



ONCOLOGY REPORT 2015

A Look at Colon Cancer
Prevention, Detection and Treatment



BON SECOURS KENTUCKY HEALTH SYSTEM

Cancer: Evolution to Revolution

by Kirti Jain, M.D.



Kirti Jain, M.D.
Oncologist

A report from the Cancer Committee Chairman

"Emperor of All Maladies - A Biography of Cancer" written by oncologist **Siddhartha Mukherjee** was published in 2010 and later turned into a documentary by **Ken Burns**. The book won a 2011 Pulitzer Prize. It is a magnificent biography of cancer – from its first documented appearance more than 2,000 years ago to the epic battles of the 20th century – to cure, to control, and to conquer cancer.

Our knowledge of cancer has evolved slowly but steadily during this period – mostly by trial and error. **William Stewart Halsted** decided radical surgery was the answer to cancer and for the next few decades it was almost a competition among surgeons as to who could do more radical surgery! Once chemotherapy showed some efficacy in treating cancer in the '50s and '60s, every conceivable combination of drugs the

human body could tolerate was attempted. While some cancers were cured, it did not make a huge impact. Why?

The problem was the experts did not know what prompted a normal cell to become cancerous or how exactly a normal cell differed from a cancerous cell. Therefore, treatments were mostly a shotgun approach with low efficacy and a lot of side effects since these therapies were toxic to normal cells too.

Then, suddenly, the slow evolutionary understanding of cancer became revolutionary! Advances in molecular biology and genomics became a boon in learning the cancerous transformation of a normal cell. It was learned how various subcellular pathways differ in a cancer cell from a normal cell and how various carcinogens interact with genomic makeup of a cell. Many targets were discovered that could be hit in a cancer cell. We in the medical establishment started understanding the role of an intact immune system in preventing cancer and how to take advantage of it as a weapon of mass destruction of cancerous cells anywhere in body!

The last decade has been nothing short of a revolution. Oncology is probably the single most interesting current subject. There is a lot of enthusiasm in the cancer community. The hope to eradicate cancer, at least make a huge dent, is renewed. It is no wonder a lion's share of pharmaceutical research dollars are going to oncology.

The drug armamentarium has increased nearly tenfold in the last 10 years. New and more precise radiation machines have been developed, organ preservation has become the norm in surgery and targeted therapies with laser precision and immunotherapies are evolving at a rapid pace. Cancer vaccines are not a dream any more. While hope comes in many colors – right now we see a rainbow!

Our Lady of Bellefonte Hospital (OLBH) is at the forefront of all this. With the combination of OLBH, its physicians and its affiliates, cutting edge therapies are standard of care. Tomorrow's treatments – clinical trials – are available today for many of our patients. We are making more and more of them available so that our patients can gain access to an otherwise unavailable hopeful future. And yes, we never forget to mix all these advances in cancer therapy with another important ingredient – human touch!

Kirti Jain, MD
Chairman, Cancer Committee

**"Alone we can
do so little;
Together
we can do so much."**

- Helen Keller

Colorectal Cancer Awareness

Each year, OLBH's Cancer Committee provides at least one cancer prevention program designed to reduce the incidence of a specific cancer type. OLBH had a 68 percent increase in colorectal diagnosis from 2013 to 2014. Therefore, a cancer prevention program was adopted to focus on colorectal cancer awareness and prevention. In 2015, in partnership with the Kentucky Cancer Program, OLBH brought the inflatable Incredible Colon to the hospital campus and colorectal education was distributed. Participants were provided physician contact information for scheduling screening colonoscopies. OLBH also partnered with Kings Daughters Medical Center, the American Cancer Society and Kentucky Cancer Program for Colorectal Cancer Awareness Day at the Ashland Towne Center Mall in April 2015. The Incredible Colon and Faces of Colon Cancer were on display. Staff was available to answer colorectal cancer questions, discuss the screening process, discuss genetic testing and schedule screening colonoscopies. Educational brochures, healthy eating guides, and prevention and awareness information were provided.

A Look at **Colon Cancer**

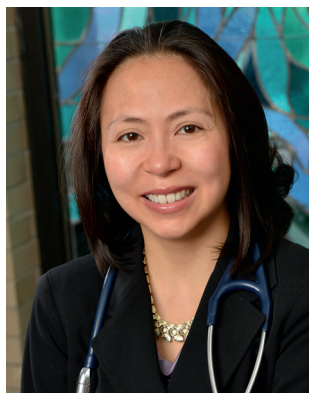
by Anna Melissa Murillo, M.D.

Colon cancer is among the top three most common cancers. We have made progress with the disease through the implementation of national guidelines for screening to detect the cancer in its early stage and have made substantial advances in treatment.

Since the mid-1970s, the five-year relative survival rate for colon cancer has increased from 51 to 65 percent. The largest improvement in five-year survival has been for disease confined to the area where the original cancer is detected (regional or localized disease). The improvement in survival has increased from 55 to 73 percent for these patients. This is likely due to significant progress in treatment, namely 5-Fluorouracil based chemotherapy following surgery,

which was recommended by the National Institutes for Health expert panel in 1990. Within the past five years, new medications have been approved for the treatment of colon cancer including Regorafenib, Ramucirumab, Panitumumab and Ziv-aflibercept. Several others are in development.

A new report by the American Cancer Society, in collaboration with the National Cancer Institute, estimates there are 14.5 million cancer survivors alive in the U.S. today and that number will grow to nearly 19 million by 2024. Here at OLBH/Bellefonte Oncology Associates, in collaboration with our staff and a team of gastroenterologists, surgeons, and radiologists, we are able to offer patients screening colonoscopies, proper testing to diagnose colon cancer and optimal treatment methods to help ensure our patients best chance for survival and a long and happy life.



Anna Melissa
Murillo, M.D.
Oncology/Hematology



**“The science of
today is the
technology of
tomorrow.”**

- Edward Teller

Bellefonte Oncology Associates treating all types of cancer.

FEATURING:

- Oncologist Board Certified in both Hematology and Oncology
- Oncology Certified Nurse on Staff
- Oncologist's Residency-Training at Johns Hopkins University/ Sinai Hospital and Fellowship at Montifiore Medical Center
- Skilled in All Hematology Disorders Including Anemias

(606) 833-6762
300 St. Christopher Drive
Ashland, Kentucky



Partnership: OLBH a Member of Markey Cancer Center Affiliate Network

Bon Secours Kentucky Health System's Cancer Care at Bellefonte program is a member of the University of Kentucky's Markey Cancer Center Affiliate Network (MCCAN). The MCCAN is a group of community hospitals in the Commonwealth of Kentucky that provide high-quality cancer services and programs in their communities with the support of the University of Kentucky's Markey Cancer Center.

The MCCAN extends the Markey Cancer Center's reach so patients across the Commonwealth can receive the same high-quality cancer care close to their homes, including patients of OLBH. The affiliation gives cancer patients in the Tri-State area access to additional specialty and subspecialty physicians and care, including clinical trials and advanced technology, while allowing them to visit OLBH for most treatment. OLBH is one of 13 hospitals and medical facilities in the MCCAN.

For more information about the MCCAN, visit www.ukhealthcare.uky.edu/Markey.

**"Unity is *strength*...
when there is
teamwork and
collaboration
wonderful things
can be achieved."**

- Mattie Stepanek

UKHealthCare®
Affiliate Network
Markey Cancer Center



Richard Mailloux, M.D.



Diane Settles, M.D.

GI Cancer Fighters

Gastroenterologists [Richard Mailloux, M.D.](#), and [Diane Settles, M.D.](#), along with their partner [Rob Brandenburg, D.O.](#), (pictured below) fight colon cancer at Bellefonte Digestive Disease Center, located on the OLBH campus. The office can be reached at (606) 833-6350.

Welcome New Physicians



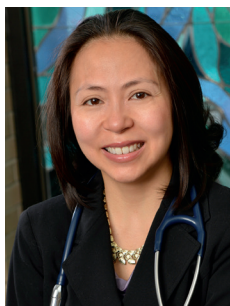
Sameer A. Batoo, M.D.
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Venu Konala, M.D.
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Anshu Kumar Jain, M.D.
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**Anna Melissa Murillo,
M.D.**
Oncology/Hematology
Bellefonte Oncology
Associates



Carlos Malave, M.D.
General Surgery
Bellefonte Surgical
Associates



Rob Brandenburg, D.O.
Gastroenterology
Bellefonte Digestive
Disease Center

Treatment Services For Cancer Patients

EMMANUEL UNIT

The hospital has a special nursing area dedicated to oncology services, known as the Emmanuel Unit. The 30-bed unit provides both inpatient and outpatient cancer care. The nurses on the unit are specially trained in cancer diagnosis, care and the administration of chemotherapy. A multidisciplinary treatment team approach is utilized to provide patients with the support and information they need.

CLINICAL TRIALS

Before a new treatment method is made available to the public, it must undergo a clinical trial. These strictly monitored and carefully evaluated studies test the therapy's safety and effectiveness. For more information concerning clinical trials currently ongoing at OLBH, call **(606) 833-3253**.

GENETIC TESTING

The OLBH Women's Center offers genetic testing for two reasons: 1.) To provide former cancer patients with their likelihood of recurrence. 2.) To determine the likelihood of cancer being inherited from a cancer survivor to an offspring. Both types of testing start with a simple blood test. For more information contact the OLBH Women's Center at **(606) 836-PINK (7465)**.

NUTRITION SERVICES

Proper diet and nutrition are essential to cancer treatment. OLBH's dieticians are available to both inpatients and those cancer patients receiving treatment on an outpatient basis. The dietician, along with the patient, will individualize a dietary plan that best meets the patient's treatment goals.

PALLIATIVE CARE

Palliative comes from the word "palliate" which means "to ease or comfort." Palliative care seeks to relieve suffering, ensure comfort and improve quality of life. OLBH's palliative care team works to ensure patients' values and decisions are respected with their comfort a priority. The palliative care team can be reached at **(606) 833-4159**.

SURGICAL EXPERTISE

The primary purpose of cancer surgery is to cure cancer by removing it. The surgeon usually does this by cutting into the body and removing the cancer along with some surrounding healthy tissue to ensure all of the cancer is removed. A surgeon may also remove some lymph nodes in the area to determine if the cancer has spread. This helps a doctor assess the chance of a cure, as well as the need for any further treatment. If required, OLBH's surgeons will provide physician referrals.



OLBH's oncology nurses play an important role in cancer care.

"Part of the healing process is sharing with other people who care."

- Edward Teller

Shawl Ministry Provides Comfort

The prayer shawl ministry at OLBH began in 2007 and since that time hundreds of OLBH patients or their families have received the hand-stitched garments. Prior to being given, each shawl is taken to the hospital chapel and blessed.

The hospital's prayer shawl ministry is a team effort comprised of hospital employees and community volunteers who carefully make each shawl. Funding for the yarn is donated by the OLBH Foundation.

OLBH staff members help identify candidates for a shawl, with the hospital's cancer patients being frequent recipients. The goal of the shawl ministry is peace. While OLBH's expert staff provides care, sometimes an individual or a family needs that extra comfort of knowing someone is praying for them.

To become a member of the prayer shawl ministry, or to suggest an OLBH patient for a shawl, call **(606) 833-3609**. Both hand-knitters and those who crochet are needed.



Nikki Layne, RN, BSN, (left), and Sandra Daniel, RN, BSN, CCRN, hold prayer shawls that will be used to comfort patients.

Support Services

For Cancer Patients & Families



At OLBH, we view cancer care as a team effort. Team members are knowledgeable and experienced professionals with access to the latest and safest treatment information. Having different disciplines involved in your cancer care ensures you will receive the best possible treatment. In addition, our cancer care team will help you maintain quality of life and provide support throughout your entire cancer journey.

It is an honor to provide care to our patients and at OLBH we believe that care extends beyond direct treatment of the disease. It is why we have built a support system for cancer patients and their families that is second to none.

Christi McKinney, RN, MSN, OCN
Director of Oncology Services



Lung Nurse Navigator Leigh Ann Holt (left) with Women's Center Nurse Navigator Margaret Ward.

SUPPORT GROUPS

Breast Cancer Support Group: Each month at OLBH's Breast Cancer Support Group a new topic is presented to those whose lives have been affected by a diagnosis of breast cancer.

Look Good. Feel Better: This support group helps women cope with the appearance-related side effects of cancer treatment by teaching tips that enhance appearance and strengthens self-image. Additionally, Look Good. Feel Better features experts trained to help patients deal with the physical side effects of cancer treatment and to promote good hygiene. The support group is offered monthly in conjunction with the American Cancer Society, the Personal Care Products Council Foundation and the National Cosmetology Association.

Man to Man: Man to Man offers monthly support meetings for those whose lives have been affected by a diagnosis of prostate cancer.

Smoking Cessation: OLBH offers a free, 12-week smoking cessation support group using the Cooper - Clayton method and nicotine replacement to assist individuals in kicking the habit of using tobacco products.

To learn more concerning OLBH's free cancer-related support groups, call the OLBH **CareLine** at **(606) 833-CARE (2273)**.

NURSE NAVIGATORS

OLBH's nurse navigators are advocates for the hospital's patients. They provide education, support and help "navigate" a patient through every facet of care. Navigation begins when a problem is identified and continues through diagnosis and treatment. OLBH's nurse navigators support cancer patients by simplifying the care process and connecting patients to the services they require.

CANCER REHABILITATION

OLBH's Cancer Rehabilitation is a comprehensive multidisciplinary program designed to offer outpatient rehabilitation services to patients and survivors. Customized programs are created to address rehabilitation needs for a variety of conditions including, but not limited to:

Fatigue	Difficulty swallowing
Numbness in feet/hands	Postural changes
Weakness	Cognitive/communication problems
Scar tissue formation	Pain
Poor endurance	Energy conservation
Lymphedema	Difficulty walking
Decline in balance	

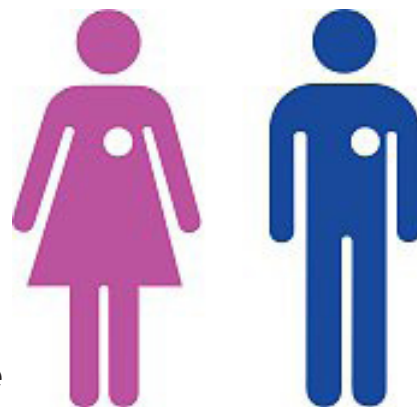
Those experiencing problems that were not present prior to a cancer diagnosis, especially those that affect daily function and quality of life, might be candidates for cancer rehabilitation. For more information concerning OLBH's Cancer Rehabilitation program, call the Human Motion Vitality Center at **(606) 833-3517**.

WOMEN'S CENTER & BOUTIQUE

The staff at the OLBH Women's Center is dedicated to female health. The center, located on the ground floor of Bellefonte Centre (1000 Ashland Drive), offers digital mammography, pap tests, breast ultrasound, surgical consultations, minimally invasive breast biopsy, DEXA-scan to screen for osteoporosis, genetic testing, clinical breast exams, a women's library, and The OLBH Women's Center Boutique.

The OLBH Women's Center Boutique offers prosthesis, wigs, bras and other items. The boutique employs certified mastectomy fitters specifically educated and trained in breast prostheses and post-mastectomy services. The OLBH Women's Center Boutique is operated by WeCare Medical, LLC. The boutique can be reached at **(606) 833-2130** and the OLBH Women's Center can be contacted at **(606) 836-PINK (7465)**.

2014 Cancer Data Summary



Percentage of OLBH Cancer Incidence by Primary Site

BREAST, FEMALE & MALE	20.56	PANCREAS	1.21
TRACHEA, BRONCHUS, LUNG-NSC	14.52	THYROID	1.21
COLON	11.29	TONGUE	1.21
RECTUM/ANUS	7.66	TESTIS	.81
BLADDER	6.45	BRAIN	0.4
MALIGNANT MELANOMA	5.65	CONNECTIVE & SOFT TISSUE	0.4
NON-HODGKIN'S LYMPHOMAS	4.84	FLOOR OF MOUTH	0.4
PROSTATE	4.84	GUM & HARD PALATE	0.4
STOMACH	2.82	KIDNEY	0.4
TRACHEA, BRONCHUS, LUNG-SMALL	2.02	LYMPHOCYTIC LEUKEMIAS	0.4
CERVIX	1.61	MYELOPROLIFERATIVE & MYELOYDYSPLASIA	0.4
ESOPHAGUS	1.61	OTHER FEMALE GENITAL ORGANS	0.4
OROPHARYNX	1.61	OTHER ORAL CAVITY	0.4
UNKNOWN PRIMARY	1.61	OTHER SKIN	0.4
ENDOMETRIUM (CORPUS UTERI)	1.21	OVARY	0.4
LARYNX	1.21	PLASMA CELL TUMORS	0.4
LIVER	1.21		
TOTAL		248	

Registrar's Report



Barb Fitzpatrick, CTR,
Cancer Registrar

OLBH began its cancer registry in 1991 to collect data from every patient diagnosed or treated for cancer at the hospital. The data plays an important role in the 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 OLBH cancer registry is a member of Kentucky Cancer Registry (KCR) and the American College of Surgeons (ACOS). Information is submitted annually to KCR for the Kentucky Cancer Incidence Report. The registry also participates in the "Call for Data" by the National Cancer Data Base, which is designed to provide an annual review of patient care, a comparative summary of hospital cancer statistics and data edit report.

All information collected for the registry is kept strictly confidential. General data, however, is available for presentation, publications, reports, etc. For more information regarding the OLBH cancer registry, call **Barb Fitzpatrick, CTR**, at **(606) 833-3252**.

OLBH and the Tri-State's Best Cancer Care

In addition to the services of the Bon Secours-owned Bellefonte Oncology Associates (featured on page 3), Cancer Care at Bellefonte patients can utilize the services of Ashland-Bellefonte Cancer Center (122 St. Christopher Drive on the OLBH campus, (606) 833-3530) and Tri-State Regional Cancer Center (706 23rd Street, Ashland, (606)-329-0060). The physicians of both facilities are members of the OLBH medical staff and offer services such as intensity modulated radiation therapy and ARC therapy services, image guided radiation therapy services, electronic brachytherapy treatment, stereotactic body radiation therapy, and more, including:

ASHLAND-BELLEFONTE CANCER CENTER (ABCC):

- Brainlab ExacTrac Platform
- Xofigo Axxent EBX System
- Radionuclide Therapy with Xofigo (Radium-223) and Yttrium-90.



From left: Anshu Jain, M.D.; Stephanie Vandine, APRN; Kirti Jain, M.D.; Maryann Stephenson, APRN; Robert C. O'Laughlin, M.D., Sammer A. Batoo, M.D.; and Venu Konala, M.D.

TRI-STATE REGIONAL CANCER CENTER (TSRC):

- Radiation Therapy Center Truebeam Linear Accelerator
- Varian 6EX Linear Accelerator
- Vesicular Monoamine Transporter Radiation Therapy



Jeffrey Lopez, M.D., Radiation Oncologist; and Terry Justice, M.D., Radiation Oncologist; pose with the Truebeam Linear Accelerator.

2015 Cancer Committee

Robert Barker, MAR
Pastoral Care

April Broun, SWK

Christie Coovert, RN, BSN, OCN

Dr. Brian DeFate
Urologist, Cancer Liaison

Brandi Fields, RN, MSN
VP Patient Care Services

Barb Fitzpatrick, CTR

Anna Hampton, RN, BSN
Quality Improvement

Terri Hannon, RT
Director of Radiology Services

Leigh Ann Holt, RN
Lung Health Navigator

Dr. Kirti Jain
Medical Oncologist, Chairman

Kim Jones, RN
Palliative Care

Dr. Anshu Jain
Radiation Oncology

Dr. Terry Justice
Radiation Oncology

Dr. Venu Konala
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Dr. Philip Lackey
Surgeon, Cancer Liaison

Nikki Layne, RN, BSN
Clinical Trial Coordinator

Gerry Lyons, PhD
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Becky Manley
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Christi McKinney, RN, MSN, OCN
Director of Oncology Services/
Infection Prevention

Dr. Lisa Murillo
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Dr. Gabriel Rodriguez
Pathology

Amber Schweickart, OTR

Rebecca Simpson, MSW
Kentucky Cancer Program

Maryann Stephenson, APRN

Kristi Ward, RN, BSN
Manager, 2 Center

Margaret Ward, APRN
Breast Care Navigator

Diana Williams, RN, MSN
Director of
Community Resources

