

## **HOAG CANCER CENTER: FACTS AND FIGURES**

The following is a brief list of the key facts and figures for Hoag Cancer Center:

### **GENERAL**

- Accredited by the Commission on Cancer of the American College of Surgeons as a Comprehensive Community Cancer Program
- Located in the city of Newport Beach, California, in Orange County, population **greater than** 3 million, (between San Diego and Los Angeles counties)
- Hoag Cancer Center operates under licenses of Hoag Memorial Hospital Presbyterian, a VHA not-for-profit, “non-teaching,” 498-bed community hospital. The Patty and George Hoag Cancer Center facility is connected to Hoag Hospital by tunnel.
- Number one cancer program in Orange County in terms of all admissions for cancer and almost all types of adult malignancy
- Largest cancer program in southern California outside Los Angeles County
- Excellent survival rates that have steadily improved, and are much higher than observed nationally

### **PATIENT CARE**

Facilities:

- 65,000 square foot 3-story facility that opened in 1991. This includes radiation oncology, medical oncology, patient education and support programs as well as a 30 chair/bed outpatient treatment clinic
- The hospital has a 33 bed inpatient oncology unit for cancer patients

Specialized Cancer Personnel:

- 35 medical oncologists
- 4 radiation oncologists
- 4 gynecologic oncologists
- High volume surgeons in breast, lung, colorectal, brain and thyroid cancers
- Oncology Nursing Society certified nurses in the inpatient unit and outpatient treatment clinic
- 2 Certified genetic counselors
- Site-specific nurse coordinators

Advanced Technology:

- Advanced breast imaging: digital mammography & MRI
- Linear accelerators, IMRT, Tomotherapy, Mammosite & other brachytherapy
- Da Vinci robotic surgery for prostate, gynecologic, and other cancers
- Video-Assisted Thoracoscopic Surgery
- Gamma Knife for brain tumors
- PET, CT, invasive radiology
- Laboratory support for stem cells

### **EDUCATION**

- Monthly cancer committee
- Weekly oncology education programs
- Weekly cancer case conferences (5 to 6)
- Variety of patient education programs
- Hereditary counseling & testing program

## RESEARCH

- Clinical trials evaluating cancer therapy and quality of life
- Longitudinal follow up through one of the largest cancer registries in California
- Cell biology laboratory providing bench-to-bedside patient specific therapies for selected cancers

## MILESTONES

1989

- Medical Oncologist/Hematologist Neil M. Barth, M.D. performs the first autologous bone marrow stem cell transplant and peripheral blood stem cell transplant at Hoag, which becomes the first bone marrow transplant program in Orange County
- Robert O. Dillman, M.D. arrives as Medical Director for Hoag Cancer Center and his landmark article on the potential use of monoclonal antibodies in the treatment of cancer is published in the *Annals of Internal Medicine*

1990

- Accredited as a Comprehensive Community Cancer Program by the Commission on Cancer of the American College of Surgeons
- Landmark publication on the value of adding chemotherapy to radiation therapy in the treatment of regionally advanced non-small cell lung cancer by Dillman, et al. published in the *New England Journal of Medicine*

1991

- Hoag Cancer Center listed in the “Top 100 Cancer Treatment Centers” by *Coping Magazine*
- Dr. Dillman becomes the first medical oncologist or hematologist in Orange County to be named one of *The Best Doctors in America* in national poll of physicians

1992

- Hoag data on use of PSA (prostate specific antigen) to screen for prostate cancer is presented at annual meeting of the American Society for Clinical Oncology by Dr. Dillman

1993

- Under direction of radiation oncologists Michael Shea, M.D., Hoag becomes the first center in Orange County to treat brain cancer patients with stereotactic radiation therapy, with a \$500,000 grant from the Keck foundation
- Article entitled “Inpatient Continuous Infusion Interleukin-2 in 788 Patients with Cancer” authored by Dillman et al, appears in *Cancer*

1994

- Hoag radiation oncologist Russell Hafer, MD, presents “Breast Conservation in Radiation Therapy for Primary Breast Cancer: Outcome Comparison to Mastectomy for 1980-1990” at the 17th Annual Breast Cancer Symposium in San Antonio, Texas

1995

- Dr. Barth performs 100th bone marrow transplant at Hoag
- Radiation Oncology Department celebrates 20th anniversary with activation of 3<sup>rd</sup> linear accelerator

1996

- Extensive national publicity ensues following publication of article entitled, “Improved survival after sequential chemotherapy-radiotherapy compared to radiation therapy alone in stage III non-small cell lung cancer: seven-year follow-up of CALGB 8433 trial” by Dillman, et al, in the *Journal of the National Cancer Institute*

1997

- Radiation oncologists Russell Hafer, M.D. and Craig Cox M.D. initiate radioactive seed implant brachytherapy radiation program for patients with localized prostate cancer
- Neurosurgeon Chris Duma, M.D. arrives as director of the Hoag/UCI gamma knife radiosurgery program

1998

- Hoag Cancer Center is the beneficiary of \$500,000 earmarked for research from the Senior PGA Toshiba tournament at Newport Beach Country Club

1999

- Dr. Dillman delivers education symposium lectures on monoclonal antibodies at 35th annual meeting of the American Society for Clinical Oncology (ASCO) in Atlanta, GA.

2000

- Dr. Dillman begins a 2-year term as 9th President of the Society for Biological Therapy

2001

- Genetic testing and counseling is added to the Hereditary Cancer Program

2002

- Dr. Dillman’s review article entitled “Radiolabeled Anti-CD20 Monoclonal Antibodies for the Treatment of B-Cell Lymphoma” published in the *Journal of Clinical Oncology*

2003

- “Intracavitary placement of lymphokine-activated killer (LAK) cells after resection of recurrent glioblastoma” presented by Dr. Dillman at the 39th Annual Meeting of the American Society of Clinical Oncology in Chicago, IL.

2004

- Dr. Dillman delivers several invited papers at international meetings, including: radioimmunotherapy of B cell lymphoma in Munich, Germany, monoclonal antibodies for treatment of B cell malignancies at the 10th Asian-Pacific Hematology meetings in Nagoya, Japan, and the plenary lecture at the 10<sup>th</sup>

International Meeting on Human Monoclonal Antibodies in Dublin, Ireland.

2005

- Tomotherapy unit opens in radiation oncology as well as MammoSite® high dose brachytherapy for radiation treatment after lumpectomy for breast cancer
- *Journal of Oncology Practice* publishes article by Dillman and Chico showing improved survival compared to benchmark prior to opening Hoag Cancer Center, and faster rate of increasing survival compared for Hoag cancer patients compared to national benchmarks; first study to show that a cancer center is associated with improved outcome for patients
- Hoag Breast Imaging Center opens after relocation to first floor of newly opened East Tower Women's Pavilion

2006

- Robert O. Dillman, M.D., Medical and Scientific Director of the Hoag Cancer Center, was named "Orange County Physician of the Year" by the Orange County Medical Association, and published in *Coast* magazine.
- Hoag Cancer Nurses host a 2-day conference "Embracing Excellence in Oncology Nursing Practice"
- Lung Cancer Early Detection Program is opened
- Hoag Cancer Center hosts the first ever county-wide community Lung Cancer Awareness Symposium

2007

- Hoag Cancer Center hosts the first Cancer Survivorship Symposium to be held in Orange County
- Rick Fischel, M.D., Ph.D., named Medical Director of Thoracic Oncology
- Hoag Cancer Center was awarded the Outstanding Achievement Award by the Commission on Cancer of the American College of Surgeons
- The latest model Gamma Knife Perfexion® went into service for the treatment of brain tumors.

2008

- Internationally renowned breast surgeon Melvin Silverstein, MD becomes Medical Director, Hoag Hospital Breast Care Center.
- Jeffrey Yoshida, MD a urologist with extensive experience in performing robotic prostatectomies becomes Associate Medical Director, Urologic Oncology.
- Robert O. Dillman, M.D., Medical and Scientific Director of the Hoag Cancer Center, was named the Grace E. Hoag Endowed Chair of Oncology, the first endowed chair position awarded by Hoag Hospital.
- The Advanced Technology Pavilion, housing the latest model Gamma Knife Perfexion®, PET/CT, and 3 Tesla MRI technology, open on the lower campus.