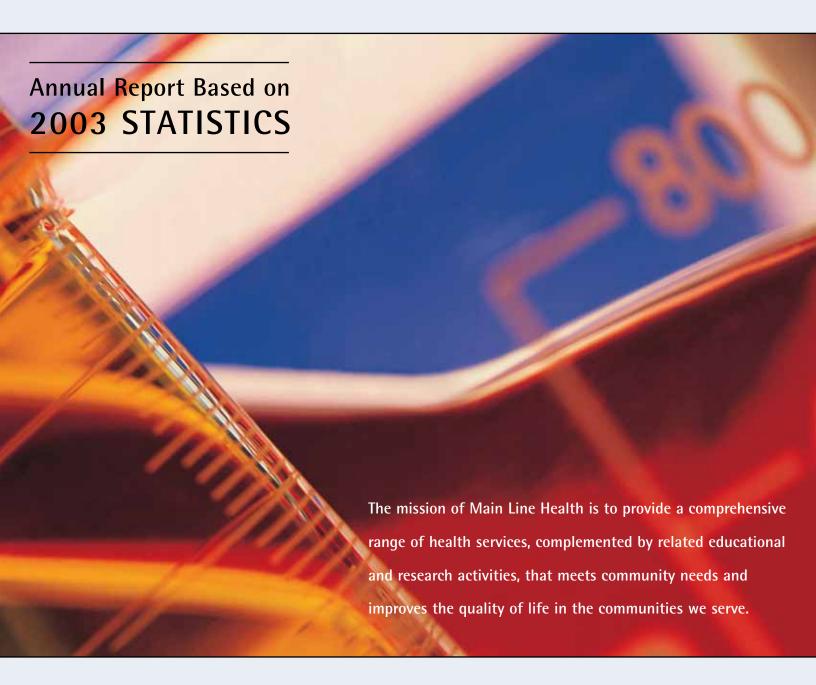
Innovations in Cancer Care

# PAOLI HOSPITAL CANCER CENTER



Main Line Health

Cancer Center Paoli Hospital

## Message from the Chairman of the Cancer Committee

This is an exciting time for the Cancer Committee and the Cancer Center at Paoli Hospital. Our affiliation with the Fox Chase Cancer Center Network and the Main Line Health Community Clinical Oncology Program allows us to offer the latest clinical trials to eligible cancer patients. Our support programs for patients and their families are an integral part of the comprehensive care here at Paoli Hospital.

As the 2003 statistics demonstrate, breast, colorectal and prostate cancer are the most common tumor sites seen at Paoli Hospital. Data from the American Cancer Society shows these changes in treatment have improved the 5 year survival rates for colon cancer to 62% and for breast cancer to 86%.

**Breast Cancer:** Newer surgical techniques, such as sentinel lymph node evaluation, have allowed women to undergo treatment using less invasive surgery. State-of-the-art radiation therapy equipment at Paoli minimizes toxicity and improves response rates to treatment. Our radiation oncologists are also actively involved in local radiation for breast cancer using the Mammosite® form of brachytherapy shortening overall treatment time. Advancements in medical oncology include new agents and new ways to maximize the efficacy of older drugs by delivering them in a dose dense manner. The new Breast Health Center offers a soothing environment for women to obtain screening mammography or further diagnostic studies of the breast. The Center also provides a venue to introduce our genetic counseling program for women with a strong family history of breast or ovarian cancer. A biweekly multidisciplinary breast cancer conference was established in October 2004, where all new breast cancer cases are discussed by cancer specialists with specific recommendations for each case.

**Colon Cancer:** Laparoscopic resection of colon cancer is a procedure our surgical colleagues are exploring to minimize

recovery time in patients with colon cancer. In rectal cancers, radiation along with chemotherapy is frequently used to dramatically reduce tumor size and allow sphincter sparing surgery replacing a colostomy. Adjunctive treatments that specifically target the biologic characteristics of colon cancer, such as new blood vessel formation and growth factor receptors, are now routinely utilized.

**Prostate Cancer:** In this Annual Report, Dr. Gregory Ochsner of the Radiation Oncology Department reviews the exciting advances in prostate cancer.

The Paoli Cancer Center's recent renovations add to the caring environment for patients receiving chemotherapy or radiation therapy. The new Senior Oncology Program addresses the unique aspects of cancer care for those over the age of 70 and incorporates a clinical trial of cognitive and functional abilities as patients undergo treatment. The Cancer Committee has also initiated a multidisciplinary Thoracic conference in March 2004 to help address the care of patients with lung and other chest malignancies.

The Cancer Committee wishes to acknowledge the support of hospital administration, medical staff, the Paoli Auxiliary and our patients. We look forward to another year where we can provide the highest quality of cancer care for our patients, their families and our community.

Michael B. Dabrow, DO, FACOI Medical Director Paoli Cancer Center

Medical Director Paoli Cancer Chair, Cancer Committee

## Main Line Health CCOP

The clinical trials program of Main Line Health was awarded the designation of Community Clinical Oncology Program (CCOP) by the National Cancer Institute in 1994, and has been continually maintained since that time. The CCOP designation is a prestigious one, as there are only 50 CCOPs across the country. The goal of a CCOP is to bring clinical trials to the community, rather than having patients leave their community to receive state-of-the-art cancer care. Medical, surgical and radiation oncologists and our research staff accrue patients to both prevention and treatment studies provided by four research bases: M.D. Anderson Cancer Center; Eastern Cooperative Oncology Group; National Surgical Adjuvant Breast and Bowel Project; and Radiation Therapy Oncology Group. Additional trials from pharmaceutical companies and other professional groups (American College of Surgeons Oncology Group, Gynecology Oncology Group among them) are also accruing patients with the assistance of the medical and research staff. This year, Fox Chase Cancer Center joined the project by becoming a research base for prevention studies.

We are presently involved in two cancer prevention studies and have participants in another four prevention study follow-up courses. On the treatment side, over 55 studies are currently accruing patients in a variety of cancer types. All of these studies are national or international studies, available locally because the physicians and healthcare providers in Main Line Health believe that cancer care must be a priority and the CCOP project is the best way to provide that quality care.

We have recently been rated fifth in the country among CCOP's for accruals to RTOG studies and previously rated fourth in the country for accruals to the NSABP B-32 sentinel node study.

Rosemarie A. Tucci, RN, MSN, AOCN Manager, MLH Oncology Data Services

## Report on Prostate Cancer — 2003

Prostate cancer is the most common malignancy involving the American male and places second to lung cancer as a cause of death in this group. In 2003, approximately 220,000 American men were diagnosed with prostate cancer and it is expected that approximately 30,000 will die from this disease. It is estimated that 1 out of 6 American men will develop prostate cancer in their lifetime.

In the 1980's the prostate specific antigen (PSA) test became available and is currently used as a screening tool in the United States. This has proved to be a most significant advance allowing early detection of prostate cancer for millions of Americans thus improving their odds of beating this sometimes fatal disease. Additional advances in surgical techniques and radiation therapy have also been instrumental allowing better cure rates with fewer complications. Here at Paoli Hospital we are proud to offer the latest technologies including Intensity Modulated Radiation Therapy (IMRT) and state of the art techniques for the implantation of radioactive seeds.

For patients with advanced disease the combination of hormones and radiation is allowing for long term survival and sometimes cure. In previous years the prognosis for these patients' was dismal. Recent advances in the use of chemotherapy agents are improving the lives of prostate cancer patients with advanced disease. Exciting experimentation is in progress looking at the use of vaccines and other biological modifiers for these patients.

In FY 2003, 58 men (54-white/4-black) were diagnosed and/or treated at Paoli Hospital. Of these, 51 patients received treatment in one or a combination of the following

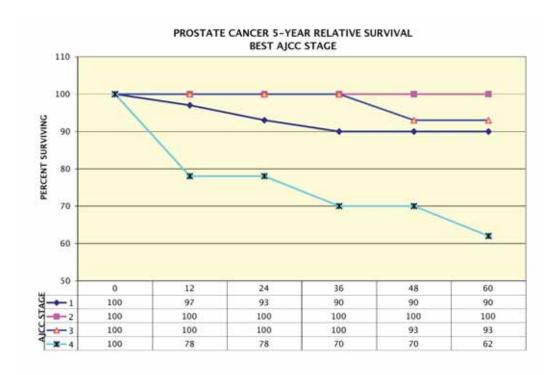
modalities: surgery 54%, radiation 16%, hormone treatment with surgery and radiation 5% and no treatment 7%. A total of 38 men had surgery included in their treatment regimen, either alone (31) or in combination (7) with other modalities.

As comparable to national statistics most men are diagnosed with early stage 1 or 2 disease. Of the 58 patients diagnosed at Paoli Hospital 89% are 50-80 years of age with the highest incidence (50%) diagnosed at age 60-69. This is also comparable to the national statistics. Survival data for the 2003 reporting period is unavailable, however, in comparison to the National Cancer Data Base (NCDB) benchmark reports for 1995 and 1996 patients treated at Paoli Hospital showed very favorable results. At five years, over 90% of patients treated at Paoli Hospital with stage 1 or 2 disease were alive as compared to slightly over 84% nationally. Patients with stage 3 prostate cancer treated at Paoli Hospital during the same time period had a 93% 5-year survival rate as compared to 85% nationally.

It is only now becoming evident that we are gradually winning the war on cancer. Slowly we are improving our ability to diagnose and treat cancer. We are diagnosing cancer earlier and offering newer treatments affording better cure rates with fewer side effects. Nowhere is this more prevalent than in the treatment of prostate cancer.

At Paoli Hospital we are committed to continue with stateof-the-art treatment and quality care for all our cancer patients.

Gregory J. Ochsner, MD Radiation Oncology



## **Oncology Data Services**

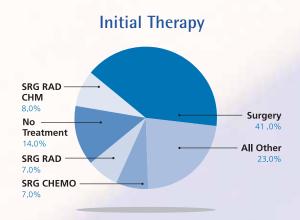
The Cancer Registry at Paoli Hospital is a comprehensive oncology database of clinical treatment and demographic information for all patients' diagnosed or treated at this facility.

In FY 2003, the registry accrued 432 new cancer cases of these 411 are analytic (diagnosed and/or treated at Paoli) and 21 non-analytic (diagnosed and/or treated elsewhere). With a reference date of 1989 the registry follows over 7,000 patients annually. As an approved program of the American College of Surgeons (ACoS) Commission on Cancer (COC) lifetime patient follow-up is required for continuity of care and provides for meaningful end results reporting. As referenced in the graphs 71% of male patients seen at Paoli Hospital are diagnosed between ages 60-69 with 55% of female patients between ages 70-79. Additionally, 41% of patients receive surgery as initial treatment with 23% receiving pre-operative chemotherapy, radiation and/or hormone treatment.

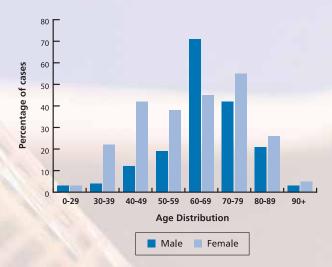
As new oncology advances are made Cancer Registrars must continually update their professional skills to ensure collection of quality data. As certified professionals in oncology data management Registrars .a.k.a. Oncology Data Specialists are the first line in providing data for national statistics. Registry data is reported to the National Cancer Database for comparative analysis with similar facilities and national organizations, the Facility Information and Profile System (FIPS) of the American Cancer Society for trends in cancer research and the Cancer Information Reference File (CIRF) for comparative analysis of Medical Registry Systems users. Registry data is also shared with other healthcare facilities for continuity of patient care. In 2003, the registry received 79 requests for registry data.

The Bureau of Labor and Statistics estimates that the demand for experienced certified registrars will exceed the number of practitioners by 4,000 annually within the next decade. The National Cancer Registrars' Association (NCRA) reports there are currently 3,959 cancer registries in the US and only 3,400 certified registrars. So critical is the shortage that the NCRA published the "Rationale for a Cancer Registrar Workforce Study" in October 2003. It states: "Without an adequate number of well trained cancer registrars, accurate, dependable and timely cancer research and statistics reporting will be compromised. It is imperative that we begin to strengthen the cancer registrar profession. We can begin to engage the entire health care community, the public, facilities, and various government agencies through education, advocacy and better understanding of the "state" of those in the profession."

Deborah A. Dickerson, RHIT, CTR MLH, Oncology Data Services Cancer Registry Coordinator



#### Male vs. Female by Age at Diagnosis



## Site Distribution Report – AJCC Staging Paoli Hospital

Study Group: 2003 Analytic Cases (newly diagnosed)  AJCC Stage												
Primary Site	Cases	0	1	2	3	4	Unk	N/A	Male	Female	% PH Database	ACS Est. Figures*
Anus	6	1	2	1	2	0	0	0	1	5		
Bladder	24	14	7	2	0	0	1	0	17	7	6%	4%
Breast	94	19	41	23	6	1	3	1	1	93	23%	16%
Cervix	6	5	0	0	0	0	1	0	0	6		
Colon/Rectum	61	4	14	16	14	10	2	1	32	29	15%	11%
Esophagus	3	0	0	0	2	0	1	0	2	1		
Kidney	8	0	4	0	1	3	0	0	2	6		
Larynx	3	0	1	0	0	2	0	0	3	0		
Leukemia/Hematopoietic	7	0	0	0	0	0	0	7	6	1		
Liver	2	0	0	0	1	0	1	0	1	1		
Lung	37	0	11	1	8	14	3	0	12	25	9%	13%
Lymphoma	21	0	7	4	2	2	3	3	11	10		
Melanoma	21	3	7	2	1	0	8	0	11	10		
Other	12	1	5	1	0	0	1	4	6	6		
Oral Cavity	2	0	0	0	0	2	0	0	1	1		
Ovary	3	0	1	0	2	0	0	0	0	3		
Pancreas	3	0	0	0	2	1	0	0	1	2		
Prostate	58	0	2	48	7	1	0	0	58	0	14%	14%
Stomach	5	0	1	1	2	0	1	0	1	4		
Thyroid	8	0	3	2	1	2	0	0	2	6		
Unknown Primary	18	0	0	0	0	0	0	18	7	11		
Uterus	9	0	6	1	1	0	1	0	0	9		
Total	411	47	112	102	52	38	26	34	175	236	67%	61%

The most frequent cancer sites for 2003 are highlighted in the above table and represent the percentage of cancer incidence seen at Paoli Hospital as comparable to the American Cancer Society's national estimates. They are in descending order, Breast, Colorectal, Prostate, Lung, and Bladder.

In addition, 21 cases were diagnosed in physician offices or elsewhere and received ongoing treatment at Paoli Hospital for a total of 432 newly diagnosed cases.

#### \* Cancer Facts and Figures 2003, American Cancer Society

Diagnostic Radiology

# Paoli Hospital Cancer Committee - 2003/2004

PM&R

**Radiation Oncology** 

Leland Berkwits, MD

Gregory J. Ochsner, MD

Michael B. Dabrow, DO	Medical Oncology, Cancer Committee Chair	Lynne Stilley, VP Lori Curtis, MSW, LSW	Administration ACS Director of Patient Services			
Timothy T. Fox, MD	General Surgery, ACoS Liaison	Maria Brouch, MSN	Clinical Nurse Specialist			
Deborah Dickerson, RHIT, CTR	Oncology Data Services/	Mary Keirsey, BSN, OCN Michel Hoessly, MD	Nursing/Manager, Cancer Center Medical Oncology			
Elaine Sein, RN	Cancer Registry Senior Project Manager,	Lisa Hess Rodel Hildago, R.T. (T)	Public Relations/Marketing Mgr. Radiation Oncology Technicians			
Gregory Thompson, MD	Fox Chase Network Urology	Rosemarie A.Tucci, RN, MSN, AOCN	Mgr. Cancer Research & Oncology Data Services			
Heather Curry, MD Joseph Ardito, MD	Radiation Oncology Otorhinolaryngology	Rosheen McCutcheon, OCN, CCRP	Clinical Trials & Cancer Research			
Joseph Horstmann, MD Kate O'Connor, MSW, LSW	Pathology Social Services	Sandra Karger, MS	Community Health Services Mgr. Paoli Hospital Cancer Program			

Valerie Hunt, MD

## **Paoli Hospital Cancer Service Directory**



# Breast Care Program 610-648-1253

Supportive care provided by volunteers after surgery, chemotherapy and radiation therapy.

## Breast Health Center 610-648-1414

The new Breast Health Center offers women the most advanced breast care services in a soothing, spa-like environment. The Center features personalized attention and care combined with the most current diagnostic imaging and treatment including digital mammography with computer-aided detection and minimally invasive biopsy procedures.

# Clinical Trials and Cancer Prevention Research

610-648-1637

Provides patients access to NCI sponsored clinical research studies and prevention trials.

# Community Education and Screening

610-648-1270

Provides educational programs and cancer screenings to the community.

#### Fox Chase Cancer Network Referral Line 610-648-1140

Provides patients and physicians with rapid consultative services at Fox Chase Cancer Center.

# "Look Good, Feel Better" Program 1-866-225-5654

American Cancer Society sponsored program, providing cosmetic instruction for women during and after cancer treatment.

#### Lymphedema Management Program

610-648-1063

Provides early and continuing treatment for patients with Lymphedema.

# Medical Oncology 610-648-1600

The Medical Oncology suite of the Cancer Center at Paoli Hospital offers a complete multidisciplinary approach to patient care in a warm nurturing environment. The Senior Oncology program offers a comprehensive geriatric assessment for patients' over age 65

to maximize the effectiveness of treatment

while minimizing potential side effects.

## Nutritional Services

Registered Dieticians counsel patients' and care givers on proper nutrition during cancer care.

# Oncology Data Services/Cancer Registry

610-648-1455

A comprehensive data management system for collection of malignant or neoplastic disease. Cancer Registrars capture a complete clinical and demographic summary of the patient's history, diagnosis, treatment, health status and provide lifetime follow-up of patients diagnosed with cancer.

# Physical Medicine and Rehabilitation

610-648-1063

Offers advice and instruction concerning exercises and/or ambulation for patients undergoing cancer treatment.

## Radiation Oncology 610-648-1600

The Radiation Oncology suite at Paoli Hospital features state-of-the-art equipment and the latest cancer treatment options, including Intensity Modulated Radiation Therapy (IMRT) in a convenient community setting.

#### Social Services

610-648-1253

Social workers provide psychosocial support and counseling for patients and their families.

### STAR Trial

610-648-1621

Study of Tamoxifen and Raloxifene for the prevention of breast cancer.

## **Support Groups**

610-648-1253

Information, education and support for patients recovering from cancer.

## Women's Health Source

1-888-876-8764

A free membership club offering information on a wide variety of health care issues important to women.

Main Line Health

## Cancer Center Paoli Hospital

A Member of Fox Chase Network