“I received the gift of life... now I can give back.”

Lori Cote
Breast Cancer Survivor

Lori (pictured on cover) had early stage cancer hidden in her breast tissue. She credits 3-D mammography and the expertise of the comprehensive breast care team at Jupiter Medical Center with saving her life. Lori experienced comprehensive breast care, from diagnostics, to breast surgery, to partial breast irradiation. Today, Lori is healthy and thankful for the care she received at the Foshay Cancer Center.

It is my pleasure to reflect on a year filled with many exciting accomplishments and initiatives. We are committed to providing our patients the highest quality physicians, cutting-edge technologies and the best standard of care—all in a world-class environment. As we move forward with our mission to evolve a comprehensive cancer care program, we are transforming how we care for our patients by modeling ourselves after top academic medical centers and employing a multi-disciplinary approach to patient care.

An astounding 1,665,540 newly diagnosed cancer cases and 585,720 cancer-related deaths occurred in the U.S. in 2014—these are startling figures. Our ability to impact cancer care in South Florida is unparalleled, and it starts with our highly trained health care team that includes some of the world’s best educated physician specialists who are experts in their field, compassionate in their work and wholly dedicated to cancer prevention, early detection and diagnosis, and treatment using the most advanced technologies available.

In 2014 we acquired our second surgical robot, making us one of the first programs in the world to offer the new da Vinci® Xi™ System, in addition to a breakthrough intraoperative radiation therapy method, e-IORT, which dramatically reduces treatment and recovery time for cancer patients. Another milestone was the groundbreaking of the new oncology campus—Phase 1: the Margaret W. Niedland Breast Center, which opened in April 2015.

The newest technologies combined with the latest in genetic screenings, research, clinical trials, molecular treatments and immuno-therapies help define us as a world-class regional cancer center.

Treating the disease is only one aspect of patient care. At the Foshay Cancer Center, we treat the whole person through our evolving oncology, health and wellness, and integrative medical programs that address the full spectrum of mind, body and spirit.

In these pages, we report on our impressive progress and the mission of cancer care for our patients, forging a future of hope to prevent, diagnose and treat all cancers for all patients in our region. We congratulate the many accomplishments achieved by our physicians and staff this past year and thank them on behalf of all of our patients with cancer and their families.

“When the diagnosis is cancer, patients want world class care close to home.”

Abraham Schwarzberg, MD
Chief of Oncology
Jennifer didn't want a 'one size fits all' approach to treating her breast cancer. After having e-IORT, she felt the same the day after surgery as she did the day before. She appreciated the forward looking, out-of-the-box thinking that makes the cancer program unique.

"I met women from all over the state who came here because they knew something special was going on."

Jennifer Munro, Breast Cancer Survivor
Kristin Hoke Breast Health Program

Our Comprehensive Breast Care Program, comprised of the Margaret W. Niedland Breast Center for diagnostics and the Kristin Hoke Breast Health Program for treatment, earned reaccreditation from the National Accreditation Program for Breast Cancer (NAPBC) for another three-year term. This esteemed accreditation demonstrates our commitment to world-class care.

We furthered our commitment to transforming how we treat cancers with the implementation of the Lec 12 Mobile Electron Beam Intraoperative Radiation Therapy (e-IORT) system—a new method of delivering radiation in the operating room immediately after a tumor is removed. The use of electron beams protects the body from unnecessary radiation to healthy tissue and provides excellent outcomes for our patients. The benefits of e-IORT include reduced radiation exposure, reduced treatment time and a faster return to a normal quality of life. In fact, e-IORT can reduce weeks of radiation treatment down to a single dose for many patients.

Jupiter Medical Center broke ground in 2014 to construct the new free-standing Margaret W. Niedland Breast Center as phase one of Jupiter Medical Center’s new oncology campus. In addition to new facilities and technologies to better serve our patients, educating the community about breast health was at the forefront of our activity in 2014. Foshay Cancer Center physicians presented numerous lectures and discussions to community groups and staff participated in many breast cancer fundraisers including Susan B. Komen Race for the Cure, American Cancer Society Strides, Hot Pink in Palm Beach, Blue Water Babies and Dragon Boat events.

Cutaneous Oncology

David A. Lickstein, MD  Medical Director

“Integration with other specialties is refreshing. We know we can do better by working together.”

Cutaneous oncology services launched melanoma conferences in 2014, which provide the opportunity for the best treatment planning for cancer patients. This gives a forum for physicians with newly diagnosed melanoma cases to access a panel of experts in a variety of specialties and develop a personalized treatment plan. We continue to face challenges in how we determine the optimal treatments for patients, and our conferences foster an attitude of pulling together for the greater good.

With skin cancer being the most commonly diagnosed cancer in the United States and melanoma being the most deadly form, mapping and genetic testing will become more common in identifying patients at high risk for developing melanoma.

As more and more people are diagnosed with melanoma, it is imperative that we provide experts to care for these patients. We are excited to add two new dermatologists to our program, as well as host one or two continuing medical education (CME) programs for the coming year and further develop our multidisciplinary conferences to discuss individual patient cases. Also, we will continue our commitment to be active in our outreach to educate and perform skin cancer screenings.

Genitourinary Oncology

R. Neil Bartland, MD  Medical Director

“In speaking of the Cancer Center team and hospital administration, the energy and attitude are refreshing; I am hopeful for the future.”

Genitourinary oncology services at Foshay Cancer Center experienced a successful 2014. We organized and implemented a multidisciplinary monthly conference in which different specialties join together to help streamline cancer care and bring more immediate attention to patient care issues. The conference aims to provide the best treatment plan for the individual patient.

In spring 2014 we attended the W. B. Ingalls Memorial Prostate Health and Cancer seminar at Scripps to explore options for community programs as part of our outreach efforts. We began preparations for a 2015 prostate seminar and the introduction of blue light cystoscopy, innovative technology to aid in the diagnosis and treatment of bladder cancer. Blue-light cystoscopy increases the visibility of bladder tumors and reduces chances of cancer recurrence.

As a practicing urologist with an oncology focus, I envision Foshay Cancer Center’s future to include a multidisciplinary environment in which to treat patients with genitourinary malignancies.

Thoracic Surgery

K. Adam Lee, MD  Medical Director

“It is our excellent patient outcomes, combined with our multi-disciplinary physician team, highly trained staff, a dedicated thoracic patient navigator and leading-edge technology that allow us to sustain our world-class status.”

Lung cancer is the leading cause of cancer deaths in both men and women. More people die of lung cancer than colorectal, prostate and breast combined. Jupiter Medical Center recognized this dilemma and established the thoracic surgery and lung program within the Foshay Cancer Center. This strategic initiative designed a multidisciplinary approach for the diagnosis and treatment of lung and esophageal cancer for patients in Palm Beach and Martin counties and other extended regional areas.

We are recognized nationally for one of the most sophisticated minimally invasive surgery centers in the world. Our team has pioneered leading-edge minimally invasive and robotic procedures and early detection utilizing electromagnetic navigational bronchoscopy. The first in the nation to offer the Veran™ Medical Technologies Total Navigation Oncology Solution—a comprehensive technology enabling easier navigation to lung, liver and kidney biopsies—we became one of only seven hospitals in the nation to be named a Varian Center of Excellence. Our Center of Excellence has been recognized nationally for a teaching site for navigational bronchoscopies as well as for robotics and minimally invasive surgery.
When Bud, a retired Marine, discovered he had lung cancer, a patient navigator walked him through the entire experience – from pre-op, to surgery and rehabilitation. Today, Bud is cancer-free and credits the entire Thoracic Surgery & Lung Center of Excellence team at Jupiter Medical Center with saving his life.

“I told Dr. Lee I needed somebody to not only cure my lung cancer, but to take me through the whole process.”

Harold “Bud” Stambaugh & best friend Freedom

We’ve made great strides in 2014. With a more formalized academic model of care and a surgical landscape exploding with potential, the Foshay Cancer Center is taking advantage of every upgrade available at Jupiter Medical Center. We’ve enhanced our surgical technologies by offering more minimally invasive techniques, including robotic surgeries. Gone are the days of radical surgeries requiring 8 - 12-week recovery times and extensive scarring. Now, with robotics, our surgeons operate with steady, natural movements and enhanced ergonomics using the latest technology available. With the da Vinci® Xi and Si Platforms assisting, the surgeon can remove tumors, gallbladders, ovaries, and even perform full hysterectomies through a single-site one inch incision, or through three to five even smaller incisions.

The Foshay Cancer Center is at the forefront of transforming the delivery of cancer care to our communities. For instance, sentinel node biopsy, a surgical procedure used to determine if cancer has spread beyond a primary tumor into an individual’s lymphatic system, is used most commonly in evaluating breast cancer and melanoma. Recently, the use of sentinel node biopsy is increasing in cervical, uterine and ovarian cancers, proving to be a valuable procedure and technique to obtain critical information and minimize side effects and scarring.

This is an exciting time in medicine—with state-of-the-art surgical tools, discoveries of new drug combinations and multi-modality treatments, such as the use of neoadjuvant chemotherapy, which reduces the size of a tumor prior to surgery, thereby allowing for a minimally invasive procedure. Patients are getting better care than ever with new advances available every day. Exciting work is being done in the exploration of the human genome to help identify a family predisposition for cancer. Prevention in the form of vaccinations such as the HPV vaccine and treatments will someday help eradicate many cancers, including many cervical, bladder and head and neck cancers. We look forward to another great year at Jupiter Medical Center.

“Just as our grandparents never imagined a man could walk on the moon, I never imagined we would perform radical cancer surgery through tiny incisions or through a single site with robotic assistance—leaving a patient virtually scarless!”

Robotic Surgery

Donna Pinelli, MD  Medical Director

2014 Open vs Robotic Surgery

<table>
<thead>
<tr>
<th>Type of Surgery</th>
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<tr>
<td>Open Approach, not otherwise specified (NOS)</td>
<td>384</td>
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<tr>
<td>Robotic Assisted</td>
<td>117</td>
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<tr>
<td>Robotic Converted to Open</td>
<td>7</td>
</tr>
<tr>
<td>Total</td>
<td>510</td>
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</table>

76% Open Approach

23% Robotic Assisted

1% Robotic Converted to Open
“The war we wage on cancer is so much more than surgery, radiation, chemotherapy, hormones, vaccines or research... it is waged by holding someone’s hand, looking them in the eyes and letting them know you really do care about what happens to them.”

The Cancer Committee is a multidisciplinary team comprised of representatives from physician specialties, nursing, administration, quality services and the cancer registry. The goal of the Cancer Committee is to encourage plans for improvement and change, evaluate all cancer-related activities and further strengthen services available to our cancer patients. The group meets bimonthly to monitor and assess the oncology program to maintain compliance and ensure the American College of Surgeons Commission on Cancer requirements are met.

The Cancer Committee also reviews current program research projects and considers the latest in clinical trials, all in the hopes of finding ways to diagnose cancers earlier, discover new medications that prolong survival, or implement new surgical techniques that offer quicker and less painful recoveries—and, perhaps someday find the key to stop cancer.

We recognize that the standards of our program affect the survival and quality of life for our cancer patients and so we continue to strive toward goals that exceed national benchmarks.

As the Cancer Liaison Physician (CLP), a leadership role within the cancer program and a member of the Cancer Committee, I am responsible for evaluating, interpreting and reporting the program’s performance using National Cancer Data Base (NCDB) data to the Cancer Committee at least four times annually. We use that information to set and follow standards of care not only recognized by our governing bodies, but ones that will set us apart from others so that we can provide high quality world-class care to the communities we serve. Below is one example of the quality improvement measures initiated by the Cancer Committee this year.

Evaluation and Treatment Planning Study – Comparison of the Number of Lymph Nodes Removed During Colorectal Surgery to the National Standard (Commission on Cancer Standard 4.5 – Quality Improvement Measures)

Globally greater than 1 million people get colorectal cancer yearly resulting in about 500,000 deaths. The National Quality Forum (NQF) selected as a quality improvement measure that at least 12 regional lymph nodes are removed and pathologically examined for resected colon cancer. Quality improvement measures are intended to be used for internal monitoring of performance within an organization or group so that analyses and subsequent remedial actions can be taken, as appropriate.

Based on the result of this study the recommendation was to educate physicians on the national standard for removing lymph nodes in colorectal cancer patients. Having educated our colorectal surgeons of the NQF standards there has been a significant improvement in the lymph node collections.

K. Adam Lee, MD  Cancer Liaison Physician

The Cancer Committee Chair, 2014
Clinical Research Trials 2014 Annual Report

The Clinical Trials Program at Jupiter Medical Center, under the medical direction of S. Raymond Golish, MD, Chair of the Jupiter Medical Center Institutional Review Board, offered many exciting clinical trials in 2014.

Our research department achieved commendation status with the Commission of Cancer and the NAPBC (National Accreditation Program for Breast Centers) for clinical trial accrual. Clinical trials offered at Jupiter Medical Center include oncology-related trials, disease-specific trials such as stroke and surgery studies, biospecimen trials, hyperbaric oxygen trials, infectious disease studies and prevention trials.

Clinical trials focused on new cancer drugs or drug combinations, new approaches to radiation therapy, surgical techniques, quality of life and genetic issues are some of the trials available to cancer patients.

Collaborations with major pharmaceutical companies have offered cutting edge diagnostic and treatment trials to better serve our community. Prevention trials test new approaches with medicines, vitamins, minerals or other supplements that may lower the risk of specific cancers. These trials may discover ways to prevent cancer in people who have never had cancer or to prevent the return of cancer in patients who have already had cancer. Screening trials test the best way to find cancer in its early stages and quality of life trials explore ways to improve comfort and daily living for cancer patients.

The study of surgical tissue specimens of the breast and the lung to learn more about cancer mutations affecting DNA, RNA and protein expression in tumors.

Clinical research continues to ensure Jupiter Medical Center is on the forefront of the future of medicine. During 2014, the research department participated in 30 new trials and consented over 300 patients for participation. Clinical research offers great potential for future cancer treatments that may someday benefit patients. Results from these trials will help the medical community better understand how therapies work and how to most effectively manage and treat cancers—changing cancer care.

Navigating the World of Cancer Care

The Cancer Navigation program is an invaluable resource for patients. A cancer diagnosis can be frightening and overwhelming. Our patient navigators help patients address the challenges of a new diagnosis and assist those currently involved in cancer treatment. Our extensive and comprehensive program also includes educational classes, support groups, community resources, special events and follow-up through survivorship.

Supporting Patients and Families

Cancer patients and their families have the opportunity to work closely with the Oncology Support Services as part of the patient navigation team to manage psychosocial and practical needs. These activities include performing patient assessments, developing patient-specific coping strategies utilizing evidence-based interventions, providing education and resources, coordinating with the interdisciplinary team members to ensure patient needs are addressed.

2014 Support Service Accomplishments

The oncology support team launched a redesigned psychosocial distress screening tool to better assess the needs of our patients. The team also developed the Strategic Plan to guide the implementation of the Commission on Cancer (CoC) and National Accreditation Program for Breast Centers (NAPBC) Survivorship program.

Highlights of 2014 Oncology Clinical Trials

Bard Equipment

A Prospective Multi-Center Clinical Study to Evaluate the Safety of ProgALL Pleural Air Sealant in Video Assisted and Robotic Assisted Thoracic Surgery.

Principal Investigator—K. Adam Lee, MD

Amgen Pharmaceutical

Chemotherapy Induced Anemia trial for patients receiving blood transfusions. This study looks at patient’s symptoms and treatment related to anemia while on chemotherapy.

Principal Investigator—Marcelle Bertrand, MD

Juno/015/Scripps Florida

The study of surgical tissue specimens of the breast and the lung to learn more about cancer mutations affecting DNA, RNA and protein expression in tumors.

Principal Investigator—Paul Garen, MD

2014 Events and Presentations

- Annual Survivor’s Day Celebration
- Prostate Screenings
- Skin Cancer Screenings
- Lunch and Learn Meet the Navigators
- 2014 Komen Community Profile Kick Off
- Horticultural Experience (Edible Gardening, Healthful and Flavorful Food Choices, Seeds to Supper and more)
- Hosted and presented at joint annual meeting of Southeast Florida Cancer Control Collaborative and the Community Cancer Council - Shared commitment to improving access to care, decreasing burden of cancer through a collaborative effort by providing education, advocacy and research within the Southeast Florida region.

STAR Oncology Rehabilitation Program

Between 65 and 90 percent of cancer patients and survivors experience physical and psychological stressors that contribute to disability and a lower health-related quality of life. These percentages are decreasing with the help of the STAR (Survivorship Training and Rehab) Program, a nationally-certified program designed to meet the unique rehabilitative needs and interests of cancer patients and survivors. The STAR Program, available at the Foshay Cancer Center, integrates a variety of therapeutic techniques under the direct supervision of licensed physical, occupational and speech therapists, a dietician, oncology counselor, massage therapist, exercise specialists and oncology nurses. All aspects of rehabilitation are coordinated with the approval and guidance of the patient’s physician. Patients enrolled in STAR experience enhanced self-image and sense of control, improved endurance and increased muscular strength resulting in improved functional mobility. A decreased incidence of anxiety and depression, and reduction of fatigue and pain also are among the benefits to patients. Participation in STAR helps many cancer patients manage lymph edema and treatment side effects, improve tolerance to chemotherapy, shorten recovery time after surgery and treatment, strengthen the immune system, decrease risk of infection, and improve quality of life.

Palliative Care

Palliative care is an approach that improves the quality of life for patients and their families facing challenges associated with life-threatening illness. The Foshay Cancer Center has partnered with Harbor Palliative Care Services to provide inpatient consultative services. Board certified physicians and nurse practitioner consultants strive to provide excellent symptom management and assist the oncology patient to find relief from symptoms. The expert consultants help the patient and his or her family to determine patient care goals and make recommendations to the attending physician regarding medication adjustments, treatment interventions and advanced planning. Assisting the physicians are hospital pharmacists, social workers and a chaplain.

Hospice Care

When a medical provider estimates a patient has six months or less to live, hospice care may be recommended. Committed to assisting patients and their families to live as fully and comfortable as possible, hospice professionals can care for patients in their own homes, assisted living facilities and nursing homes.

When patients have uncontrolled symptoms or are very near the end of life and need comfort interventions, Hospice of Palm Beach County, a division of TrustBridge Health, provides 24-hour care in the 13-bed unit located in the Jupiter Pavilion.

Pain Management

For some oncology patients with difficult-to-control pain issues, referral to Jupiter Medical Center’s Pain Management Center, or consultation with an in-house pain specialist is sometimes recommended. Other recommendations may include physical and occupational therapy, radiation therapy, and complementary therapies such as meditation and acupuncture.
Multidisciplinary Cancer Conferences

Our strength lies in our multidisciplinary approach through cancer conferences, sometimes known as tumor boards. Breast, thoracic and multidisciplinary conferences began in October 2013. January 2014 marked the addition of cutaneous, gynecologic and gynecologic cancer conferences. The cancer conferences are attended by medical oncologists, radiation oncologists, surgeons, radiologists, pathologists and other specialists who share ideas and knowledge, and work together to determine the best treatment for each patient.

Cancer conference discussions include an analysis of the disease stage, including prognostic indicators, research findings and treatment plan using evidence-based and national treatment guidelines, options for clinical research trials, genetic testing and palliative care. Psychosocial care and rehabilitation services also may be discussed. Nurses, genetic counselors, social workers, psychologists, chaplains and others also may attend the conference to provide consultative service for their patients.

In 2014, 454 cases were presented at cancer conferences, which follows standards set by the Commission on Cancer and the American College of Surgeons. The collaboration of the cancer conferences is a positive influence in determining the optimal treatment plan for a cancer patient unique to the individual. The monitoring of cancer conference activity may also identify opportunities to improve the patient care process.

Cancer Registry

The Cancer Registry is the department of the Foxhey Cancer Center designated to collect, manage, analyze and report information on every cancer patient diagnosed and/or treated at our center. The information collected for each patient includes routine personal and demographic data, diagnosis, stage of disease at diagnosis, medical history, laboratory data, tissue diagnosis and initial course of treatment.

To protect the privacy of each patient, each case is de-identified and coded by number rather than name, and personal/demographic information is removed before it is reported to the Florida Cancer Registry and the National Cancer Database to help health officials to better monitor and advance cancer treatments, conduct research and improve cancer prevention and screening programs.

The Cancer Committee uses the cancer registry data to measure compliance with evidence-based clinical practice guidelines endorsed by the American College of Surgeons Commission on Cancer through quality improvement studies. The integrity of the data is closely monitored through dedicated quality control measures while strict confidentiality is maintained to protect patient privacy.

2014 Summary Site Breakdown

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<th>Female</th>
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For Jupiter Medical Center’s 2012 and 2013 Cancer Registry data, please visit foxhey cancersite.com/registry-data.