

2017 Cancer Program Annual Report With 2016 Registry Data



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This report features data and information regarding cancers diagnosed and treated at the MemorialCare Orange Coast Medical Center, with a special focus on navigation services along the continuum of care—and beyond hospital walls. Designed for physicians and interested patients, this information demonstrates the patient-centered, high-quality approach to care that Orange Coast patients receive.

Cancer Committee Chairman's Report
Jack Jacob, MD

Suffice it to say, 2017 was a busy year for the MemorialCare Cancer Institute at Orange Coast Medical Center. The active members of the Cancer Committee which meets and collaborates on a regular basis continued their efforts of improving every aspect of the cancer program including the areas of community education, prevention, screening, diagnostics, patient navigation, treatment, survivorship, palliative care and supportive care. Indeed, I feel privileged as the Chair of Cancer Committee to be a member of such a dedicated group of individuals and it is with great pride but also sadness that I briefly review the achievements of the year and our future directions knowing that we lost our program director, Marie La Fargue, at the end of 2017.

We have again remained diligent in our dedication to ensure that patient focused and disease specific programs are available through a well-integrated and collaborative team that provides total care across the continuum from prevention to end of life in a compassionate, warm and state-of-the-art environment. This dedication to patient-centered care is exemplified by our community education programs and events including corporate wellness programs, health fairs, and onsite education to community-based social clubs and organizations, as well as the superb clinical outcomes our patients achieve.

We have continued to strive to improve the cancer patient experience at the Institute. Among the needs that cancer patients have readily identified are access to clinical trials and advanced technology, higher-quality of service delivery, better communication/collaboration between their various specialists and primary care physician, more resources for survivorship care and demonstration and/or evidence of clinical excellence. The clinical research program, under new leadership, is now growing and one anticipates an array of clinical trials to be available in the very near future for our patients. Our nurse navigator has continued to provide direct patient education and care coordination, tracking of incidental lung nodules, and follow-up with high-risk patients and those whose management includes endobronchial ultrasound (EBUS) or surgery. Moreover, growth in our Low-Dose CT Lung Cancer screening program, among the first in Orange County, utilized for the earlier detection of lung cancer has steadily continued. In addition, the Bonnie J. Addario Lung Cancer foundation designated the program a Community Center of Excellence in lung cancer care, a distinction only 17 other community hospitals across the nation have received. This recognition and partnership follows the Lung Cancer Alliance's designation of the program as also a center of excellence in lung cancer. Similarly, the Breast Program has continued to thrive thru excellence in care, the adoption of state-of-the-art imaging technologies, expert specialized surgical care and a mature patient navigation process.

Again, while keeping our focus on what matters most to cancer patients and their families, we have continued to strive to be more accountable, accessible, and aligned with our patients and their referring physicians. The MemorialCare Cancer Institute at Orange Coast Medical Center has delivered on these requests over the past year with the following service offerings, performance outcomes, and strategic initiatives:

- Ongoing distribution of funds to support select patient needs from our March for Hope funds
- Delivery of individualized Survivorship Care Plans and ongoing resources to support cancer patients on their unique journeys
- More engagement and participation by physicians in research protocols and accrual of patients to clinical trials
- Active participation by Cancer Institute leadership in supporting restructuring of Research Administration to build a more robust Research function for MemorialCare Health System
- Launch of the Orange Coast Medical Center Research Project Evaluation Committee (OCM R-PEC) that is chaired by our Director, Oncology Programs and includes a multidisciplinary team of representatives throughout the medical center
- Successful re-accreditation of the Breast Center as a designated program, with a 3-Year Full Accreditation, by the National Accreditation Program for Breast Centers (NAPBC)
- Orange Coast Medical Center was designated as a Lung Cancer Center of Excellence by the American College of Radiology (ACR)
- The Cancer Institute has continued its successful implementation of the Commission on Cancer (CoC) Rapid Quality Reporting System (RQRS) since its initiation in 2014
- The Bonnie J. Addario Lung Cancer Foundation designated the program a Community Center of Excellence and elected to partner with the MemorialCare Orange Coast Medical Center Cancer Institute to conduct clinical research
- The cancer program received 3-year Commission on Cancer (CoC) full accreditation in 2017

In conclusion, I would like to thank all the individuals employed at MemorialCare who are involved in the success of our cancer program, including the active members of the Cancer Committee, the interested and involved physicians and nurses, and all ancillary departments. We all recognize that our patients only deserve the best!

With Thanks, Jack F. Jacoub, M.D.

**Orange Coast Medical Center
Cancer Institute - 2017 Cancer Committee Members**

Thomas Asciuto, MD

*Pulmonary Medicine
Medical Director, Critical Care
and Pulmonary Services*

Suzette Bosveld, NP

Pain and Palliative Care Services

Cindy Callaghan

*Director, Imaging Services and
Breast Center*

Lynne Daniels, LCSW

*Oncology Psychosocial
Coordinator*

John Fenger, PT

*Manager, Rehabilitation
Services*

Asif Harsolia, MD

Radiation Oncology

Rebecca Haskins, LCGC

Genetic Counselor

Stan Hill, PharmD

Director, Pharmacy

Rosemary Holtzman, MBA

*Manager, Patient Safety &
Infection Control*

Erin Hotra-Shinn

*Vice President, Strategy &
Business Development*

Julio Ibarra, MD

*Emeritus Chair,
Cancer Committee
Medical Director, Laboratory
and Pathology*

Jack Jacoub, MD

*Cancer Committee Chair
Medical Director, Oncology
Program*

Jamie Jernigan, CTR

Cancer Registrar Coordinator

Jane Kakkis, MD

*Medical Director, Breast Surgery
General Surgery*

Samer Kanaan, MD

Thoracic Surgery

**Shela Kaneshiro, MBA, RN,
CPHQ**

*Vice President of Nursing
Chief Nursing Officer*

Barbara Kingsbury, RN

Oncology Nurse Educator

Marie M. La Fargue, MPH

Director, Oncology Programs

Melanie Leach, RT

Breast Center Coordinator

Margaret McDuffee, LCGC

Genetic Counselor

Ashley Millhouse

*American Cancer Society,
Senior Manager, Hospital
Systems*

Jenny Mendola, MSN, RN, OCN,

NE-BC, *Director, Oncology
Services, Social Services, Case
Management*

Melanie Nall, CCRP, PhD

*Director, Clinical Research
Operations, MemorialCare*

Bichlien Nguyen, MD

Medical Oncology

Joanne O'Heany

*Director, American Cancer
Society Information Center*

Robin Phillips, RN, MSN, BSN

Nurse Navigator

Ajmel Puthawala, MD

Radiation Oncology

Emily Randle

*Chief Operating
Officer*

Kelly Francis, MD

General Surgery

Richard Reitherman, MD

*Medical Director, Breast Center
Imaging*

Homayoon Sanati, MD

*Medical Director, Breast Center
Medical Director, Palliative Care
Program*

Suellen Skow

*Administrative Assistant 1,
Oncology*

Collin Vu, MD

*Cancer Liaison Physician
Medical Oncologist*

Richard Wasley, MD

*Medical Director Radiology
Chair, QA/QI Committee*

A Message from Director of Oncology Programs

The fragile nature of the lives our cancer patients face was brought home in a personal manner with the loss of the director of the MemorialCare Cancer Institute at Orange Coast, Marie La Fargue. Her legacy of patient advocacy and exemplary quality in patient care can be best honored by the Oncology team's unwavering perseverance and commitment to achieving the patient-centric, quality improvement goals established, and continuing to challenge ourselves to move the bar to yet a higher level.

Thanks to the dedication of our interdisciplinary team under the direction of the Oncology Program Medical Director, Dr. Jack Jacoub, there is less variability in the manner in which patients are treated based on evidence-based best practices in the areas of pathology, imaging, surgery, screening, genetic counseling, patient navigation and participation in clinical trials.

The social determinants of health such as family support, housing, transportation needs, and financial stability to name but a few, are considered in development of the patient's care plan and prompted the hospital's participation in the County of Orange Whole Person Care Pilot. Hundreds of patients have been served through this pilot at Orange Coast Medical Center, some of whom have been oncology patients at risk for, or struggling with homelessness. Through this program, we've been able to assist some oncology patients with community resources in the areas of long-term housing, recuperative care, basic needs assistance and follow-up medical and mental health support.

With an emphasis on cancer prevention and community learning, our team has been active in numerous screening and educational events in partnership with our physicians and respected organizations such as the Komen Foundation, American Cancer Society, Vietnamese American Cancer Foundation and The Green Foundation. Towards the goal of reaching both the healthy and the "survivors" in our community, events such as the annual Orange Coast Fall Festival For Life are offered free of charge, providing cancer screenings in the areas of skin, breast, prostate and colorectal.

An additional important partnership was established during the year with the achievement of the Addario Lung Cancer Foundation Center of Excellence designation. In recognition of the coordinated, multi-disciplinary care offered at Orange Coast, this national non-profit organization and their research consortium, ALCMI, is partnering with our lung cancer team in the areas of early detection, quality care, advancing treatment options and continued patient support and education. Through the steadfast dedication of our RN patient navigator, primary care physician and patient awareness of the importance of low-dose CT lung cancer screenings has increased, resulting in the identification of lung cancer in asymptomatic patients at a rate which exceeds the national average. Improved success with early identification has offered encouragement to our patients and team that subsequent treatment will offer a positive outcome.

Orange Coast Medical Center
Cancer Program & Services

There's much yet to be accomplished, but we remain inspired by the year's achievements and the challenges and opportunities the coming year will bring. To quote Marie, "Our team provides a haven of hope and resources along the continuum of care to ensure that each survivor thrives with an optimal quality of life."

In partnership,

Erin Hotra-Shinn and Jenny Mendola
Interim Oncology Program Directors

Cancer Liaison Physician Report
Collin Vu, MD

The role of the Cancer Liaison Physician is to spearhead Commission on Cancer (CoC) initiatives within Orange Coast Medical Center's cancer program; collaborate with national agencies, such as the American Cancer Society, the Addario Foundation and various community-based organizations; and facilitate quality improvement initiatives building upon data submitted to the Commission on Cancer's National Cancer Database. Our efforts are a reflection and extension of Orange Coast Medical Center's Community Health Needs Assessment and synergistically align with the goals of our interdisciplinary team of physicians and ancillary members who comprise our cancer program committees. These dedicated physicians and allied health professionals collaborate to find strategies to eliminate cancer and reduce the burden that it places on our patients, their loved ones, and our diverse communities.

Through the development of cancer committee standards with the assistance of Orange Coast Medical Center clinical staff leaders and regular evaluation of program clinical results, we ensure that the outcomes for our patient community meets or exceeds the recognized outcomes data both regionally and nationally. It is the intent that any deviations in such matters can be addressed in a positive manner with both the clinical needs of our patients and professional duties of our physicians in mind. In this way we can ensure that we are offering our patient community the superior level of care which they should come to expect and receive.

Orange Coast Medical Center
Cancer Program & Services

Prevention and Early Detection through Education and Screening:

Our strong commitment and effectiveness are evident in the following schedule of events:

COMMUNITY OUTREACH & EDUCATION

Who	What	When/Where	Outcome
Dr. Asif Harsolia Dr. Julio Ibarra Dr. Jane Kakkis Dr. Bichlien Nguyen Rebecca Haskins, MS, LCGC Dr. Richard Reitherman Dr. Homayoon Sanati	Komen Education Seminar Lecture Series	January 26 th 6:00-8:00 p.m. OCMC Conference Room A	40 attendees
Barbara Kingsbury, RN	Oncology: Journal Club: "Workplace Violence"	January, 2017 Oncology Nursing Lounge	11 attendees

Who	What	When/Where	Outcome
Dr. Melanie Goldfarb	Grand Rounds: "Thyroid Cancer"	February 2, 2017 12:30-1:30 p.m. South Conference Room	28 physicians 36 attendees
Robin Philips, MSN	Freedom from Smoking: "Sail Away from Smoking Towards Health"	February 2017	6 attendees-2 smoke- free by class completion
Barbara Kingsbury, RN	Oncology: Journal Club: "Bedside Report"	February 2017	9 attendees
VACF/ACS	Colorectal Cancer lecture and screening	February 12, 2017 OCMC Conference Room A	155 attendees; 81 FIT kits returned; 13 positive for FOB <u>FOLLOW-UP RESULTS FOR POSITIVE FIT KIT TESTING (2015-2017):</u> Received a f/u colonoscopy=26%; Hemorrhoids=5% Will f/u with PCP=15%. Scheduled a colonoscopy=5%; Followed up with PCP (no concerns) =13%; Unable to connect (left messages, contact information not accurate/current) =36%

Orange Coast Medical Center Cancer Program & Services

The GREEN Fndtn. Dr. Sanati-Breast Cancer, Dr. Pasha-Prostate Cancer	2017 ActNOW Conference-Cancer in the African American Community	February 25 th , 2017 10:00 a.m.-3:00 p.m. CSU-Fullerton	95 attendees
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Who	What	When/Where	Outcomes
Cancer Institute Community Advisory Council	Fundraiser for Cancer Patient Services "March for Hope"	March 12 th , 2017 11:00 a.m. Center Club–Costa Mesa, CA	230 attendees
Barbara Kingsbury, RN	Journal Club: Cognitive Rehabilitation for the Cancer Patient	March 9, 2016 11:30 a.m.	11 attendees
Dr. Gary Cole	Oncology Grand Rounds "Melanoma"	March 2017 12:30-1:30 p.m. South Conference Room	26 physicians 14 attendees
Dr. BichLien Nguyen	Clinical Breast Exams and Education	March 26, 2017	80 attendees for the lecture and 78 screened
M. La Fargue, MPH	ACS/California Colorectal Cancer Roundtable (CCCR)-Annual Meeting	March 22, 2017	300 attendees
M. La Fargue, MPH	ACS/Orange County Regional Council	March 28, 2017 7:30 p.m.	ACS Update; planning collaborative community initiatives

Who	What	When/Where	Outcomes
Interdisciplinary Cancer Institute Team	Bonnie J. Addario Foundation Site Visit Survey for Center of Excellence (COE)	May 19, 2017 8:00 a.m. – 5:00 p.m. OCMMC Cancer Institute	OCM designated as an ALCF Community Hospital COE
M. La Fargue, MPH	Performance Improvement and Patient Safety (PIPS) Committee-Annual Cancer Program Update presentation	May 23, 2017 12:00-1:30 p.m. Health and Wellness Pavilion	Program update outcomes and future direction presented to department managers
Barbara Kingsbury, RN	Lateral Violence in Nursing	May 25, 2017	10 attendees

**Orange Coast Medical Center
Cancer Program & Services**

Who	What	When/Where	Outcomes
Dr. Homayoon Sanati and Rebecca Haskins, Genetic Counselor	Grand Rounds: "The Benefits of Genetic Counseling"	June 8 th , 2017 12:30 South Conference Room	21 physicians 24 attendees
Dr. Tien Nguyen	Skin Screening Event	June 11, 2017 8 a.m.-2 p.m. OCMC-Infusion Center	87 screenings 12 with positive findings
R. Philips, MSN R. Haskins, LCGC M. La Fargue, MPH	Annual OCM Medical Staff Dinner Meeting	June 14, 2017 6:00 p.m. Mile Square Golf Course	Medical staff updates/shared information about LDCT screening and Genetic counseling
Dr. Ashkan Farhadi Robin Philips, MSN	"Saving Lives-Colorectal Screening"	June 15, 2017 4:00-5:30 p.m. Health and Wellness Pavilion	45 attendees

Who	What	When/Where	Outcomes
Dr. BichLien Nguyen	Clinical Breast Exams and Education	July 16, 2017 OCMMC Infusion Center	68 attendees 47 normal 19 abnormal 1 malignant 1 suspicious of malignancy
Robin Philips, MSN	Freedom from Smoking: "Sail Away from Smoking towards Health"	July 2017	6 attendees 2 smoke-free by class completion
Dr. Alexandra Levine	Grand Rounds: "Human Papillomavirus (HPV) Related Cancers"	July 13, 2017 South Conference Room 12:30-1:30 p.m. OCMMC	30 physicians 4 attendees

Who	What	When/Where	Outcomes
Dr. Samer Kanaan Robin Philips, MSN	Lung Cancer and Early Detection	September 6, 2017 MCMG-18035 Brookhurst Ave, F.V., CA	15 attendees
Dr. Tam Le	Hepatitis B and C	September 10, 2017	142 attendees 140 screened Hep B + 6 Hep6 + 3
Dr. Samer Kanaan	Grand Rounds: Lung Cancer Update	September 14, 2017 South Conference Room	24 physicians 8 attendees

Who	What	When/Where	Outcomes
Robin Philips, MSN	Podcast: Low Dose CT Lung Screening	August 21, 2017	54 views
Dr. Samer Kanaan	Community Lecture: "What's New in Lung Cancer Treatment?"	August 9 th , 2017 4:00PM-5:30 p.m. Health and Wellness Pavilion	13 attendees
Dr. Thomas Asciuto Dr. Samarjit Singh Marie La Fargue, MPH	Lung Cancer Lecture "Lung Health"	August 18, 2017 MCMG/Warner	20 attendees

**Orange Coast Medical Center
Cancer Program & Services**

Robin Philips, MSN			
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Who	What	When/Where	Outcomes
Dr. H. Sanati	MemorialCare Medical Group Grand Rounds: "The Benefits of Genetic Counseling"	October 10, 2017 6:30 p.m. 18035 Brookhurst St F. V., CA	16 physicians 1 attendee
Dr. Erin Yang	Grand Rounds "Intersecting Cancer and Cardiac Care the Rise of Cardio Oncology"	October 12, 2017 12:30-1:30 p.m.	24 physicians 7 other attendees

Who	What	When/Where	Outcomes
Dr. Richard Wasley Dr. Samarjit Singh Robin Philips, MSN	Low Dose CT Lung Screening	November 9, 2017 6:00-7:30 p.m. Health & Wellness Pavilion	20 physicians 8 attendees
Dr. Karen Lane	Grand Rounds "Breast Surgery Update	November 9, 2017 12:30-1:30 p.m.	24 physicians 30 attendees
OCMC Cancer Institute	Fall Festival for Life	November 4, 2017 18111 Brookhurst Ave Fountain Valley, CA	206 attendees

Survivorship Care and Patient Navigation Services

Our strong commitment to outreach and education are evident in the schedule of events for the MemorialCare Cancer Institute. Our interdisciplinary team has engaged and deployed our Community Advisory Council, patients, a special work group dedicated to survivorship care development, our medical champions, external oncology thought leaders, and community partners to help us prioritize our expertise, time, talents, and resources on what activities, services and programs will optimize the patient care experience.

While our active and effective treatment planning conferences have been a hallmark component of our effectiveness as a cancer program, navigation services have proven to be critical in improving the patient experience and outcomes—from the diagnosis and treatment of cancer to the ongoing (in some cases lifetime) surveillance and support offered after the completion of definitive treatment. In 2017, over 3,000 members of our community participated in monthly support group meetings and community outreach activities sponsored by Orange Coast Medical Center such as a 100-member MemorialCare team at the 2017 Susan G. Komen "Race for the Cure," our annual "Fall Festival for Life" health, and survivorship information and education fair that includes educational materials, "Ask The Expert" discussions, preventive screenings, and a day of fun-filled activities. We recognize that navigation to our high-quality services often begins in our extended reach—into diverse communities—to better educate patients about cancer prevention, treatment, and quality of life in survivorship.

Orange Coast Medical Center Cancer Program & Services

The following diagrams, graphs and poster (condensed from a poster session at the California Colorectal Cancer Roundtable), highlight the creativity, collaboration, cultural sensitivity, and consistently effective outcomes in utilizing navigation. Nurse, lay, and community-based patient navigation is utilized to provide wraparound care for two tumor type populations within our cancer program—lung and colon. The growth projections in Low-Dose CT Screenings, EBUS, and the Vietnamese population colorectal screenings are evidence of the impact of building upon interdisciplinary care, engaging well-trained volunteers (in non-clinical support), designing a map for coordinated cancer care, and understanding the power in truly collaborative partnerships.

Commission on Cancer (CoC) Accredited Cancer Program & National Cancer Database

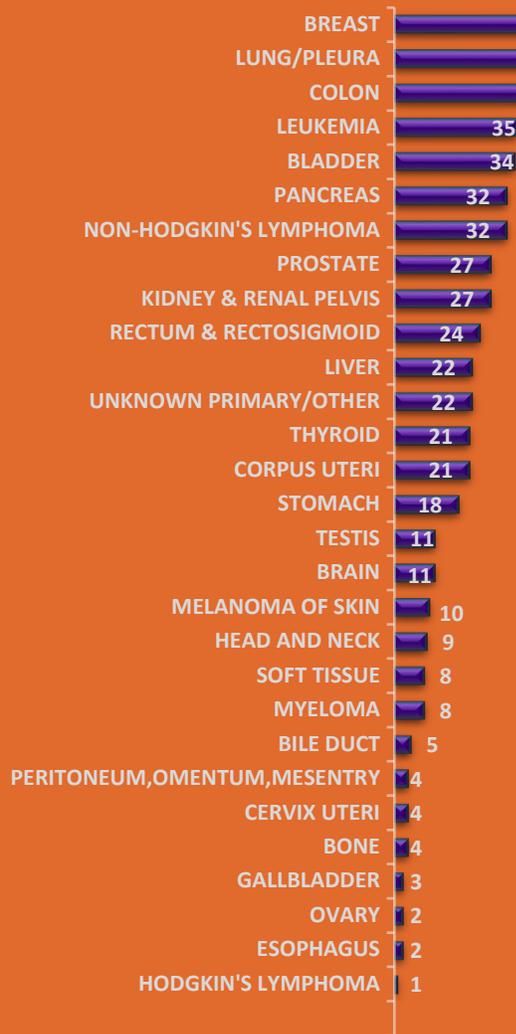
Cancer programs that are accredited by the Commission on Cancer submit cancer data to a National Cancer Data Base (NCDB). This process allows an organization to conduct the baseline for Performance Improvement initiatives by comparing its treatment of cancers by stage and site in line with national and state treatment averages. The NCDB has developed Cancer Program Practice Profile Reports (CP3R) that look at specific quality of care indicators for the major cancer sites.

In this year's report we chose to highlight the importance of prevention and navigation services because it can prove to be a key driver in improving better outcomes through education about preventive lifestyle changes, earlier detection, coordination of critical screening services, education to ensure compliance to treatment, reminders about surveillance, support in elimination of psychosocial barriers, facilitation to other necessary services such as genetic counseling, access to clinical trials, social services, and symptom management. In addition, partnering with community-based organizations can help to address challenges such as meeting the needs for culturally relevant services and navigation support beyond the walls of the medical center to ensure that patients do not fall between the gaps along the continuum of care. Also, over time the early and consistent intervention of nurses guiding supportive lay navigators will help the organization sail to a port of earlier detection rates and improved survival outcomes on our quest for enhanced quality of life.

Orange Coast Medical Center also participates in the Commission on Cancer's Rapid Quality Reporting System (RQRS). This system is a reporting and quality management tool that provides real clinic time assessment of hospital level adherence to National Quality Forum (NQF)-endorsed quality of cancer care measures for breast and colorectal cancers.

The Rapid Quality Reporting System was developed to assist Commission on Cancer accredited cancer programs in promoting evidenced-based cancer care at the local level. It is a web-based, systematic data collection and reporting system that advances evidenced-based treatment through a prospective alert system for anticipated care which supports care coordination required for breast and colorectal cancer patients in participating cancer programs.

OCMC Cancer Incidence by Primary Site



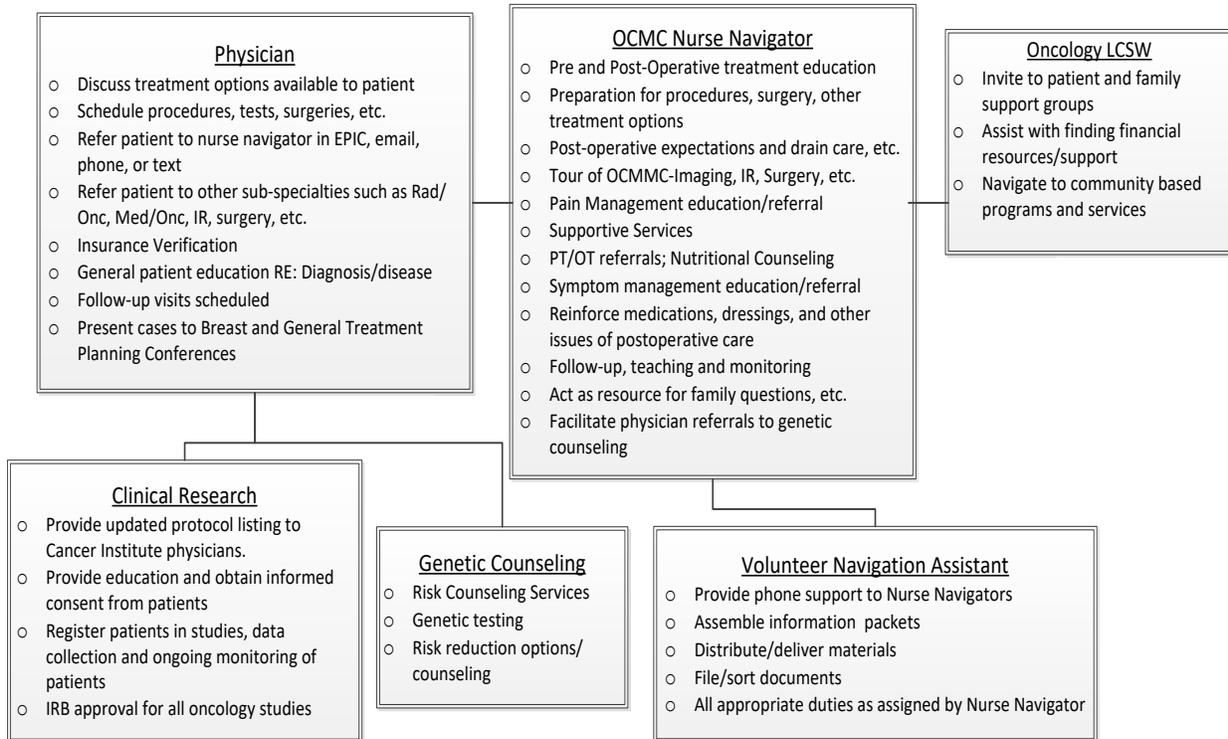
Cancer Registry Report

OCMC's Cancer Registry plays an important role in ongoing evaluation of cancer care. The Cancer Registry is a computerized data collection and analysis center that contributes to patient treatment planning, staging and continuity of care through data retrieval, annual analysis and long-term follow-up.

The OCMC Cancer Registry submits data monthly to the California Cancer Registry for incidence reporting and cancer control data is also submitted to the Commission on Cancer for the National Cancer Database.

Orange Coast Medical Center Cancer Program & Services

Oncology Patient Navigation Process



“Nurse Navigation assistants are the vital seeds for future nursing gardens. Each assistant who comes to our Cancer Institute will plant a new, diverse, and brilliant contribution to our blooming garden of nurse navigation services.” ~ Marie M. La Fargue, MPH, Director, Oncology Programs

Orange Coast Medical Center
Cancer Program & Services



Volunteer Nurse Navigation Assistant Program



“March for Hope”—Cancer fundraiser

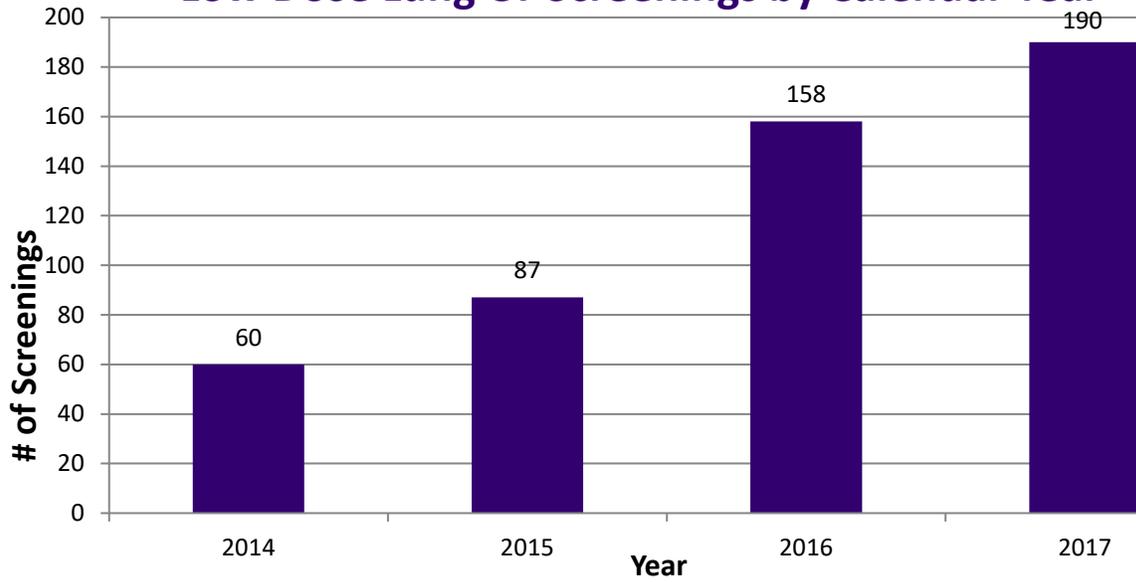


Daisy Honoree-Nursing Award-Oncology Program



Bonnie J. Addario Foundation-Orange Coast Medical Center Lung Cancer Center of Excellence Designation- June 2017

Low Dose Lung CT Screenings by Calendar Year



Building a Case for Community Collaboration Hospitals/Health Systems

**Exceptional People.
Extraordinary Care.
Every Time.**

**MemorialCare
iABC's**

**Integrity
Accountability
Best Practices
Compassion
Synergy**

Strategic Pyramid

- Market Differentiation & Growth: "The reward"
- Quality & Value / Financial Resilience: "The results of our hard and focused work"
- Physicians As Partners / Governance & Leadership / People & Culture: "The absolute foundation of our success"

- Community Benefit and Business Case Submitted and Approved by Oncology Business Development Team
- Demographics
- Screening Rates
- Analytic Colorectal Cases-Tumor Registry
- GI Cancer Profitability Performance
- Clinical Outcomes—CP3R Data

Fliers (English and Vietnamese)

Alignment through highlighting strengths

- Clinical Excellence
- Cultural Competency
- Collaborative Community Participation
- Compassion
- Cost Effectiveness
- Care Coordination through Trust and Mutual Respect

Four Key Messages

- Do not duplicate efforts where there is proven strength.
- Savings in human and financial capital when aligned.
- Model is applicable to other tumor sites, markets and special populations.
- Cultural competency holds the same value as clinical excellence when reaching underserved populations.

Opportunities

- Navigation support beyond the walls of the medical center
- Culturally relevant education and support can lead to greater compliance, less ER visits, less re-admissions, etc.

Outcomes

August 16, 2015

- 90 attendees
- 77 returned FIT kits
- 9 positive for Occult Blood

May 21, 2016

- 94 attended
- 72 returned FIT kits
- 9 positive for Occult Blood

February 12, 2017

- 155 attended
- 81 returned FIT kits
- 13 positive for Occult Blood

Orange Coast Medical Center Cancer Program & Services

Orange Coast Medical Center is a 218-bed, full-service hospital and the only nonprofit hospital in the Fountain Valley and Huntington Beach area.

As a member of MemorialCare Health System, we are committed to health care excellence through best practice, evidence-based medicine. Our physicians study the best practices in health care from around the country and implement them here, resulting in innovative and effective treatments for our patients.

MemorialCare Breast Center

The MemorialCare Breast Center is among the most highly regarded centers for breast care in the area. Our multidisciplinary team of acclaimed experts is completely dedicated to the prevention, early diagnosis and treatment of breast cancer.

Services offered at the Breast Center include:

- Digital screening and diagnostic mammogram, including 3D capability
- Ultrasound and biopsy procedures
- Breast MRI and MRI-guided biopsy
- Whole Breast Ultrasound Screening Program
- DEXA bone density testing
- Second-opinion evaluations
- Breast-dedicated Radiologist
- Psychosocial services
- Breast cancer support groups
- Multidisciplinary pre-treatment planning
- High Risk Breast MRI Screening Program
- Dedicated Breast patient navigator

Whether visiting our Breast Center for a routine mammogram or for more urgent needs, our patients find comfort in knowing they are supported by radiologists, pathologists, oncologists, surgeons, and allied health professionals who work side-by-side to provide comprehensive, coordinated care.

Our expert physician team remains current on research studies, treatment advances and quality of life enhancements for our patients. From digital mammograms and other diagnostic breast services like ultrasound, MRI and biopsy procedures to genetics, nutrition and psychosocial services, their primary focus is optimal individualized care for those with breast disease.

The MemorialCare Breast Center at Orange Coast also offers whole breast ultrasound. Women with dense breast tissue may have masses that cannot be detected by

mammography. Whole breast ultrasound can assist in diagnosing early breast cancer in these women and in women at elevated risk of developing breast cancer. Whole breast ultrasound images the entire breast volume unlike traditional hand-held ultrasound, which targets specific areas in a woman’s breast. Whole breast ultrasound uses no radiation and there is no compression. Whole breast ultrasound is complementary to mammography; it does not replace mammography.

Tomosynthesis 3D Mammography

Tomosynthesis (3D) mammography is the current state-of-the-art technology for imaging dense breasts. Tomosynthesis uses digital x-ray technology to capture multiple images of the entire breast from different angles to produce high-resolution, 3D images, enabling radiologists to “see through” the dense breast tissue and find cancer that may be hiding within it.

Tomosynthesis provides more accurate results with fewer false positives, thus lowering recalls while increasing cancer detection rates.

Orange County CyberKnife and Radiation Oncology Center

Radiation therapy has long been established as a highly effective method for limiting the growth of, or completely eliminating, cancer. Our experienced radiation oncologists use advanced robotic radiation therapy technologies designed to deliver precise treatment to tumors while conserving the healthy tissue surrounding them. Available services include:

- **Accuray® CyberKnife**, a noninvasive, state-of-the-art, robotic, radiosurgery system that involves no cutting. It targets cancerous and non-cancerous tumors anywhere in the body with submillimeter accuracy. This technology provides a pain-free, non-surgical option for patients who have inoperable or surgically complex tumors, or those who refuse surgery, as well as shorter treatment cycle than traditional radiation therapy. Physicians use SRS (stereotactic radiosurgery) or SBRT (stereotactic body radiotherapy) technique to eradicate tumors.
- **RapidArc® Linear Acclerator**, an innovative, fast and precise form of radiation therapy. Image-guidance improves tumor targeting and RapidArc provides a complete treatment in a single rotation of the machine around the patient, which takes less than two minutes. Using the system’s advanced mapping and planning technology, clinicians can deliver a precise radiation dose using IMRT technique that conforms to the shape of the tumor, thus reducing potential side effects.
- **High-Dose Rate (HDR) Brachytherapy**, an advanced form of internal radiotherapy. It places radiation inside a tumor, tightly focused within the site of the cancer. This

Orange Coast Medical Center Cancer Program & Services

technique ensures the maximum radiation dose is given where it is needed most. Brachytherapy often reduces the total treatment days. **Hyperthermia**, this is a specialized therapy that involves heating selected tumors using external energy sources (e.g., ultrasound, microwave, low energy radio frequency conduction) to generate heat to specific area of the body. The heat is focused on or around area of malignancy to increase the temperature of the tissue above normal body temperature. The increased temperature in a malignancy results in the increased death of cancer cells. Hyperthermia is used as an adjuvant to radiation therapy or chemotherapy.

Dedicated Oncology Inpatient Unit

Orange Coast Medical Center has a dedicated, 22-bed oncology unit staffed with highly trained and compassionate registered nurses – many of whom have been certified in oncology nursing by the Oncology Nursing Society (ONS). An integral part of our multidisciplinary treatment team at every stage of the disease process, these highly experienced oncology nurses provide care for symptom management and chemotherapy delivery. The unit has a dedicated clinical educator who provides oncology specific educational programs twice a year to help our new staff become familiar with all that our cancer program has to offer. The educator also conducts an oncology nursing journal club to help nurses stay current with advances in medical research and to bring the latest evidence based practices to the bedside. In addition, the educator provides ongoing education to our staff and patients. The unit also has a dedicated care manager who works closely with patients and their families to ensure all of their discharge needs are met. Additionally, a licensed clinical social worker and chaplain are available to address all patients' psychosocial and spiritual needs.

In 2017, the oncology unit participated in two (2) LEAN Rapid Process Improvement events that focused on the chemotherapy process and the discharge process to ensure ongoing patient safety and satisfaction. In addition, the oncology unit implemented a general inpatient hospice program in collaboration with MemorialCare Hospice and Palliative Care.

Outpatient Infusion Center

Our outpatient Infusion Center, located within the Patient Care Pavilion, provides one-to-one nursing care with our highly skilled and compassionate nursing staff. The Infusion Center provides patients with the utmost comfort and convenience from on-site registration to administration of chemotherapy and other transfusion services - all provided in our center by our caring staff. Our team includes highly-skilled infusion nurses certified in chemotherapy administration. The Infusion Center team works collaboratively with the nurse navigator, social worker, and chaplain to ensure that patients' physical, psychosocial and spiritual needs are met.

Orange Coast Medical Center Cancer Program & Services

Pain Management and Palliative Care

With quality of life being a major focus of our Cancer Program, there is "zero tolerance" for pain. Under the direction of pain management specialist, Medhat Mikhael, M.D., several methods, including medication and nerve blocks, are available to control pain and other side effects resulting from cancer treatment. Our oncology nursing staff is specially trained in managing our patients' pain and works closely with our physicians on pain management, including alternative management methods. Enhancing the quality of each patient's life is an important part of the care we provide. Our interdisciplinary palliative care team—including palliative care physicians, palliative care nurses, social workers, chaplains, and other specially trained professionals, supports patients/families by maximizing the comfort of our patients. Under the direction of Dr. Homayoon Sanati, and supported by our highly credentialed palliative care nurse practitioner, Suzette Bosveld, DNP, CCRN, CNS, FNP-BC, ACHPN, patients facing the physical symptoms and emotional distress related to the medical treatment they are receiving can find comfort in the care of our team while they are receiving primary or palliative treatment for their disease. Our Palliative Care team is available to patients at any time during their illness. Its availability does not depend on whether a patient's condition can be cured, or if death is imminent.

Outpatient Rehabilitation Center

Our full-service outpatient rehabilitation department occupies 3,500 square feet in the Patient Care Pavilion and has been equipped with the latest state-of-the-art equipment available.

Women and men diagnosed with cancer often undergo treatment including surgery, radiation therapy, and chemotherapy. In some cases, side effects from these treatments may include pain, limited mobility, decreased strength, swelling, and fatigue. Physical therapy interventions beneficial in counteracting these side effects may include:

- **Postural awareness** for retraining affected muscles and joints
- **Therapeutic exercises** to improve flexibility and strength in the involved area
- **Aerobic conditioning** to combat cancer related fatigue
- **Education** on skincare, scar management and safety during daily activities.

Lymphedema is an accumulation of lymphatic fluid that causes swelling, and can develop when the channels and ducts that transport lymph are missing, impaired, or damaged. Secondary lymphedema (acquired lymphedema) commonly occurs following surgeries that require the removal of lymph nodes. Lymphedema can develop immediately following surgery or months to years following cancer treatment. In addition to swelling, symptoms of lymphedema may include

a feeling of heaviness and tightness, skin changes, infection in the affected area, and cosmetic deformity.

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Although lymphedema is a chronic condition, specially trained physical therapists can provide invaluable rehabilitative care. Early intervention and learning lifelong management techniques are essential to allow patients to lead full, normal lives. Orange Coast Medical Center employs a comprehensive care approach that emphasizes the importance of the patient's understanding of the condition and treatment. In addition to learning about precautionary measures that reduce the risk of developing lymphedema, patients benefit from a rehabilitation program that increases range of motion, flexibility, strength, and endurance.

Lymphedema treatment may include:

- **Manual lymphatic drainage** to mobilize fluid and protein from an affected area by a non-invasive manual therapy technique.
- **Multi-layer bandaging** to reduce swelling and assist in softening of skin and tissue in a swollen limb
- **Therapeutic exercises** to improve lymph drainage through a program of flexibility, strength training and aerobic activities
- **Patient education** to allow patients to take control of their own lives. In addition to learning how to manage lymphedema at home, patients may receive guidance on specific questions from nutritionists, social workers, support groups, or other health professionals.
- **Compression garments** to help minimize swelling during daytime activities

Imaging and Radiology

Orange Coast Medical Center offers a wide array of diagnostic services. The Department of Radiology has a team of six fellowship-trained interventional radiologists capable of offering the complete gamut of interventional procedures necessary to support our cancer services program. These include image guided biopsy, port placement and tunneled drainage catheter insertion as well as oncologic interventions such as gold seed deployment, chemo embolization radiofrequency ablation and radioactive yttrium therapy.

These services are performed using a variety of state-of-the-art imaging methods and therapeutic treatments all in one convenient location by an expert team of radiologists and technologists.

Our 64 multi-slice CT scanner is a multi-channel spiral CT scanner, which is much faster than conventional single channel scanners, allowing imaging of the body within a single breath hold. This technology allows efficient appointment scheduling and helps us to ensure that our patients are treated in as timely a manner as possible. In addition, the 64 Multi-slice CT Scanner is specifically designed to minimize patient radiation exposure.

Imaging Services at Orange Coast Medical Center offers a variety of diagnostic and therapeutic services using many different imaging modalities.

Imaging services include:

- PET/CT Fusion Scan
- Computed Tomography (CT Scan)
- Diagnostic Radiology
- Interventional Radiology Procedures
- Magnetic Resonance Imaging (MRI)
- Nuclear Medicine
- Ultrasound

Treatments offered:

- Interventional Radiology
- Interventional Oncology
- Laser Vein Ablation (LVA)
- Uterine Fibroid Embolization

Pathology

The pathology group that serves Orange Coast Medical Center and Long Beach Medical Center is composed of 13 highly qualified professionals who have pursued subspecialties in areas such as breast, GYN, genitourinary, hematopathology, dermatopathology, thoracic oncology, gastrointestinal pathology, soft tissue tumors, neuropathology, blood banking, chemistry and microbiology. Several are board certified in cytopathology in addition to the general AP/CP board certification. State-of-the-art molecular testing is available through the group's expertise. Many of these professionals have reached academic levels recognized by their peers and have published scientific papers in peer reviewed journals, written book chapters, as well as participated in national and international symposia in their own sub-specialties. Two of the pathologists are on site at Orange Coast Medical Center every day, with immediate access to the expertise of the entire group.

Research

We believe clinical trials are the front line in the battle against cancer. Our physicians offer among the best and most innovative treatment options to our patients and are involved in more than 40 of the world's most promising research protocols. Our approach to research centers on clinical trials that offer the hope and promise of more effective patient care and outcomes, rehabilitation, quality of life, and healing. Through this collaboration, patients in our community have access to many of Orange County's top cancer specialists with more than 30 years of clinical research experience and completion of more than 500 clinical trials.

Cancer Risk & Prevention Program

Most cancers manifest without a known cause, but some are hereditary. Genetic counseling helps patients determine their risk for diseases that can be inherited, including colon, uterine, breast and ovarian cancer. Any family with a higher than expected number of cancer cases, regardless of the type, would benefit from having a formal "Hereditary Cancer Risk Assessment" consultation. To help you decide if genetic testing is appropriate, a genetic counselor analyzes family cancer patterns and environmental influences. Hereditary Cancer Risk Assessments are highly individualized. Patients receive an accurate assessment of personal genetic risk and an individualized plan for cancer screening, prevention, and surveillance. Counseling, Palliative Care, and psychosocial needs are also addressed to offer optimal treatment plans for patients.

Tumor Boards

Our physician team conducts weekly roundtable discussions designed to review cases and recommend individual treatment options for each patient. Committed to multidisciplinary pre-treatment planning, medical and radiation oncologists, surgeons, pathologists and radiologists are required attendees of these conferences. National Comprehensive Cancer Network (NCCN) practice guidelines, information on open clinical trials, and review and discussion of AJCC staging are included in case presentations. In addition, physical therapy, pain management, home health, nutritional counseling, palliative care, and psychosocial needs are addressed to offer the optimal treatment plans for patients.

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Breast Cancer Treatment Planning Conference
Every Wednesday at 12:30 p.m.

Neuro/Thoracic & General Tumor Board
Every Friday at Noon

*Please call the Cancer Registry to
schedule a patient for presentation.
(714) 378-7725*

Psychosocial Services

At Orange Coast Medical Center, we understand how a cancer diagnosis impacts every area of a patient's life. Under the direction of a professional licensed clinical social worker, we assist patients and their families with the emotional effects of cancer diagnosis and treatment. Individual and family counseling, group support, and referrals to appropriate community resources are provided according to each patient's particular needs.

Support Groups include:

- **The Journey** support group for women at any stage of the cancer experience, female family members and friends.
- **Prostate Cancer Support Group** provides supportive discussion and educational information for prostate cancer patients, family members and friends.
- **Smoking Cessation Classes** provide patients with techniques and support in their effort to quit smoking.
- **Bereavement/Transitions** provides support to adults who have recently lost a loved one to cancer.
- **Yoga:** Yoga instruction is provided free-of-charge.

American Cancer Society Information

MemorialCare Cancer Institute enjoys a collaborative partnership with the American Cancer Society. The American Cancer Society Information Center has been on the campus of Orange Coast Medical Center since April 2006. The Information Center is located on the fourth floor of the Patient Care Pavilion on the Orange Coast Medical Center campus. Staffed with trained

volunteers, the center provides extensive information and education about cancer prevention, early detection, treatment alternatives and advances in research. A tremendous resource for patients, family members and healthcare professionals, the center is open to the general public. During 2017, information, resources and support were accessed by approximately 3,525 individuals. The Wig Bank, located within the Information Center, is available to anyone who has experienced hair loss as a result of cancer treatment. In addition, the Center offers “Marti’s Closet” which houses blouses, shirts, and other button down/snap clothing items to assist cancer patients with difficulty getting dressed and breast prosthesis for those patients who are uninsured. Resources are provided to patients who are receiving inpatient treatment.

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In Honor and Memory of Marie La Fargue, MPH, Director, Oncology Program

This year's program endeavors, accomplishments and proud moments are dedicated to the Director of Oncology-MemorialCare Cancer Institute-Orange Coast Medical Center

In the three years Marie worked at Orange Coast Medical Center, she left an indelible mark on the Cancer program she managed and all who worked with her. Marie was a tireless advocate for patients and her team, and was responsible for elevating the stature of the Cancer Program at Orange Coast Medical Center. Under her leadership, Orange Coast Medical Center achieved the Addario Lung Cancer Foundation Center of Excellence designation, and among many other activities, including coordinating physician CME lectures on various aspects of the Cancer program, research, outreach and patient experience. A few of the many thoughts her colleagues have shared: "She was always a shining light and someone who had a way of always seeing the best in others and in difficult situations. We admired her and loved her compassion and tenacity. Her professional commitment to Orange Coast Medical Center and our cancer programs was unconditional. Marie was a gentle light, and a beacon of hope an inspiration whose smile brightened our lives." Marie we will miss you and we will carry on with the great work you started and we will always remember that, **"Team Work Makes the Dream Work."**

2017 message from Marie:

"I am proud to lead such a dynamic, passionate, and dedicated team. Many thanks to all of you for staying in step with me—and also marching to the beat of your own drum—which brings together all of the creative energy and talents that make our team so uniquely gifted!" ~Marie

