



Ranked One of America's Top 50
Hospitals by Healthgrades



2018 Leavey Cancer Center Annual Report

For the Year 2017

Enjoy More Fun

Greetings from the Medical Director & Chairman

We're pleased to present you with the 2018 Leavey Cancer Center Annual Report. The following pages detail our cancer-fighting efforts based on 2017 statistical data, with a special emphasis on colorectal cancer following a change in the American Cancer Society's screening guidelines.

The expanded, award-winning Thomas & Dorothy Leavey Cancer Center boasts the most comprehensive, technologically advanced treatments in the San Fernando Valley. We are the first in the Valley to offer the most sophisticated cancer-fighting equipment, including the Revolution Evolution 128-Slice CT scanner, da Vinci Single Incision Robotic-Assisted Surgery and Trilogy Radiation Therapy.

In addition, the Harold & Carole Pump Department of Radiation Oncology offers state-of-the-art high-dose radiation treatments that avoid damaging healthy tissue and successfully treat all stages of cancer. Many cancer physicians at Dignity Health - Northridge Hospital are affiliated with UCLA, giving us a wide range of clinical expertise and cancer-fighting know-how.

We offer the most appropriate treatments for:

- Brain & Spine Cancer
- Gynecological Cancer
- Lymphoma & Leukemia
- Breast Cancer
- Liver & Pancreatic Cancer
- Prostate Cancer
- Colorectal Cancer
- Lung Cancer
- Skin Cancer

To foster a healing environment, the Center features a meditation garden and sanctuaries for rest and reflection. We offer entertainment and Wi-Fi access. Patients also have access to:

- Personal Navigators for Guidance
- Massage Therapy
- Spiritual Care Support

This 2018 annual report is a product of the efforts of many professionals who have contributed their expertise and energy to the improvement of cancer care in our community. Please enjoy this comprehensive report and feel free to contact us for more information on cancer services for you or your patients.

Sincerely,



A blue ink handwritten signature of Ronald Tang, DO.

Ronald Tang, DO
Medical Director
Thomas & Dorothy Leavey
Cancer Center



A blue ink handwritten signature of Afshin Safa, MD.

Afshin Safa, MD
Chairman, Cancer Committee
Medical Director
Radiation Oncology

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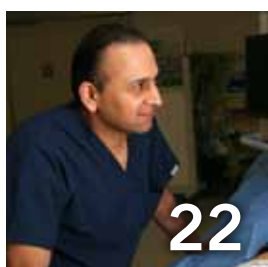
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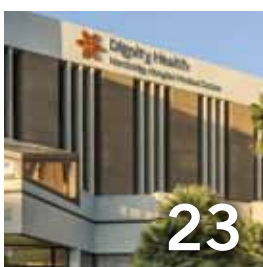
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Awards & Accreditations

The Leavey Cancer Center has earned two esteemed accreditations from the Association of Community Cancer Centers and the American College of Surgeons. Only 25% of hospitals nationwide have received the prestigious American College of Surgeons accreditation.



Dignity Health - Northridge Hospital has earned the National Gold Seal of Approval from The Joint Commission.



Ranked One of America's Top 50 Hospitals by Healthgrades

America's 50 Best Hospitals is Healthgrades highest distinction, placing Northridge Hospital in the top 1% of hospitals in the nation for providing overall clinical excellence. We received this honor by exhibiting exceptional, comprehensive and consistent quality care year over year. Simply put, patients are more likely to have a successful treatment without major complications—and an increased chance of survival—at America's 50 Best Hospitals.

Our Mission

Dignity Health - Northridge Hospital Medical Center is dedicated to developing healthier communities by assuring access and facilitating compassionate quality health care service with a commitment to clinical and service excellence provided by caring professionals who respect the dignity of each individual.

Our Core Values

Dignity, Collaboration, Justice, Stewardship and Excellence

Cancer Center Patient & Family Advisory Council

The Cancer Center Patient & Family Advisory Council is a team of staff members, patients and families whose purpose is to:

- ✓ Improve the patient experience based on feedback from the Council.
- ✓ Assist the Cancer Center Staff with a better understanding of unique cultural traditions, values and lifestyles.
- ✓ Allow patients and families to provide input on Cancer Center services and how to better involve the patient/family in the care process.



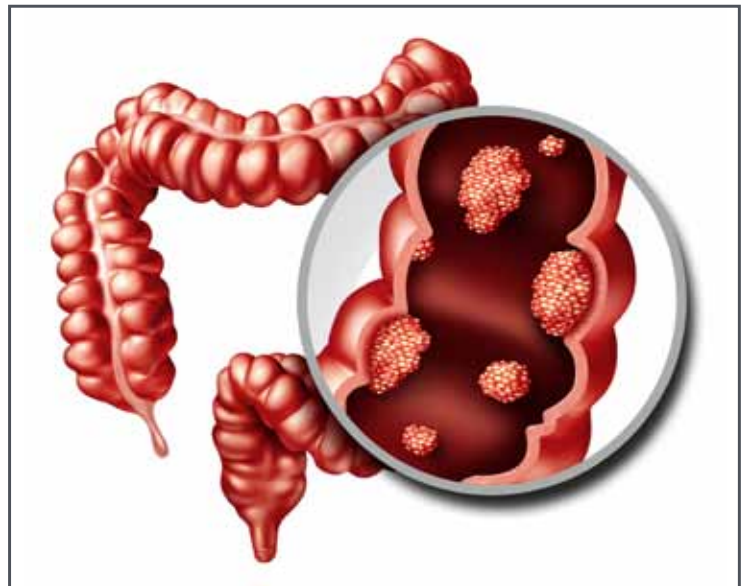
Gustavo Machicado, MD
Medical Director,
GI Endoscopy Unit



Fighting Colorectal Cancer with New Screening Guidelines

Colorectal cancer starts in the colon or rectum. It's the third most common cancer diagnosed in both men and women. There have been an estimated 150,000 new cases of colon cancer diagnosed in 2018 and unfortunately, there were an estimated 50,000 deaths this year.

The disease has gained national headlines over the years when it claimed the lives of entertainers, including Farrah Fawcett, Milton Berle and Audrey Hepburn. But with stricter screening guidelines and more advanced technology, the Leavey Cancer Center at Dignity Health - Northridge Hospital strives to identify colorectal cancer in its earliest stages and provide state-of-the-art treatment and mitigation of the disease.



In 2018, the American Cancer Society (ACS) released new guidelines that recommend average-risk adults begin regular screening at age 45 and again every 10 years until age 75. For high-risk adults, a consultation with a gastroenterologist is recommended. Testing may be performed with either a high-sensitivity stool-based test or a visual exam.

As a part of the screening process, all positive results on non-colonoscopy screening tests should be followed up with a timely colonoscopy. At Northridge Hospital, we provide the most advanced care for the diagnosis and treatment of colorectal diseases. Our team of experts provides a multidisciplinary approach to ensure each patient receives comprehensive care, treatment plans and access to the most advanced diagnostic and therapeutic alternatives available. If needed, surgery, including minimally invasive procedures, can offer long-term relief and at times, a shorter recovery.

For added support, we take a team approach to patient care, which includes a Clinical Navigator and Supportive Care Team who provide an individualized plan of care to guide patients through their experience. Individual patient evaluation and treatment plans are coordinated with multiple specialists and ancillary care providers, as needed. Our team also includes the staff at Northridge Hospital, which has been recognized nationally for their dedication to providing exceptional nursing and patient care.

The Leavey Cancer Center is optimistic that the ACS's stricter screening guidelines, combined with our long history of success at fighting colorectal cancer, will result in a decrease in the prevalence of this disease.

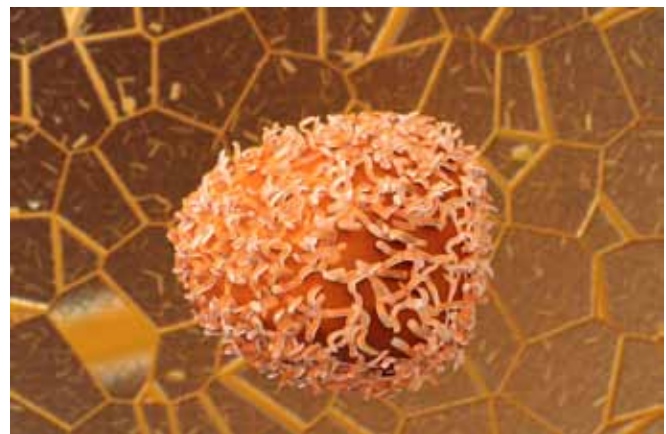


Ronald Tang, DO
Medical Director,
Leavey Cancer Center

Advanced Treatments and Care for Colorectal Cancer

Screening Recommendations

The shift in screening guidelines with the American Cancer Society recommending colorectal cancer screenings to start at the age of 45 is due to recent findings that colon cancer has a 50% increased incidence in patients under the age of 50 since 1994. The reason for the increased incidence in patients under the age of 50 is unclear but studies are underway. Risk factors for colorectal cancer include smoking, increased alcohol intake, intestinal inflammatory disease, polyps and a diet consisting of red meat with low fiber intake.

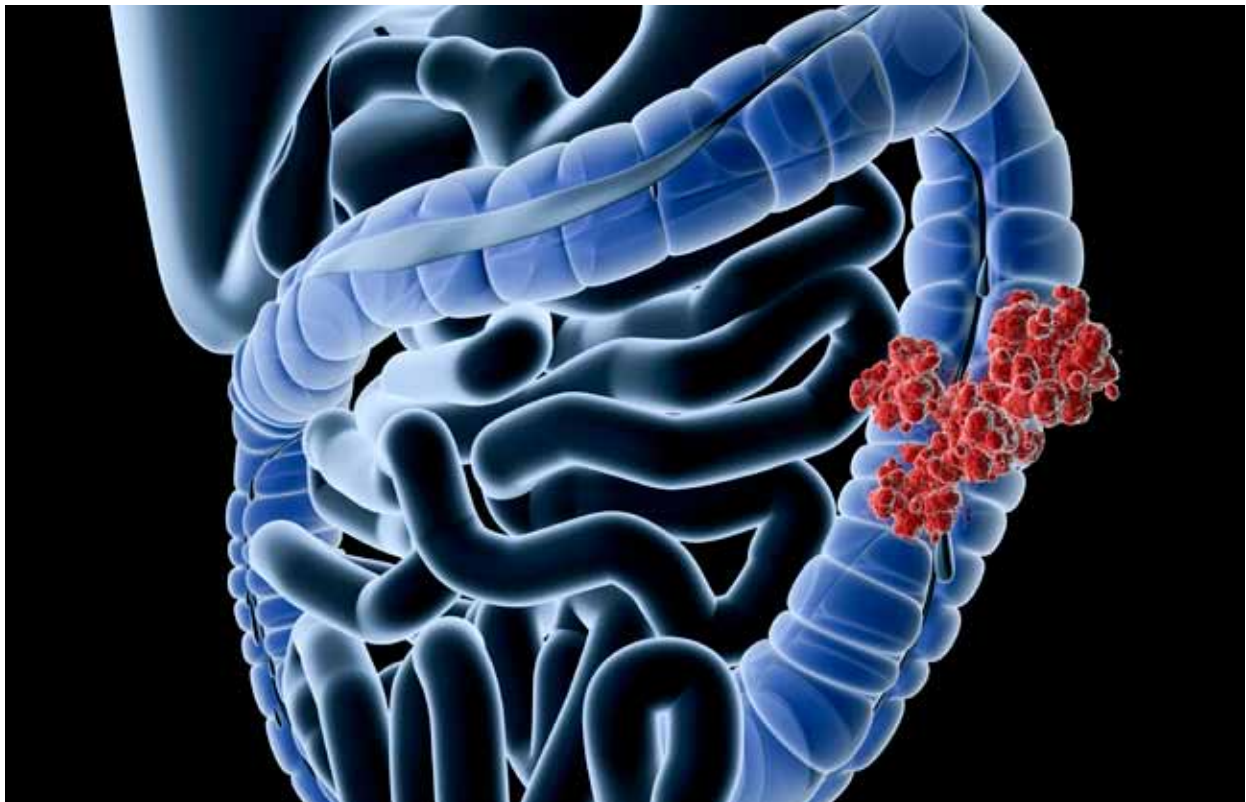


It is important to recognize that colon cancer starts from a small benign outgrowth of the colon surface called a polyp. These polyps can be excised and removed during colonoscopy, which prevent cancer transformation and growth. Screening methods include fecal occult blood testing, sigmoidoscopy or colonoscopy.

Treatment Options

The mainstay treatment of colon cancer, if diagnosed at an early stage, is surgical resection. Surgical resection involves removing the area where the cancer is located. It includes extra margins to ensure complete resection along with a removal of at least 12 lymph nodes. Colorectal cancer staging is quite unique as it is not based on the size of the tumor, but instead on how deep it penetrates the colon. If there are no lymph nodes involved upon resection, patients can proceed to active surveillance, which includes colonoscopies, blood tests and CT scans.

Patients, who unfortunately have lymph node involvement upon resection, will need to have adjuvant chemotherapy (therapy after surgery) in order to reduce the risk of colorectal cancer recurrence. Lymph node involvement portends worse prognosis as this indicates that microscopic cancer cells may have escaped into the blood through the lymph nodes. Chemotherapy serves to circulate through the blood in order to kill these microscopic cancer cells. The usual time of chemotherapy is six months. However, there are certain low-risk patients who may only need three months of chemotherapy. The chemotherapy regimen that has been very successful in reducing the risk of recurrent colon cancer is called FOLFOX. The active agents in FOLFOX include 5-Fluorouracil, Oxaliplatin and Leukovorin.



Unfortunately, there may be some colon cancer patients who present with stage IV metastatic disease where the cancer has spread from the colon to another part of the body. Although these patients are incurable, it does not mean that they are not treatable. There have been novel agents developed in colon cancer for these patients, which has increased their overall survival. An immunotherapy agent called Nivolumab has been used to treat stage IV colon cancer patients who have aggressive disease due to mismatch repair mutations that are generally found in familial cancer syndromes, such as Lynch Syndrome. Nivolumab's mechanism of action is different from traditional systemic chemotherapy agents in that it uses a patient's immune system to eradicate cancer cells. Nivolumab is one of the few drugs that have been approved in other cancer types, such as melanoma, lung cancer, head and neck cancer, bladder cancer and lymphoma. There are also oral agents that have been developed over the past two years for stage IV colon cancer, which include Regorafenib and Trifluridine/Tipiracil, that offer the convenience and better tolerability for this patient population.

In conclusion, the key weapon against colon cancer is prevention by following appropriate screening guidelines and recognizing concerning symptoms and thus, proceeding with key diagnostic procedures, such as colonoscopy, sigmoidoscopy or fecal occult blood testing. It is definitely worthwhile for patients to discuss their colon health on an annual basis with their primary care provider beginning at age 45.





Afshin Safa, MD
Medical Director,
Radiation Oncology

Patient-Focused and Multidisciplinary Treatment Care for Colorectal Cancer

As with most cancer treatments at Northridge Hospital, a multidisciplinary approach is the foundation of optimal clinical decision making. Medical oncologists collaborate closely with colorectal cancer surgeons, gastroenterologists, radiologists, radiation oncologists, pathologists and other experts. In addition, a multidisciplinary Tumor Board reviews colorectal cancer cases to determine the best course of treatment. For added comfort, a dedicated Nurse Navigator facilitates the patient's appointments with the specialists, coordinates diagnostic tests and provides psychosocial support to improve the overall patient experience.

Surgery is the mainstay of treatment for colorectal cancers, which can be done alone or with radiation, chemotherapy or a combination of all three. The Leavey Cancer Center has excellent outcomes in each of these modalities. See chart on page 9.



Multimodality Approach to Colorectal Cancer Treatment

While the recommended surgical approach for colon cancer is an en-bloc resection (colectomy) and removal of at least 12 regional lymph nodes, the extent of colon resection is dependent upon the location of the tumor and patient status. In addition to the state-of-the-art open procedures, the surgeons also perform laparoscopic-assisted colorectal cancer surgery, which is associated with a faster recovery and shorter hospital stay. Transanal endoscopic microsurgery (TEMS) and transrectal ultrasound is performed by a colorectal surgeon for diagnosis, staging and treatment of rectal cancer.

Medical oncology options for treating colorectal cancer include chemotherapy, targeted therapy as well as clinical trials with treatment tailored to each patient's situation, including factors such as tumor size and location, disease spread, patient age, health and preferences. Postoperative chemotherapy is recommended in patients under 80 whose cancer has spread to the lymph nodes (stage III) to decrease the risk of future recurrence.

Treatment for rectal cancer may include chemotherapy and radiation therapy before surgery is performed (neoadjuvant therapy). The addition of radiation therapy for rectal cancer has shown to prevent cancer recurrence significantly. Modern radiation therapy techniques, such as Intensity Modulated Radiation Therapy (IMRT) and Image Guided Radiation Therapy (IGRT), can significantly improve the patient's quality of life by sparing normal tissues and decreasing the side effects of radiation treatments.

After completion of treatments, the hospital's Survivorship Program provides patients with survivorship care plans that include a hospital's record of the cancer history, treatments provided, need for future checkups and tests, possible long-term effects of treatment and recommendations for maintaining general good health.

At the Leavey Cancer Center, we compare our performance in treating colorectal cancer against other hospitals that are accredited by the Commission on Cancer (CoC). The performance measures for colorectal cancer in the Clinical Practice Profile Reports for surgical removal of lymph nodes, adjuvant chemotherapy and preoperative chemotherapy and radiation for rectal cancer are within the CoC expected performance rates.

The Leavey Cancer Center has achieved 100% compliance in all three measures as compared to the national average of 89-91% for other CoC-accredited programs.

	My Program	My State (CA)	My Census Region (Pacific)	My ACS Division (California)	My CoC Program Type (CCCP)	All CoC Programs
Performance Rate	100 %	81 %	84.6 %	81 %	88.5 %	89 %
Denominator	3	707	1088	707	4641	9921
95 % CI	(100.0,100.0)	(78.1,83.9)	(82.5,86.7)	(78.1,83.9)	(87.6,89.4)	(88.4,89.6)

Adjuvant chemotherapy is recommended or administered within 4 months (120 days) of diagnosis for patients under the age of 80 with AJCC Stage III (lymph node positive) colon cancer. (CP3R data as of 1/13/2017)

	My Program	My State (CA)	My Census Region (Pacific)	My ACS Division (California)	My CoC Program Type (CCCP)	All CoC Programs
Performance Rate	100 %	89.8 %	91 %	89.8 %	90.7 %	91.2 %
Denominator	17	2785	4423	2785	19578	39856
95 % CI	(100.0,100.0)	(88.7,90.9)	(90.2,91.8)	(88.7,90.9)	(90.3,91.1)	(90.9,91.5)

At least 12 regional lymph nodes are removed and pathologically examined for resected colon cancer. (CP3R data as of 1/13/2017)

	My Program	My State (CA)	My Census Region (Pacific)	My ACS Division (California)	My CoC Program Type (CCCP)	All CoC Programs
Performance Rate	100 %	87.3 %	88.6 %	87.3 %	87.1 %	88 %
Denominator	2	432	736	432	2633	6206
95 % CI	(100.0,100.0)	(84.2,90.4)	(86.3,90.9)	(84.2,90.4)	(85.8,88.4)	(87.2,88.8)

Preop CT & RT for clin AJCC T3N0, T4N0, or Stage III; or Postop CT & RT within 180 days of diagnosis for clin AJCC T1-2N0 with path AJCC T3N0, T4N0, or Stage III; or recommended; for patients < age 80 resected rectal cancer. (CP3R data as of 1/13/2017)

Carole Pump Women's Center

The Carole Pump Women's Center offers women the most advanced diagnostic and treatment services at every stage of life, from reproductive to menopausal years. Our woman-sensitive approach to treatment is provided in a supportive, healing environment. Women receive personalized care from a team of female OB-GYNs.

Online Mammogram Scheduling

The Women's Center offers online mammogram scheduling via InQuicker*. Convenient scheduling helps promote early detection of breast cancer using digital mammography. Women simply log onto dignityhlth.org/2IxIS00 and schedule a mammogram at a time that is convenient for them.

Top Technology

To successfully treat female cancers, we offer an impressive variety of advanced radiation technology that precisely delivers high doses of radiation while sparing healthy tissue.

- Intensity Modulated Radiation Therapy (IMRT)
- Image Guided Radiation Treatment (IGRT)

For gynecological cancer, we also offer da Vinci Si (Single Incision) Robotic-Assisted Surgery. It helps physicians perform precise and accurate laparoscopic surgery through incisions the size of a dime.

**InQuicker should not be used for life-threatening emergencies or children under the age of 3. Call 911 immediately for more serious conditions.*

Women treat women at the Center: (L-R)
Paniz Heidari, DO; Lisbeth Chang, MD;
Neda Ballon-Reyes, MD; and Green Hsueh, MD





Cancer Center Staff Teams Up to Match Massage Grant

Massage for Cancer Patients

The Angie's Spa Cancer Foundation is named after Angie Levy, a young cancer patient who succumbed to her disease after a decade-long battle. The organization provides free in-hospital massages for patients undergoing chemotherapy, radiation and surgery at the Leavey Cancer Center. The massages are proven to decrease stress and alleviate some side effects of treatment. Northridge Hospital is privileged to be one of only six hospitals in the nation selected by the Angie's Spa Cancer Foundation to receive funding to provide free in-hospital massages.

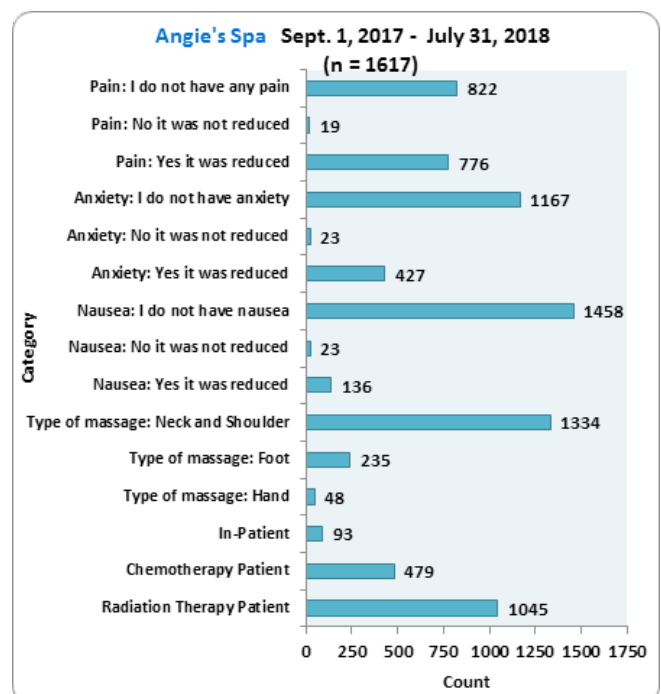
In 2017, the Northridge Hospital Foundation received a continuing grant of \$38,000 from Angie's Spa. In addition, Angie's Spa provided a Matching Grant of up to \$2,000. A Matching Grant is a gift made with the specification that the amount donated must be matched by the organization.

Motivated by this challenge, the Leavey Cancer Center Staff and patients held a bake sale to raise matching

funds totaling \$3,003. We also received a grant from the Vons Foundation for \$1,500 and we were given other private donations and tributes totaling \$600. This ensured that Northridge Hospital exceeded the challenge by raising \$5,103 for a combined total of \$45,110—enough to fund 1,804 patient massages.

CANCER PATIENT MASSAGE SURVEY

Respondents undergoing cancer treatment show that Angie's Spa massages alleviate pain and symptoms.



Progressive Treatment Options

1st in the Valley with Revolution Imaging



Northridge Hospital proudly unveils the new Revolution Evolution 128-Slice CT scanner. Commonly referred to as “Revo Evo”, it provides fast, high-resolution, low-dose images—even when performing advanced scans of the heart, traumatic injuries or pediatric patients. In fact, Revo Evo’s image clarity is improved by up to 100% over previous GE® CT scanners, resulting in a quick, accurate diagnosis for all of our patients.

Revolution Evolution 128-Slice CT Scanner

- Reduces dose by up to 82% in routine imaging for all exams and all patients.
- Capability of scanning a chest in as fast as two seconds with shortened patient breath-holds.
- Obtains diagnostic image quality with reduced noise and improved contrast resolution.
- Reconstructs up to 55 images per second with acquisitions up to 175 mm per second (so speedy, it’s ideal for pediatric patients).
- Scans trauma and vascular images quickly and catches arterial phase enhancement easily without sacrificing image quality.

- Provides high-level care to oncology and chronic disease patients who require multiple scans or frequent follow-up.
- Performs complex cardiac procedures, including coronary CTA and TAVI planning.
- Images patients weighing up to 675 pounds.
- Performs more studies in less time and manages patient flow up to 40% more efficiently.

Additional advanced imaging services include:

- PET/CT
- Digital Mammography
- 64-Slice CT
- Triphasic CT Scanning
- Angiography



Green Hsueh, MD, Gynecology, with the da Vinci Si (Single incision) Robotic Surgical System

da Vinci Si Robotic Surgical System

The more refined da Vinci Si (Single incision) Robotic Surgical System allows physicians to perform a hysterectomy or a gallbladder removal (cholecystectomy) through one small incision in the bellybutton. da Vinci Si also allows physicians to perform prostatectomy and other urological and gynecological procedures through a few incisions the size of a dime. da Vinci Si's enhanced high-definition 3D vision and unparalleled precision enables surgeons to maneuver and control instruments in ways not humanly possible, which increases accuracy. Patient advantages include a shorter hospitalization, reduced pain, less scarring and a faster recovery.



Afshin Safa, MD, Radiation Oncologist, with the Trilogy

Trilogy Linear Accelerator System

For image-guided radiation therapy and radiosurgery, the Trilogy can treat cancer anywhere in the body by delivering a dose of radiation with pinpoint accuracy, resulting in completing treatment in three to five sessions.

Precise Radiation with Other Therapy, Including:

- Image Guided Radiation Therapy (IGRT)
- Intensity Modulated Radiation Therapy (IMRT)
- Brachytherapy
- Stereotactic Body Radiation Therapy



BrainLAB Image-Guided Navigation System

The BrainLAB is used for delicate surgery of head and neck cancers. The technology is similar to a vehicle's GPS system. It helps physicians prior to and during surgery to navigate the spine and brain with greater accuracy.

Chemotherapy

Innovative multimodality therapies offer patients the latest approaches, while minimizing side effects. We offer the most advanced methods of chemotherapy and hormonal therapy treatment in a comfortable lounge or infusion suites equipped with iPods and Wi-Fi for laptop access. For added patient convenience, we have increased the number of infusion chairs from 13 to 20 with increased chair space. We've also added an additional restroom, nutrition room and one private treatment room for higher acuity patients.



Promising Skin Cancer Treatment

The Harold & Carole Pump Department of Radiation Oncology offers the Leipzig Applicator—a new non-invasive treatment for skin cancer that can treat sites, which were previously difficult to treat, with external beam treatments. High Dose Rate (HDR) Brachytherapy is used to treat superficial skin cancers in just eight treatments during a three-week period. Each of these non-invasive treatments last less than 10 minutes and is very well tolerated with minimal side effects.



Pathology and Laboratory

The treatment of all cancer patients begins in the Pathology Department at Northridge Hospital. The pathologists are highly trained professionals with education from the City of Hope, UCLA and USC. Through the gross and microscopic examination of specimens and tissue from patients at Northridge Hospital, the pathologists determine the exact type and stage of all cancers. A careful and detailed report is written about each patient's specimen. This is communicated to the surgeons and oncologists so that a personalized treatment plan can be tailor made. This often involves the use of specialized molecular testing as well.



Supportive Services

Chronic Disease Transitional Care

Patients with chronic illnesses are supported from admission throughout the hospital stay and after discharge by a compassionate team, including the physician medical director, nurse practitioners, social workers and clinical pharmacists. For cancer patients, J. Gary Davidson, MD, is among the team that addresses physical, emotional, social, palliative and spiritual needs of patients/care partners. An individualized plan of care includes a home visit and follow-up phone calls for at least 30-90 days, helping to ensure follow up with physicians as well as appropriate use of medications and patient/family education regarding disease processes.

Jeremy Grosser, MD

Medical Director
Chronic Disease
Transitional Care



J. Gary Davidson, MD

Chronic Disease
Transitional Care



Chapel

A nurturing and peaceful place for silence, reflection or prayer.

Electronic Health Records

Dignity Health - Northridge Hospital uses the Cerner electronic health record (EHR) system. Our EHR represents a framework for standardizing best medical practices across Dignity Health to empower medical practitioners to optimize patient care. In addition, the Medical Radiation and Surgical Oncology Departments are film-free and paper-free.

Learning Library

Located in the Cancer Center Lobby, free information is provided on a wide range of cancer topics.

Healing Garden

A relaxing place for patients and visitors to sit and enjoy nature.

Look Good, Feel Better

Classes to enhance cancer patients' appearance with make-up and wigs are coordinated by the American Cancer Society.

Massage Therapy

Angie's Spa provides free in-hospital massages for cancer patients undergoing chemotherapy, radiation and surgery.



Pain Program

Ensures that patients who have pain are identified and treated quickly and effectively.



Pet Therapy

Special therapy dogs visit patients to help alleviate pain and reduce stress.

Social Services

Addresses the unique needs of cancer patients beyond their physical concerns to include psychosocial, psychological and social support.

Spiritual Care

Honors patients' faith, beliefs and values and provides spiritual support to ease the stress of coping with cancer.



Support Groups and Cancer Education

Provides opportunities to share and learn from others in similar situations.

- **Breast Cancer Support Group**
- **Cancer Education Classes**
- **Bereavement Program** - Supports patients and families through a compassionate, multi-faith Spiritual Care Program.



Partnerships with Outstanding Organizations

- **American Cancer Society** - Collaborates with the Leavey Cancer Center to provide additional free, supportive services, education and assistance to our patients.
- **Wellness Community** - Offers a free, professional program of emotional support, education and hope.

Celebrating Survivorship

Follow-up care and the transition from active treatment to post-treatment care is critical to the long-term health of survivors. Therefore, with funding from the Hearst Foundation and the Harold & Carole Pump Foundation, the Leavey Cancer Center purchased specialized survivor software. This program is now fully operational.

Key Survivor Care Software Features

- Clinical knowledge base that models industry guidelines for cancer survivorship.
- Productivity tools that give clinical staff more time to focus on providing care to survivors.
- Web-based portal that links each survivor to their care team.



Navigator Program

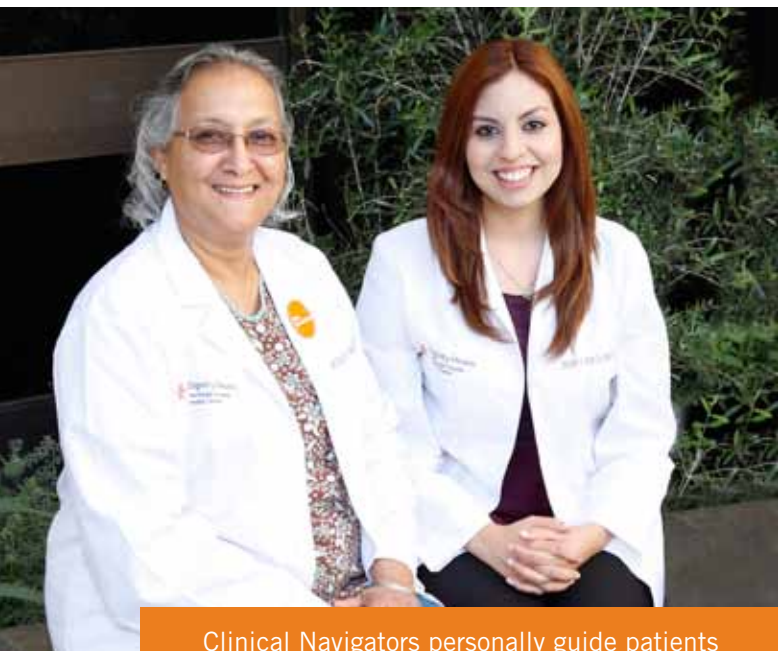
Navigator Programs are nationally recognized for increasing a cancer patient's chances for survival and quality of life. Northridge Hospital's patient-focused therapy begins with diagnosis and continues through treatment, remission and beyond. This is demonstrated by a total net community benefit for the Cancer Center of \$237,647 for Calendar Year 2017 that provided educational activities, free mammogram screenings, support groups and patient assistance. In 2006, the Leavey Cancer Center implemented the Navigator Program through a grant from the Avon Foundation for Women and began the Navigator Outreach Program with generous supplemental funding from the Harold & Carole Pump Foundation. It encompasses:

Harold & Carole Pump Foundation

Sponsored "Reaching Out" Screening Fairs – These events provide free mammograms to those who are uninsured.

Patient Advocate/Librarian

A part-time, bilingual Patient Advocate assists the Outreach Navigator with both outreach and inpatient needs, including assistance with transportation and home health issues. Moreover, the Patient Advocate assumes the role of Librarian, helping patients and families at the Cancer Center Library.



Clinical Navigators personally guide patients through treatment.



The Avon Foundation for Women awarded a \$100,000 grant in 2017 to our Navigator Program. This is the 10th grant received from the organization.

Navigator Program Community Outreach

The goal of this program is to educate the community about cancer awareness, ways to decrease risk factors and specific cancer screening guidelines. The Outreach staff also alleviates barriers to care by enrolling those who are uninsured into the free mammogram screening program and providing assistance with obtaining health insurance. This program is also funded by the Leavey Cancer Center and the Harold & Carole Pump Foundation.

Community Group Outreach

This program has increased cancer awareness for 8,911 individuals in 73 different community groups. St. Finbar Church members, AIG organization's employees and CSUN students attending the Matador Madness event comprise a few of the community groups educated.

School Wellness

The Navigator Program has partnered with Northridge Hospital's School Wellness Initiative to educate parents of the program's students on screening guidelines and how to decrease cancer risk factors.

Support Groups

The Navigator Program provides a professional liaison for the cancer support groups at the hospital, which include Breast Cancer and Trigeminal Neuralgia. Approximately 20 patients attend per session.

Clinical Navigator

This is the patient's point-of-contact concierge for any issues or questions. As a resource for each patient's unique needs during treatment, patients can rely on their

Navigator whose role is to ensure a smooth transition among all hospital services by assisting with:

- Coordination of patient appointments with other specialists.
- Acquainting patients with all of our services, including our Oncology Unit, Thomas & Dorothy Leavey Cancer Center and the Carole Pump Women's Center.
- Pre-and post-operative surgery education.
- Connecting patients and families with psychosocial support and groups, classes and programs.
- Enrolling patients in the Hospital's comprehensive Patient Orientation Program, "Navigating Through Your Cancer Journey."

Oncology Welcome Packages

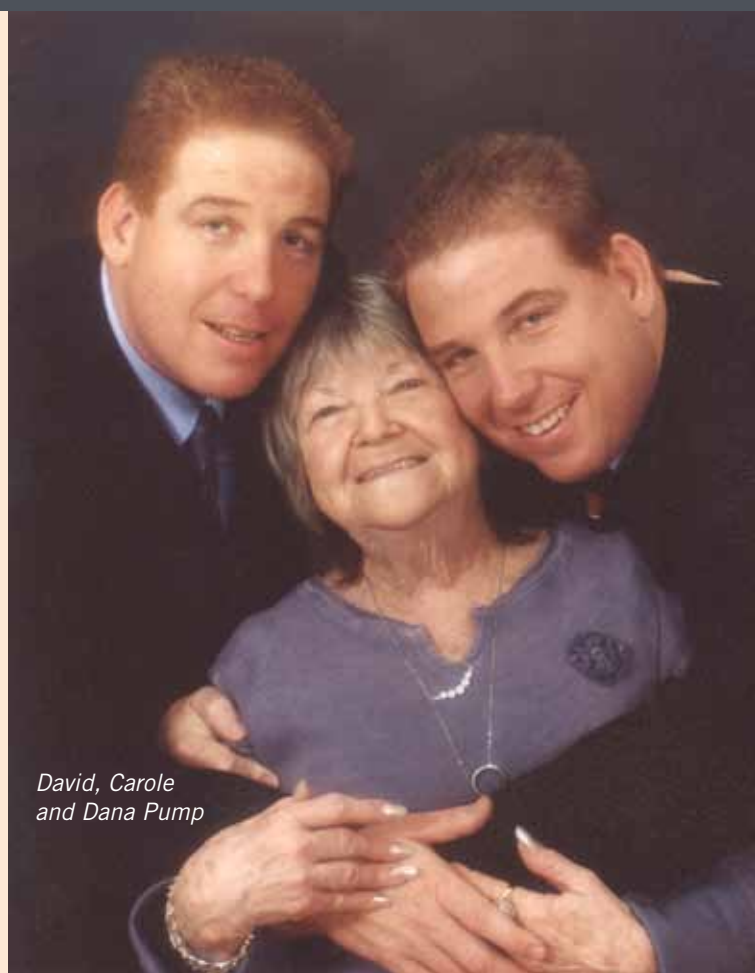
At their initial consult, patients receive a package designed to ease anxiety and provide comfort for common treatment side effects.



Harold & Carole Pump
FOUNDATION

Honoring Their Memory By Raising Money to Fight Cancer

The Harold & Carole Pump Foundation honors a beloved father who lost his battle with cancer in 2000 and a loving mother who passed away in 2012. Using their unique relationship-building talents and skills, their sons Dana and David Pump, working with Northridge Hospital Foundation, have raised more than \$8 million for the Carole Pump Women's Center, the Harold & Carole Pump Department of Radiation Oncology, the Thomas & Dorothy Leavey Cancer Center at Northridge Hospital and other non-profit community charities.



*David, Carole
and Dana Pump*

The mission of the Harold & Carole Pump Foundation is to raise funds and create awareness for the treatment and cure of cancer. By engaging the community, sports leaders and those touched by the disease, financial support is given to develop cancer treatments, programs and services and to obtain the most advanced medical technologies.



The Harold and Carole Pump Celebrity Dinner honored Rod Carew with the 2018 Lifetime of Achievement Award. From left to right: Dave Winfield, Al Downing, Dana Pump, Rod Carew, Bo Jackson, Scott Erikson and David Pump.

Education Saves Lives

The Outreach Program's staff attended 73 community events and educated 8,911 people on cancer awareness in 2017. This education was provided in English and Spanish. Northridge Hospital and the Harold & Carole Pump Foundation partnered with several community organizations to provide the vital outreach services listed below.

Harold & Carole Pump Foundation-Sponsored "Reaching Out" Screening Fairs

Educating community members about cancer prevention and early detection is vital to their health and can save lives. Thanks to the generosity of the Harold & Carole Pump Foundation, the Carole Pump Women's Center hosted 12 free health fairs for the uninsured in our community. "Reaching Out Health Fairs" attract hundreds of people, who receive free breast evaluations and screenings. Since prevention is key, attendees also learn how to decrease their chances of a cancer diagnosis.

In 2017, the Harold & Carole Pump Foundation provided 575 people with the following free health screenings:

- 369 mammograms
- 32 diagnostic mammograms
- 100 ultrasounds
- 12 ultrasound needle placements
- 12 biopsies
- 1 aspiration
- 49 follow-up consultations

As a result of the screenings and follow-up work, four positive breast cancer cases were diagnosed.

Family Plan – Support, Comfort and Home Health

The Family Plan Fund assists patients and their families with payment for services or equipment needs. Patients who are hospitalized or at home with a cancer diagnosis face many difficult hours filled with painful treatments, unpleasant side effects, invasive tests and much uncertainty. This is interspersed with periods of boredom, depression and fatigue—making it a very difficult time for the patient and their families.

Patient Home Aid

Provides funding for home care to families who wish to discharge their loved one and continue care in the comfort of their own home. Sponsored by Harold & Carole Pump Foundation's Family Fund, this program provided nearly 416 hours of service in 2017.



Transportation

For those lacking transportation to and from medical appointments and the Leavey Cancer Center, 2,835 rides were provided.

Advanced Technology

The Endoscopic Video System purchased by the Harold & Carole Pump Foundation is used for minimally invasive endoscopic procedures, which are far more beneficial to the patient than traditional open surgical approaches.

2017 NHMC Primary Site Table

SITE	Total	Sex		Stages						Not
	Analytic Cases	M	F	Stage 0	Stage I	Stage II	Stage III	Stage IV	Unknown	Applicable
ALL SITES	368	131	237	26	79	72	42	83	16	50
Head and Neck										
Tongue	7	5	2	0	0	1	2	4	0	0
Gum, other Mouth	1	1	0	0	0	0	0	1	0	0
Nasopharynx	1	1	0	0	0	1	0	0	0	0
Tonsil	2	1	1	0	0	0	0	2	0	0
Group Totals	11	8	3	0	0	2	2	7	0	0
Digestive System										
Esophagus	5	5	0	0	0	3	1	1	0	0
Stomach	12	5	7	0	1	1	2	5	3	0
Small Intestine	2	2	0	0	0	1	0	1	0	0
Cecum	6	2	4	0	0	1	4	1	0	0
Appendix	1	1	0	0	0	1	0	0	0	0
Ascending Colon	4	2	2	0	2	0	1	1	0	0
Transverse Colon	3	1	2	0	0	2	1	0	0	0
Descending Colon	1	0	1	0	0	0	0	1	0	0
Sigmoid Colon	6	5	1	0	0	0	2	4	0	0
Large Intestine, NOS	4	2	2	0	0	0	0	3	1	0
Rectosigmoid Junction	4	4	0	0	0	2	0	2	0	0
Rectum	10	7	3	0	0	3	3	3	1	0
Liver	4	3	1	0	2	1	0	0	0	1
Gallbladder	2	1	1	0	0	0	0	1	1	0
Other Biliary	1	0	1	0	0	0	0	1	0	0
Pancreas	8	4	4	0	1	1	0	6	0	0
Other Digestive Organs	2	1	1	0	0	0	0	0	0	2
Group Totals	75	45	30	0	6	16	14	30	6	3
Respiratory										
Lung and Bronchus	54	24	30	0	14	5	7	26	1	1
Group Totals	54	24	30	0	14	5	7	26	1	1
Skin										
Melanoma - Skin	1	1	0	0	0	0	0	1	0	0
Other Non-Epithel Skin	1	1	0	0	0	0	0	0	1	0
Group Totals	2	2	0	0	0	0	0	1	1	0
Breast	113	0	113	20	46	37	8	2	0	0
Female Genital System										
Corpus	13	0	13	1	5	2	3	0	2	0
Ovary	6	0	6	0	1	0	2	3	0	0
Other Female Genital	1	0	1	0	0	0	0	1	0	0
Group Totals	20	0	20	1	6	2	5	4	2	0
Male Genital System										
Prostate	6	6	0	0	0	3	2	1	0	0
Testis	2	2	0	0	0	0	1	0	1	0
Group Totals	8	8	0	0	0	3	3	1	1	0
Urinary System										
Bladder	10	9	1	5	1	2	1	1	0	0
Kidney, Renal Pelvis	6	2	4	0	1	2	1	2	0	0
Other Urinary Organs	1	1	0	0	0	0	0	0	0	1
Group Totals	17	12	5	5	2	4	2	3	0	1
Brain/Nervous System										
Brain	12	6	6	0	0	0	0	0	0	12
Other Nervous System	4	1	3	0	0	0	0	0	0	4
Group Totals	16	7	9	0	0	0	0	0	0	16
Thyroid/Endocrine										
Thyroid	9	2	7	0	2	1	0	4	2	0
Other Endocrine	3	3	0	0	0	0	0	0	0	3
Group Totals	12	5	7	0	2	1	0	4	2	3
Hemic and Lymphatic										
Hodgkin's, Nodal	1	0	1	0	1	0	0	0	0	0
Non-Hodgkin Lymphoma-Nodal	6	3	3	0	0	1	1	3	1	0
Non-Hodgkin's Extnl Nodal Lymphoma	6	1	5	0	2	1	0	1	2	0
Multiple Myeloma	3	1	2	0	0	0	0	0	0	3
Leukemia	13	9	4	0	0	0	0	0	0	13
Group Totals	29	14	15	0	3	2	1	4	3	16
Mesothelioma	1	1	0	0	0	0	0	1	0	0
Miscellaneous	10	5	5	0	0	0	0	0	0	10



Monthly Tumor Board Meeting

Oncology Conferences & Tumor Boards

Oncology Conferences are an opportunity for physicians to review and discuss treatment options available for specific malignant processes. The conferences are multidisciplinary and include physicians from Medical Oncology, Radiation Oncology, Surgery, Radiology and Pathology. Each case is reviewed for the medical history, physical findings, diagnostic imaging and therapeutic approaches. For each case presented, the conference focuses on pretreatment evaluation, clinical and pathological staging, new medications, clinical trials and National Comprehensive Cancer Care Network treatment guidelines.

Cases presented at the Oncology Conferences are at least 10% of the annual analytic cases accessioned into the Cancer Registry database and include cases from the five major sites seen at Northridge Hospital. At least 75% of the cases presented are required to be prospective. Prospective cases are defined as those that are presented at a time when management of the patient's disease process could be influenced by discussion. This includes newly diagnosed cases not yet treated; cases in which treatment has been initiated and additional treatment options may be needed; and cases of disease recurrence following completion of initial treatment.

In 2017, 34 Tumor Boards were held with all of the 156 case presentations being prospective cases.

The Cancer Registry monitors Oncology Conference activity and reports their findings to the Cancer Committee on an annual basis to ensure compliance with the American College of Surgeons cancer program standards.

Physicians are encouraged to contact the Cancer Registry at 818.885.8500, ext. 2835 or ext. 2833 to schedule case presentations for the following conferences:

Breast Conference:

2nd and 4th Thursday of each month

General Tumor Board:

3rd Thursday of each month

Head and Neck Tumor Board:

1st Thursday of every other month

Northridge Hospital Medical Center is accredited by the Institute for Medical Quality/California Medical Association (IMQ/CMA) to provide continuing medical education for physicians. Northridge Hospital Medical Center designates this live activity for a maximum of 1 AMA PRA Category 1 Credit(s)[™]. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Medical Oncology at the Thomas & Dorothy Leavey Cancer Center

In partnership with Dignity Health – Northridge Hospital, the Los Angeles Cancer Network provides compassionate individualized diagnosis, evaluation and treatment of all malignant disorders, including solid tumors and hematologic malignancies, and treats patients with the most current anti-cancer drugs and treatment protocols available. The Los Angeles Cancer Network physicians are board certified in Hematology and Oncology, and their distinguished affiliations include the Southern California Oncology Research Alliance (SCORA).

Boris Bagdasarian, DO

Internal Medicine,
Hematology, Medical Oncology,
Bone Marrow Transplantation



Nubar Boghossian, MD

Internal Medicine,
Hematology, Medical Oncology



Lasika C. Seneviratne, MD

Internal Medicine,
Hematology, Medical Oncology



Ronald Tang, DO

Internal Medicine,
Hematology, Medical Oncology



Jotika Thompson, MD

Internal Medicine,
Hematology, Medical Oncology



Radiation Oncology

The Harold & Carole Pump Department of Radiation Oncology is a comprehensive treatment center in the Valley that provides an impressive selection of advanced treatment options like Trilogy Body Radiation Therapy (SBRT), Intensity Modulated Radiation Therapy (IMRT), Image Guided Radiation Therapy (IGRT) and High Dose Rate Brachytherapy for all stages of cancer. The department is staffed by UCLA Department of Radiation Oncology physicians. This faculty is nationally recognized in radiation delivery to improve patient care and treatment outcomes. These physicians are also dedicated to delivering conscientious and compassionate care for our patients while offering attentive support to our patient's families.

Afshin Safa, MD

Medical Director,
Harold & Carole Pump Department
of Radiation Oncology



Surgeons

Northridge Hospital boasts outstanding surgical oncologists as well as specialized surgeons in thoracics, neurology and gynecology. Our surgical team provides patients with a range of options best suited to their individual needs. They are also extraordinarily precise in removing cancer while preserving as much normal tissue and function as possible. Studies show that, for many cancers, patients have fewer complications if their surgery is at a hospital performing a high volume of these operations and by a surgeon who has expertise in the procedure, like those found at Northridge Hospital.

Sub-Specialized Radiologists

Renaissance Imaging Medical Associates (RIMA) employs an extraordinary team of highly subspecialized radiologists. RIMA offers distributed subspecialty radiology services along the lines typically seen only in top academic radiology departments.



Anil Wadhvani, MD, Interventional Radiologist

Oncology Nursing

Specially trained oncology nurses provide the balance between innovative, expert treatment and personalized care. They stay abreast of the latest treatments and technologies through research, certification and life-long learning and maintain certifications in the implementation of specialized treatments such as chemotherapy, radiation therapy, IV therapy and blood transfusion. Many are certified specifically in oncology nursing.

Cancer Program Practice Profile Reports: Accountability Measures Ensure Quality of Care



Ronald Tang, DO
Cancer Liaison Physician

Accountability measures promote improvements in care delivery and are the highest standard for measurement.

An accountability measure is the standard of care derived from evidence-based data, including multiple randomized control trials. Dignity Health - Northridge Hospital Cancer Committee ensures the highest standards of cancer care by continually

monitoring compliance with these measures. Our cancer program met benchmark performance all applicable areas, including:

BREAST:

Radiation therapy is recommended or administered following any mastectomy within one year (365 days) of diagnosis of breast cancer for women with ≥ 4 positive regional lymph nodes [MAC].

The program maintained 100% in this area in 2013.



COLON:

At least 12 regional lymph nodes are removed and pathologically examined for resected colon cancer [12RLN].

The program achieved 88% for 2012, 89% in 2013 and 100% in 2014 (benchmark is 85%).

RECTAL:

Preoperative chemo and radiation are administered for clinical AJCC T3N0, T4N0 or Stage III; or Postoperative chemo and radiation are administered within 180 days of diagnosis for clinical AJCC T1-2N0 with pathologic AJCC T3N0, T4N0 or Stage III; or treatment is recommended; for patients under the age of 80 receiving resection for rectal cancer [RECTCT].

The program maintained 100% in this area in 2013 and 2014 (benchmark is 85%).

Cancer Committee Membership 2017

The membership of the Cancer Committee is multidisciplinary, representing physicians from the diagnostic and treatment specialties and non-physicians from Administrative and Supportive Services. Coordinators who are responsible for specific areas of program activity are designated by the membership.

Attendance requirement to be set by Cancer Committee Quorum Requirement: 7 voting members.

Physician Members

Afshin Safa, MD

Radiation Oncology, Cancer
Committee Chair

Uthaiah Kokkalera, MD

General Surgeon

Boris Bagdasarian, DO

Cancer Liaison Physician
Internal Medicine, Hematology,
Medical Oncology
Bone Marrow Transplantation
Leavey Cancer Center Medical Director

Ronald Tang, DO

Cancer Liaison Physician
Internal Medicine, Hematology,
Medical Oncology
Leavey Cancer Center Medical Director

Gary Davidson, MD

Cancer Registry Quality Coordinator
Hematology, Medical Oncology
Transitional Care Medical Director

Jeremy Grosser, MD

Internal Medicine, Pain Control
Transitional Care Medical Director

Kimberly Mislick, MD, PhD

Pathology and Laboratory Services,
Medical Director

Anil Wadhwani, MD

Diagnostic Radiology

Administrative Members

Philip Abraham

Chaplain, Manager Spiritual Care

Catherine Barbiera, RN, MSN, CNOR

Director, Pain Management,
Transitional Care

Nana Deeb

Chief Operating Officer/Cancer
Program Administrator

Jill Dickson, RN, OCN

Cancer Program Director/Cancer
Conference Coordinator

Sonja Flores, CTR

Certified Tumor Registrar

Holly Hessel-Altman, RN, BSN, MS, CPHQ

Senior Director, Quality

Lisa Lewis, RN, BSN

Manager, Quality

Autumn Hilger, RN, MBA

Clinical Director, Med/Surg,
Telemetry, Rehab, Dialysis

Debra Horwits, MSPT

Director, Rehabilitation

Susan Carr, MSPT

Manager, Rehabilitation Program

Joanne Jones

Cancer Registry

Deborah Kahn, RN, MSN

Clinical Manager, Acute Oncology
Orthopedics

Irene Tamayo

American Cancer Society

Roxanne Rahimi

Clinical Research Coordinator

Cheryl Lovett, RHIT

Director, Health Information Management

Cynthia Owens, LCSW

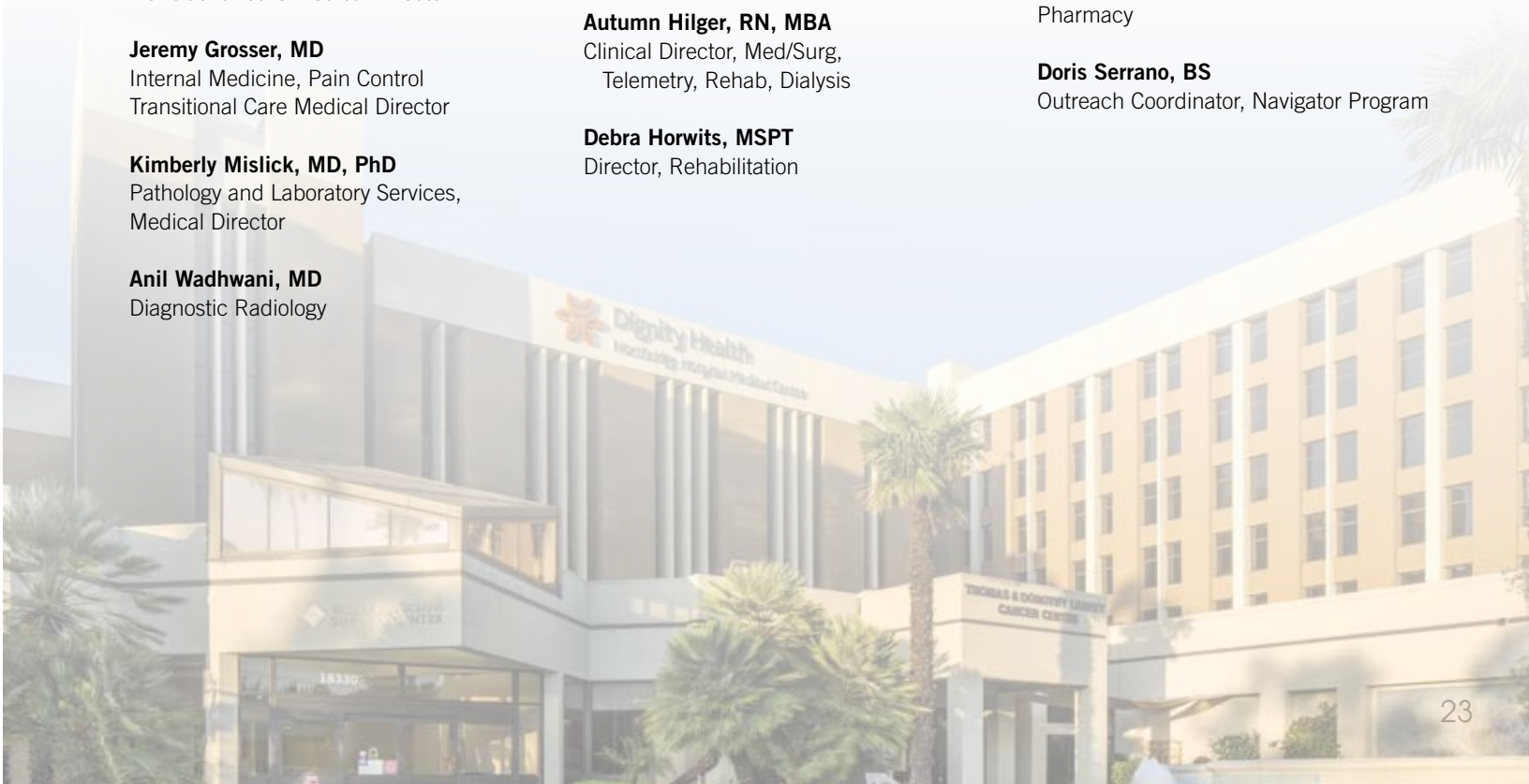
Psychosocial Services Coordinator
Social Services/Case Management

Robert Sakamoto, PharmD

Pharmacy

Doris Serrano, BS

Outreach Coordinator, Navigator Program

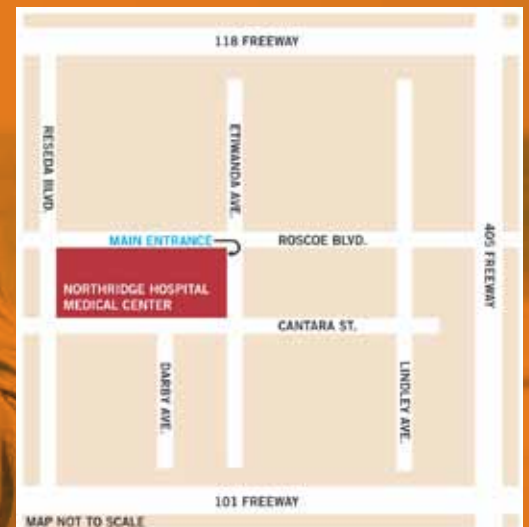


Thomas & Dorothy Leavey Cancer Center

3 Free Ways to Find-A-Cancer Doctor

1. Call 818.908.8677
2. dignityhealth.org/northridgehospital
3. [Healthgrades.com](https://www.healthgrades.com)

Free valet parking is available, enter by Leavey Cancer Center off of Roscoe Blvd.



Languages spoken: English, Spanish, Korean, Tagalog, Farsi, Arabic, Malayalam, Afrikaans, Urdu



18300 Roscoe Blvd.
Northridge, CA 91328

Main Hospital 818.885.8500
Leavey Cancer Center 818.885.5341