Radiosurgery; Brain Tumors; Head and Neck Cancers
 Locations: EH, GBH



Cheryl Nocon, MD
 Expertise: Head and Neck Cancer; Thyroid and Parathyroid Surgery; Microvascular Reconstruction
 Locations: EV, NMB, SK, VH



Kristian Novakovic, MD
 Expertise: Kidney Cancer; Prostate Cancer; Minimally Invasive Techniques: Advanced Laparoscopy and daVinci Robot
 Locations: GB, HP, VH



Bernhard Ortel, MD
Division Head, Dermatology
 Expertise: Skin Cancer, General Dermatology, Psoriasis, Blistering Diseases
 Location: SKM



Sangtae Park, MD, MPH
 Expertise: Single-Port Laparoscopic Surgery; Robotic Surgery; Urolithiasis; Urologic Oncology
 Locations: EV, GB



Jennifer Paruch, MD
 Expertise: Minimally Invasive Colon and Rectal Surgery; Colon and Rectal Cancer; Inflammatory Bowel Disease; Anorectal Surgery; Colonoscopy; General Surgery
 Locations: EV, GR, HP, VH



Catherine Pesce, MD
Director, Surgical Breast Program
 Expertise: Breast Cancer; Breast Health; Breast Disease and Surgery
 Locations: HPB, HPK, EVK



Ariel Polish, MD
 Expertise: GI Oncology, Benign and Malignant Oncology; Genitourinary Cancer; Lung Cancer; Hematology/Oncology
 Locations: GBK, GR

(continued)



Richard Prinz, MD
Vice Chair, Administration & Clinical Development, Department of Surgery
 Expertise: Endocrine Surgery with Emphasis on Thyroid, Parathyroid, Adrenal and Pancreatic Neuroendocrine Surgery
 Locations: EV, HPS, MP



Vathsala Raghavan, MD
 Expertise: Breast Cancer; Gynecologic Oncology; Head and Neck Cancers; Thyroid Cancer
 Locations: GBH, HPH



Joseph Raviv, MD
 Expertise: Endoscopic Sinus and Anterior Skull Base Surgery
 Locations: EV, NMB



Gustavo Rodriguez, MD
Division Head, Gynecologic Oncology
 Expertise: Gynecologic Oncology
 Location: EVK



Carol Rosenberg, MD
Director, Preventive Health Initiatives; Director, Living in the Future (LIFE) Cancer Survivorship Program
 Expertise: Cancer Survivorship
 Location: HPH



Poornima Saha, MD
 Expertise: Breast Cancer
 Locations: EVK, HPK



Arif Shaikh, MD
 Expertise: Stereotactic Radiosurgery; Head and Neck Cancers; Lung Cancer; Gynecologic and Breast Tumors
 Locations: EH, GBH



Daniel Shevrin, MD
Medical Director, Glenbrook Kellogg Cancer Center
 Expertise: Prostate Cancer; Genitourinary Cancer
 Locations: EVK, GBK



Michael Shinnars, MD
 Expertise: Otolaryngology; Lateral Skull Base Surgery
 Locations: EV, NMB



Mark Sisco, MD
Division Head, Plastic and Reconstructive Surgery
 Expertise: Plastic Surgery; Breast Reconstruction
 Location: NMB



James Spitz, MD
 Expertise: Colon and Rectal Surgery; Colonoscopy; General Surgery
 Locations: GBM, SK, VH



Mark Talamonti, MD
Department Chair, Surgery
 Expertise: Gastrointestinal Surgical Oncology; Pancreatic Cancer; Primary and Metabolic Liver Tumors; Neuroendocrine Tumors; Foregut Cancers of the Esophagus; Sarcoma
 Location: EVK



Leslie Mendoza Temple, MD
 Expertise: Integrative Medicine
 Location: GP



Michael Ujiki, MD
Division Head, Gastrointestinal & General Surgery
 Expertise: Gastrointestinal Surgical Oncology including Stomach and Esophagus; Minimally Invasive Endoscopic Surgery; Weight Loss Surgery; General Surgery
 Locations: EV, GBM



Elaine Lee Wade, MD
 Expertise: Breast Cancer; Benign Hematology
 Locations: EVK, GBK



Jason Waldinger, MD
 Expertise: Skin Cancer, General Dermatology, Laser Procedures
 Locations: HPK, HPM



Lauren Wiebe, MD
 Expertise: Palliative Medicine; GI Oncology
 Locations: EH, GB



David J. Winchester, MD
Associate Director for Surgical Specialties, Kellogg Cancer Center
 Expertise: Surgical Oncology with Emphasis on Breast, Endocrine, Melanoma and Sarcoma; General Surgery
 Locations: EVB, EV, GBB, GBM



Ricky Wong, MD
 Expertise: Brain, Skull and Pituitary Tumors
 Locations: EV, GB



Katharine Yao, MD
Division Head of Surgical Oncology
 Expertise: Breast Cancer; Breast Health; Breast Disease and Surgery; Melanoma
 Locations: EVB, EVK

Locations

Chicago Lake Shore Medical Office (CH)
 680 North Lake Shore Drive, Suite 924
 Chicago, IL 60611

Evanston Breast Center (EVB)
 2650 Ridge Avenue, Evanston, IL 60201

Evanston Hospital (EH)
 2650 Ridge Avenue, Evanston, IL 60201

Evanston Kellogg Cancer Center (EVK)
 2650 Ridge Avenue, Evanston, IL 60201

Evanston Specialty Suites (EV)
 1000 Central Street, Evanston, IL 60201

Glenbrook Breast Center (GBB)
 2050 Pfingsten Road, Suite 130
 Glenview, IL 60026

Glenbrook Hospital (GBH)
 2100 Pfingsten Road, Glenview, IL 60026

Glenbrook John and Carol Walter Ambulatory Care Center (GB)
 2180 Pfingsten Road, Glenview, IL 60026

Glenbrook Kellogg Cancer Center (GBK)
 2180 Pfingsten Road, Suite 1000
 Glenview, IL 60026

Glenbrook Medical Building (GBM)
 2050 Pfingsten Road, Suite 128
 Glenview, IL 60026

Glenview Park Center (GP)
 2400 Chestnut Avenue, Glenview, IL 60026

Gurnee Ambulatory Care Center (GR)
 7900 Rollins Road, Gurnee, IL 60031

Highland Park Ambulatory Care Center (HPS)
 757 Park Avenue West, Highland Park, IL 60035

Highland Park Breast Center (HPB)
 777 Park Avenue West, Suite B400
 Highland Park, IL 60035

Highland Park Hospital (HPH)
 777 Park Avenue West, Room 1260
 Highland Park, IL 60035

Highland Park Kellogg Cancer Center (HPK)
 757 Park Avenue West, Suite 1810
 Highland Park, IL 60035

Highland Park Medical Building (HP)
 767 Park Avenue West, Suite B100
 Highland Park, IL 60035

Highland Park Medical Office (HPM)
 1160 Park Avenue West, Suite 1-North, Highland Park, IL 60035

Lake Bluff Medical Building (LB)
 71 Waukegan Road, Suite 700
 Lake Bluff, IL 60044

Lincolnshire Medical Building (LS)
 920 Milwaukee Avenue, Suite 2100
 Lincolnshire, IL 60069

Mount Prospect Medical Building (MP)
 1329 Wolf Road, Mount Prospect, IL 60056

Northbrook Medical Building (NMB)
 501 Skokie Boulevard, Northbrook, IL 60062

NorthShore Medical Group (HPM)
 1160 Park Avenue West, Suite 1N
 Highland Park, IL 60035

NorthShore Medical Group (SKM)
 9933 Woods Drive, Suite 200, Skokie, IL 60077

Skokie Ambulatory Care Center (SK)
 9650 Gross Point Road, Suite 3000
 Skokie, IL 60076

Vernon Hills Specialty Suites (VH)
 225 North Milwaukee Avenue
 Vernon Hills, IL 60061

Philanthropy Makes a Difference Kellogg Cancer Center

Philanthropy helped establish Kellogg Cancer Center in 1981. Generous support from patients and their families plays a vital role in every aspect of our comprehensive, patient-centered care.

Our patients benefit tremendously from tax-deductible donations, which help increase survival rates, improve quality of life and advance research. Philanthropic support ensures our patients receive vital support services such as nutritional counseling, psychosocial resources, financial counseling, medication assistance and survivorship services. Patients and their families receive vital assistance to cope with the challenges they face during diagnosis, treatment and beyond. By receiving support services, patients attain peace of mind and support, so they can focus on the most important task—healing.

Donations enable our experts to pursue leading-edge research initiatives, develop more personalized treatments for our patients and expand clinical research trials—all of which provide patients with new diagnostic tools and therapies.

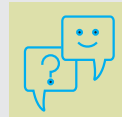
Here are some of the many ways your donations make an impact:



\$40,000 supports our medical oncology fellowship program for one year.



\$20,000 provides nearly 200 patients with nurse navigation services, giving cancer patients peace of mind and crucial support.



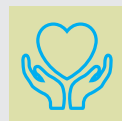
\$15,000 ensures nearly 200 patients receive psychosocial support. This service provides patients assistance with their emotional and practical needs.



\$10,000 provides seed funding to support promising advances in research.



\$5,000 supports leading-edge clinical trials for patients.



\$1,000 gives 10 patients and their families much-needed resources, education and support.



\$500 provides five patients with nutritional services throughout their treatment.

Donations of any amount enable you to make an impact and recognize your Kellogg Cancer Center care team. To learn more about how you can support Kellogg Cancer Center, please call **(224) 364-7200** or visit foundation.northshore.org.

Evanston Hospital
2650 Ridge Avenue
Evanston, Illinois 60201
(847) 570-2000

Glenbrook Hospital
2100 Pfingsten Road
Glenview, Illinois 60026
(847) 657-5800

Highland Park Hospital
777 Park Avenue West
Highland Park, Illinois 60035
(847) 432-8000

Skokie Hospital
9600 Gross Point Road
Skokie, Illinois 60076
(847) 677-9600

Medical Group
1301 Central Street
Evanston, Illinois 60201
(847) 570-5235

Foundation
1033 University Place, Suite 450
Evanston, Illinois 60201
(224) 364-7200

Research Institute
1001 University Place
Evanston, Illinois 60201
(224) 364-7100

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Evanston, Illinois 60201

northshore.org

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David J. Winchester, MD, FACS
Associate Director for Surgical Specialties,
Kellogg Cancer Center
Cancer Committee Chairman
Board of Directors, David P. Winchester, MD,
Chair of Surgical Oncology

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Matthew Adess, MD
Medical Director, Highland Park
Kellogg Cancer Center

Kristina Drabkin, DO
Physical Medicine & Rehabilitation

David Grinblatt, MD
Director, Oncology Research Program
Kellogg Cancer Center

Thomas Hensing, MD
Co-Director, Thoracic Oncology Program
Head of Quality, Kellogg Cancer Center
Deputy Division Head,
Division of Hematology and Oncology
Medical Director, Evanston Kellogg
Cancer Center

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Thoracic Oncology

Elena Moore, MD
Gynecologic Oncology

Joseph Muldoon, MD
General Surgery

Vice Chairman

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Medical Director,
Kellogg Cancer Center
Head, Division of Hematology/Oncology
Cancer Committee Vice-Chairman

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Urologic Oncology

James Padgett, MD
Pathology

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Surgical Oncology

Vathsala Raghavan, MD
Radiation Oncology

Carol A. Rosenberg, MD
Director, Living in the Future (LIFE)
Cancer Survivorship Program

Arif Shaikh, MD
Radiation Oncology

Georgia Spear, MD
Diagnostic Radiology

Elaine Lee Wade, MD
Associate Director
Patricia G. Nolan Breast Center
Hematology/Oncology

Ancillary Membership

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Senior Programmer Analyst
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Jonella Black, PT, MS
Program Coordinator, Rehab Services

George Carro, RPH, MS, BCOP
Senior Director, Oncology Pharmacy

Kim Cholewa, BSN
Oncology Nursing

Joanne Farrell, CPHQ
Corporate Quality Improvement

Jamie Feld, RN
Cancer Committee Coordinator
Cancer Registry

Amy Ferguson
Assistant Vice President,
Integrated Marketing and
Corporate Communications

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Cancer Registry Abstractor II
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Shayna Purcell
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Health Systems Manager
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Debra Ziegler
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Cancer Registry

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Oncology Nutrition
Kellogg Cancer Center

* All academic affiliations are with the University of Chicago Pritzker School of Medicine

For more information, please visit northshore.org/cancer or call (847) 570-2112

