The primary goal of all NCCN initiatives is to improve the quality, effectiveness, and efficiency of oncology practice so patients can live better lives.
Table of Contents

Message from the Chairman and the Chief Executive Officer ................................................................. 5
NCCN Overview and Mission Statement .................................................................................................. 7

NCCN Clinical Recommendations
- NCCN Clinical Practice Guidelines in Oncology [NCCN Guidelines™] ........................................... 9
- NCCN Drugs & Biologics Compendium [NCCN Compendium™] ......................................................... 10
- NCCN Chemotherapy Order Templates [NCCN Templates™] ............................................................ 11
- JNCCN – The Journal of the National Comprehensive Cancer Network .............................................. 12
- NCCN.org ............................................................................................................................................ 14

NCCN Educational Events & Resources
- NCCN 15th Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™ .................. 15
- NCCN 5th Annual Congress: Hematologic Malignancies™ ................................................................. 15
- NCCN 2010 Congress Series ................................................................................................................ 16
- NCCN Guidelines Update Webinar Series™ ....................................................................................... 17
- NCCN Academy for Excellence & Leadership in Oncology™ ............................................................. 17
- NCCN Resource Tool: Risk Evaluation & Mitigation Strategies (REMS) for Clinicians ................... 18
- NCCN Oncology Case Management Program™ .................................................................................. 19
- NCCN International Programs ............................................................................................................. 20

NCCN Research & Business Resources
- NCCN Oncology Research Program (ORP) ......................................................................................... 22
- NCCN Oncology Outcomes Database .................................................................................................. 23
- NCCN Oncology Policy Programs ....................................................................................................... 24
- Managed Care Collaborations .............................................................................................................. 25
- NCCN Insights™: Analytics, Research & Consulting ......................................................................... 26
- NCCN Collaboration with the National Business Group on Health ..................................................... 27

NCCN Patient Initiatives
- NCCN.com ............................................................................................................................................. 28
- NCCN Guidelines for Patients™ ........................................................................................................... 29
- NCCN Resource Tool: REMS for Patients ............................................................................................ 29

NCCN Foundation ...................................................................................................................................... 30

NCCN Committees, Guidelines Panels, & Staff
- NCCN Committees ................................................................................................................................. 32
- NCCN Guidelines™ for Treatment of Cancer by Site – Panel Members ........................................... 44
- NCCN Guidelines for Detection, Prevention, and Risk Reduction – Panel Members ...................... 63
- NCCN Guidelines for Supportive Care – Panel Members .................................................................. 67
- NCCN Staff ............................................................................................................................................. 72

NCCN Member Institutions ....................................................................................................................... 74
Message from the Chairman and the Chief Executive Officer

The National Comprehensive Cancer Network® (NCCN®) would like to thank the faculty and staff at our 21 Member Institutions for their tireless dedication to the NCCN Guidelines development process and to our wide array of programs, projects, and initiatives this past year. Their volunteer efforts are the backbone of NCCN’s continued success and reflect our collective commitment to the delivery of appropriate and effective cancer care for patients.

In 2010, NCCN continued to develop the NCCN Guidelines, which are widely recognized and applied as the standard for clinical policy in oncology in the United States. We expanded the electronic platforms for dissemination, including the establishment of two new mobile applications for the Apple iPhone and Android operating systems, and worked with select informatics companies to incorporate the NCCN Guidelines into electronic decision-assist tools.

Given the reach of the NCCN Guidelines, there was an inherent need to transpose this complex clinical content into a consumer-friendly format. In turn, the NCCN Guidelines for Patients™ were launched to help educate patients and caregivers about the appropriate treatment options for specific cancer diagnoses. Made possible through generous financial support of the newly launched NCCN Foundation, select editions of the NCCN Guidelines for Patients™ are now readily available on-line at NCCN.com and in paper format.

The NCCN Compendium™ continued to be widely utilized by public and private payors alike in their coverage determinations for drugs and biologics in cancer care. Given the unique needs of large employers, NCCN also embarked on a multi-year initiative with the National Business Group on Health (NBGH), the representative organization for Fortune 500 companies focused on national health policy issues, to develop a model template for benefit design in cancer care.

NCCN continued to offer a wide spectrum of successful in-person and web-based conferences and symposia this past year. The NCCN 15th Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™ once again set a new attendance record with more than 1,800 registrants; and the NCCN 5th Annual Congress: Hematologic Malignancies™ was forced to close registration after the volume of interest quickly exceeded capacity. The NCCN Patient Safety Summit was held and addressed such topical issues as radiation safety, strategies to prevent oral chemotherapy errors, safety and accountability, and improving the quality of cancer care through the prevention of health care-associated infections. The NCCN 2010 Congress Series was also formally launched and included dynamic programs on the NCCN Guidelines for Breast, Gastrointestinal, Genito-Urinary, and Respiratory Tract Cancers.

The breadth of interest in the NCCN Guidelines also continued to extend well beyond our shores. In 2010, NCCN held Guideline-related conferences and symposia in such countries as China, Brazil, Japan, and Saudi Arabia. By engaging such a broad and diverse international audience, we continue to see the NCCN Guidelines being adapted and incorporated into clinical practice around the globe.

Given the significant impact that health care reform and other regulatory requirements have had on the oncology space, NCCN took an active leadership role in 2010 by hosting policy summits on such issues as the Food and Drug Administration’s Risk Evaluation & Mitigation Strategies (REMS) requirements, and off-label indications and the use of compendia in cancer care. NCCN also tailored a policy summit for the patient advocacy community in order to focus on the needs of patients and caregivers in this ever-changing environment.

JNCCN – The Journal of the National Comprehensive Cancer Network rose in rankings to become the third most read oncology publication. JNCCN also moved from publishing 10 issues to 12 issues per year and continues to make the journal readily available on-line at JNCCN.org.

The preceding only constitutes a snapshot of some of our key initiatives this past year. As you peruse this Annual Report, you will also learn about the continued success of many of our other existing programs, such as the NCCN Oncology Outcomes Database, NCCN Oncology Research Program, NCCN Best Practices, and NCCN Insights™: Analytics, Research & Consulting.

On behalf of the NCCN Board of Directors and the NCCN staff, we thank you for your continued interest and support of NCCN. By working together, we will continue to make significant strides in fulfilling our overarching mission of improving the quality, effectiveness, and efficiency of oncology practice so that patients can live better lives.

Sincerely,

Thomas A. D’Amico, MD
Chair, NCCN Board of Directors
Duke Cancer Institute

William T. McGivney, PhD
Chief Executive Officer
National Comprehensive Cancer Network
NCCN Overview and Mission Statement

The National Comprehensive Cancer Network® (NCCN®), a not-for-profit alliance of 21 of the world’s leading cancer centers, is dedicated to improving the quality and effectiveness of care provided to patients with cancer. Through the leadership and expertise of clinical professionals at NCCN Member Institutions, NCCN develops resources that present valuable information to the numerous stakeholders in the health care delivery system. As the arbiter of high-quality cancer care, NCCN promotes the importance of continuous quality improvement and recognizes the significance of creating clinical practice guidelines appropriate for use by patients, clinicians, and other health care decision-makers. The primary goal of all NCCN initiatives is to improve the quality, effectiveness, and efficiency of oncology practice so patients can live better lives.

NCCN is dedicated to improving care along the continuum of cancer screening, diagnosis, treatment, and follow-up. NCCN communicates sound, evaluative clinical information to enhance the decision-making processes of patients, physicians, and others who influence access to and the choice of cancer care.

World-renowned experts from NCCN Member Institutions diagnose and treat patients with a broad spectrum of cancers and are recognized for dealing with complex, aggressive, or rare cancers. More than 160,000 new patients receive cancer care at NCCN Member Institutions over the course of any year. NCCN Member Institutions pioneered the concept of the multidisciplinary team approach to patient care and lead the fight against cancer as they integrate programs in patient care, research, and education. Our programs offer access to expert physicians, superior treatment, and quality and safety initiatives that continuously improve the effectiveness and efficiency of cancer care. Forty-one Nobel Prize winners have served on the faculties of NCCN Member Institutions.
The NCCN Guidelines include more than 135 guidelines that are updated continuously as new research data and clinical evidence emerge.

Recommendations in the NCCN Guidelines are classified according to the following: NCCN Categories of Evidence and Consensus

**Category 1:** The recommendation is based on high–level evidence (e.g., randomized controlled trials) and there is uniform consensus.

**Category 2A:** The recommendation is based on lower–level evidence and there is uniform consensus.

**Category 2B:** The recommendation is based on lower–level evidence and there is nonuniform consensus (but no major disagreement).

**Category 3:** The recommendation is based on any level of evidence but reflects major disagreement.
The NCCN Guidelines™ – the recognized standard for clinical policy in oncology – are the most comprehensive and most frequently updated clinical practice guidelines available in any area of medicine. Covering 97% of all patients with cancer and updated on a continual basis, the NCCN Guidelines are developed through an explicit review of the evidence integrated with expert medical judgment by multidisciplinary panels from NCCN Member Institutions. Specific treatment recommendations are implemented through performance measurement. NCCN Guidelines Panels address cancer detection, prevention and risk reduction, workup and diagnosis, treatment and supportive care.

NCCN Guidelines have become the most widely used guidelines in oncology practice and have been requested by cancer care professionals in more than 115 countries. There has also been substantial international interest in translating the NCCN Guidelines into a variety of languages. Select NCCN Guidelines have been translated into Chinese, German, Italian, Japanese, Korean, Polish, Portuguese, Russian, Spanish, and Turkish.

During 2010, NCCN produced 7,000 copies of the Complete Library of NCCN Guidelines on CD-ROM and more than 114,000 in pocket guideline format. In addition, nearly 3.4 million PDF copies of the NCCN Guidelines were downloaded from NCCN.org.

NCCN reaches a wide clinical audience by featuring our educational content on the NCCN, Medscape, and QuantiaMD websites. NCCN posted the 2010 NCCN Guidelines for Breast Cancer, Non-Small Cell Lung Cancer, and Prostate Cancer on Medscape's website. NCCN also posted 30 Continuing Education (CE) programs originating from the NCCN 15th Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™, NCCN 5th Annual Congress: Hematologic Malignancies™, NCCN Congress Series: Genitourinary Cancers™, NCCN 2010 Congress Series: Respiratory Tract Cancers™, and NCCN Guidelines Update Webinar Series™, as well as original content, on NCCN.org, Medscape.com, and QuantiaMD.com.
Based directly on the NCCN Guidelines, the NCCN Compendium™ contains authoritative, scientifically derived information designed to support decision-making about the appropriate use of drugs and biologics in patients with cancer. The NCCN Compendium is recognized by the Centers for Medicare & Medicaid Services (CMS) and UnitedHealthcare, along with other insurers, as an authoritative reference for oncology coverage policy. Managed care medical directors, pharmacy benefits directors, and other health care professionals also reference the NCCN Compendium when making decisions that impact patient access to appropriate therapy. The uses identified are based upon evaluation of evidence from scientific literature integrated with expert judgment in an evidence-based process. Indicated uses are categorized in a systematic approach that describes the type of evidence available for and the degree of consensus underlying each recommendation. All recommendations (at all category levels) in the NCCN Compendium constitute appropriate, medically necessary care. The NCCN Compendium lists both FDA-approved uses and appropriate uses beyond the FDA-approved label.

Available electronically on NCCN.org, the NCCN Compendium is updated in conjunction with the NCCN Guidelines on a continual basis.
The NCCN Templates standardize the chemotherapy ordering process to reduce medication errors and improve patient outcomes.
More than 22,000 oncologists and other cancer care professionals across the United States read JNCCN – The Journal of the National Comprehensive Cancer Network. This peer-reviewed, indexed medical journal, edited by Harold J. Burstein, MD, PhD, provides the latest information about best clinical practices, oncology outcomes, and new research initiatives.

JNCCN features updates of the NCCN Guidelines, timely reviews and commentaries elaborating on Guideline recommendations and expanding on important themes and emerging practices, and health services and clinical research papers. JNCCN’s mission is to improve the quality of cancer care by addressing oncology practice for all disease stages and presentations. Content covers the entire spectrum of oncologic health care, from prevention and screening to treatment and supportive care.

JNCCN is dedicated to improving the quality of cancer care locally, nationally, and internationally while enhancing the collaboration between academic medicine and the community physician. JNCCN is further committed to sharing outstanding clinical practices and insights by contributing to the creation of excellence in cancer care for more people and reporting rigorous outcomes data collected and analyzed by the experts from the world's leading care centers.
<table>
<thead>
<tr>
<th></th>
<th>2010</th>
<th>2011</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>January</strong></td>
<td>Anal Carcinoma</td>
<td>Ovarian Cancer</td>
</tr>
<tr>
<td></td>
<td>Colorectal Screening</td>
<td>Myelodyplastic Syndromes</td>
</tr>
<tr>
<td><strong>February</strong></td>
<td>Prostate Cancer</td>
<td>Breast Cancer</td>
</tr>
<tr>
<td></td>
<td>Prostate Cancer Early Detection</td>
<td></td>
</tr>
<tr>
<td><strong>March</strong></td>
<td>Non-Hodgkin Lymphoma:</td>
<td>Acute Myeloid Leukemia</td>
</tr>
<tr>
<td></td>
<td>- Burkitt Lymphoma</td>
<td></td>
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<tr>
<td></td>
<td>- Lymphoblastic Lymphoma</td>
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<td></td>
<td>- AIDS-Related B-Cell Lymphoma</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- Pathology Algorithm</td>
<td></td>
</tr>
<tr>
<td><strong>April</strong></td>
<td>Distress Management</td>
<td>Central Nervous System Cancers</td>
</tr>
<tr>
<td></td>
<td>Gastric Cancer</td>
<td></td>
</tr>
<tr>
<td><strong>May</strong></td>
<td>Genetic/Familial High-Risk Assessment:</td>
<td>Non-Hodgkin’s Lymphomas</td>
</tr>
<tr>
<td></td>
<td>Breast and Ovarian</td>
<td>- Chronic Lymphocytic Leukemia/Small</td>
</tr>
<tr>
<td></td>
<td>Thyroid Carcinoma:</td>
<td>Lymphocytic Lymphoma</td>
</tr>
<tr>
<td></td>
<td>Medullary Carcinoma</td>
<td>- Follicular Lymphoma</td>
</tr>
<tr>
<td><strong>June</strong></td>
<td>Soft Tissue Sarcoma</td>
<td>Head and Neck Cancers:</td>
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<td></td>
<td>Bone Cancer</td>
<td>- Cancer of the Oral Cavity</td>
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<td>- Cancer of the Oropharynx</td>
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<td>- Cancer of the Hypopharynx</td>
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<td>- Cancer of the Glottic Larynx</td>
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<td>- Cancer of the Supraglottic Larynx</td>
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<td>- Cancer of the Nasopharynx</td>
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<tr>
<td></td>
<td></td>
<td>- Advanced Head and Neck Cancer</td>
</tr>
<tr>
<td><strong>July</strong></td>
<td>Non–Small Cell Lung Cancer</td>
<td>Venous Thromboembolic Disease</td>
</tr>
<tr>
<td></td>
<td>Cancer-Related Fatigue</td>
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<tr>
<td><strong>August</strong></td>
<td>Non-Melanoma Skin Cancer</td>
<td>Esophageal Cancer</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Myeloid Growth Factors</td>
</tr>
<tr>
<td><strong>September</strong></td>
<td>Pancreatic Adenocarcinoma</td>
<td>Kidney Cancer</td>
</tr>
<tr>
<td></td>
<td>Adult Cancer Pain</td>
<td>Hodgkin’s Disease/Lymphoma</td>
</tr>
<tr>
<td><strong>October</strong></td>
<td>Breast Cancer Risk Reduction</td>
<td>Multiple Myeloma</td>
</tr>
<tr>
<td></td>
<td>Breast Cancer: Non-Invasive and Special</td>
<td>Small Cell Lung Cancer</td>
</tr>
<tr>
<td></td>
<td>Situations</td>
<td></td>
</tr>
<tr>
<td><strong>November</strong></td>
<td>Thyroid Carcinoma: Follicular and</td>
<td>Colon Cancer</td>
</tr>
<tr>
<td></td>
<td>Papillary Carcinoma</td>
<td></td>
</tr>
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<td></td>
<td>Thymic Malignancies</td>
<td></td>
</tr>
<tr>
<td><strong>December</strong></td>
<td>Cervical Cancer</td>
<td>Occult Primary/Lung Screening</td>
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<td>Cervical Cancer Screening</td>
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* This schedule represents the best information currently available. NCCN reserves the right to alter the editorial calendar without notice.
NCCN CLINICAL RECOMMENDATIONS
NCCN.org

NCCN.org is a valuable resource for clinical professionals and other health care decision-makers who rely on the website for access to the latest updates to the NCCN Guidelines, the NCCN Compendium, and the NCCN Templates. Clinical professionals can also register for educational events and resources; complete on-line continuing education programs; learn about the most recent developments at NCCN; and order NCCN resources, including pocket-sized versions of NCCN Guidelines, the Complete Library of NCCN Guidelines on CD-ROM, and accredited materials such as archived presentations on CD-ROM. Comprehensive information about NCCN Member Institutions is available along with links to the websites of each NCCN Member Institution. Links are also provided to connect clinical professionals and other health care decision-makers to NCCN.com – a website devoted to patients, caregivers, and their families.

In 2010, NCCN.org had more than 1.1 million unique visitors.
NCCN Educational Events & Resources

NCCN 15th Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™

The NCCN Annual Conference: Clinical Practice Guidelines & Quality Cancer Care™ attracts more than 1,800 registrants from across the United States and the globe, including oncologists (in both community and academic settings), oncology fellows, nurses, pharmacists, and other health care professionals involved in the care of patients with cancer. Respected opinion leaders present the latest cancer therapies and provide updates on selected NCCN Guidelines, the data upon which the NCCN Guidelines are based, and quality initiatives in oncology. Topics change annually but continue to focus on the major cancers and supportive care areas. The NCCN Annual Conference also includes case study discussion forums with experts from NCCN Member Institutions and roundtable discussions featuring the foremost professionals from the academic, patient advocacy, government, payor, industry, and business realms of cancer care.

In 2010, nearly 6,000 copies of enduring materials from the NCCN 15th Annual Conference were distributed on CD-ROM, and more than 27,500 viewers accessed these activities as webcasts between May and December 2010.

A record number of more than 1,800 oncologists, oncology fellows, nurses, pharmacists, and others involved in the treatment of people with cancer registered for the NCCN 15th Annual Conference.

NCCN 5th Annual Congress: Hematologic Malignancies™

Treatment of hematologic malignancies is increasingly complex. Issues relating to pathology, transplantation, and various new therapies require oncologists and hematologists to stay abreast of breakthrough advances. In addition, targeted therapies and oral treatments bring the latest benefits to patients. This program focuses on new approaches that have been incorporated into patient management, including the use of drugs, biologics, and diagnostics. At the NCCN 5th Annual Congress, agenda topics included the NCCN Guidelines for Chronic Myelogenous Leukemia (CML), Lymphomas, Plasma Cell Neoplasms, and supportive care and practice issues in hematologic malignancies. In 2010, the NCCN Annual Congress had a record number of more than 1,300 registrants.
The NCCN Congress Series provides a comprehensive analysis of the evidence and clinical decision-making that result in the development of the NCCN Guidelines. NCCN provides continuing education to community oncologists and other health care professionals, and the opportunity to hear presentations by NCCN Guidelines Panel Members and other esteemed national speakers. Content is offered both through on-site meetings and in webinar format. The NCCN Congress Series programs included programs on the NCCN Guidelines for Breast Cancer, Gastrointestinal Cancers (including colorectal, hepatocellular, pancreatic, and gastric/esophageal cancers), Genitourinary Cancers (including prostate, bladder, and kidney cancers), and Respiratory Tract Cancers (including head and neck cancers, non-small cell lung cancer, small cell lung cancer, and central nervous system metastases).

Live Program: January 28, 2010
Location: Chicago, IL
Webinars: June – August 2010

NCCN 2010 Congress Series: Gastrointestinal Cancers™
Live Program: September 14, 2010
Location: Philadelphia, PA
Webinars: November – December 2010

NCCN 2010 Congress Series: Genitourinary Cancers™
Live Program: October 18, 2010
Location: Chicago, IL

NCCN 2010 Congress Series: Respiratory Tract Cancers™
Live Program: December 10, 2010
Location: Philadelphia, PA
NCCN Educational Events & Resources

NCCN Guidelines Update Webinar Series™

The NCCN Guidelines Update Webinar Series is designed to quickly communicate significant updates to the NCCN Guidelines. These live webinars consist of a presentation by an NCCN Guidelines Panel Member as well as an interactive question and answer period for participants. During the webinars there is discussion of the issues considered by the NCCN Guidelines Panels that resulted in changes to the NCCN Guidelines, new data is compared with existing standards of care, and significant studies that supported modification of the recommendations are reviewed. In 2010, the NCCN Guidelines Update Webinars attracted more than 1,025 participants.

The following webinars were held in 2010:
- Chronic Myelogenous Leukemia
- Non-Hodgkin's Lymphomas
- Prostate Cancer

NCCN Academy for Excellence & Leadership in Oncology™

School of Pharmaceutical & Biotech Business

Through this interactive program, pharmaceutical and biotechnology professionals are given the rare opportunity to view the oncology space, its future, and its current operational issues from the provider and payor perspectives, among others. Presented by dynamic experts in the field, NCCN Academy features modules that focus on real-world trends, including policy, coverage, reimbursement, informational, and operational issues in oncology.

Professionals from marketing, sales, medical affairs, clinical research, policy and government affairs, and other business areas within the pharmaceutical and biotech industries gather valuable insights in developing effective strategies for navigating the various constituencies in cancer care and are better able to serve their customers upon completion of this program.

In 2010, NCCN Academy programs were held in Hollywood, FL; Philadelphia, PA; and New York, NY. New modules were added that addressed perspectives from pharmacy directors, community doctors, informatics system users and stakeholders, and investors. NCCN has also made NCCN Academy Video Modules available to license to companies for internal training purposes.
Signed into law on September 27, 2007 and effective on March 25, 2008, the Food and Drug Administration Amendments Act of 2007 (FDAAA) gave the FDA “enhanced authorities regarding postmarket safety of drugs.” Among other regulations, this authority allows the FDA to require REMS for drugs or biologics that the agency determines carry a high risk potential. REMS may require clinicians to provide patients with a medication guide and/or comply with elements to assure safe use (e.g., enroll in a registry program). In response to these regulatory changes, NCCN maintains dedicated pages on both NCCN.org and NCCN.com to serve as reference tools for clinicians and patients seeking more information about drugs and biologics requiring REMS. The current REMS clinician page at NCCN.org lists agents used in oncology care that have an FDA-approved REMS, including those for active treatment and those used for supportive care. The listings are comprised of the drug names (brand and generic), manufacturer, disease indications (according to the NCCN Compendium), and required REMS components. Currently, there are 19 drug listings on the page, eight of which require elements to assure safe use.
NCCN Educational Events & Resources

NCCN Oncology Case Management Program™

NCCN offers oncology case management education programs designed to meet the needs of case managers and medical directors in managed care organizations and other clinical settings. The program highlights the comprehensive cancer care delivered by NCCN Member Institutions. Program participants are educated on the NCCN Guidelines and the NCCN Compendium. Other topics covered include an overview of oncology care today with an emphasis on complex cancers; communicating with patients with cancer and addressing end-of-life issues; emerging pharmaceutical and technology issues in cancer care; and understanding clinical trials. Content is offered at on-site meetings and via webinar. NCCN offers continuing education credits for nurses (CEU), case managers (CCM), and physicians (CME). NCCN also provides other topics of importance to these audiences via 90-minute presentations offered as webinars. All 2010 programs were made available to audiences from managed care and other organizations.

2010 NCCN Oncology Case Management Programs™

LIVE EVENTS:

- NCCN Oncology Case Management Program™ 5/14/2010 – Dallas, TX
- NCCN Oncology Case Management Program™ 7/16/2010 – Chicago, IL
- NCCN Oncology Case Management Program™ 12/3/2010 – Los Angeles, CA

WEBINAR EVENTS:

- NCCN Oncology Case Management Program™
  Webinar: Oncology Overview, Parts I and II – 4/5/2010 and 4/15/2010
- NCCN Oncology Case Management Program™
  Webinar: Communicating with Patients – 6/22/2010 and 12/7/2010
- NCCN Oncology Case Management Program™
- NCCN Oncology Case Management Program™
  Webinar: Overview of Gynecologic Malignancies – 9/17/2010
- NCCN Oncology Case Management Program™
  Webinar: Overview of Hematologic Malignancies – 10/1/2010
- NCCN Oncology Case Management Program™
  Webinar: Overview of Stem Cell Transplantation – 10/29/2010
- NCCN Oncology Case Management Program™
  Webinar: Targeted Therapies – 11/12/2010
NCCN Educational Events & Resources

NCCN International Programs

The NCCN Guidelines continue to evolve as the world standard for clinical practice and policy decision-making. In 2010, the value of NCCN’s evidence-based, expert-derived recommendations to ex-U.S. practitioners was quite pronounced, evidenced by the escalating amount and breadth of foreign requests to NCCN.

NCCN presented the NCCN Guidelines and supporting data at interactive educational programs in Gramado, Brazil; Beijing, Shanghai, and Guangzhou, China; and Tokyo, Japan. Additionally, regional experts presented information about their patient populations and respective management approaches to the disease states. On the global stage, NCCN addressed areas such as screening, staging, and therapeutic strategies for tumor types. Multidisciplinary management approaches to certain oncologic diseases were discussed by medical oncologists, surgical oncologists, and radiation oncologists from world-recognized NCCN Member Institutions and leading foreign cancer centers. The NCCN Annual Asia Scientific Congress in China continues to attract more than 3,000 delegates per year. The 2010 NCCN China outreach included two additional Guidelines: Adult Pain and Pancreatic Cancer. The NCCN Guidelines on Breast Cancer were presented in Gramado, Brazil and Tokyo, Japan.

In conjunction with the live programs, NCCN held consensus meetings with local experts to develop and update the foreign editions of the NCCN Guidelines. Such editions are NCCN Guidelines derivatives, which include adaptations accounting for metabolic differences in populations, accessibility of technology, and regulatory status of health care technologies used in cancer management in the specified country. The foreign editions of NCCN Guidelines are developed by the host country’s oncology thought leaders in conjunction with NCCN Guidelines Panel Members. Modified NCCN Guidelines are published and distributed locally to aid clinicians in determining appropriate and effective avenues of care.

In 2010, NCCN developed or updated China Editions of the Adult Pain, Breast, Cervical, Colon, Gastric, Head & Neck, Kidney, Non-Small Cell Lung, Ovarian, Pancreatic, and Rectal Cancer Guidelines as well as the China Edition of the Non-Hodgkin’s Lymphomas Guidelines. The launch of NCCN’s initial Latin America outreach will result in NCCN Guidelines: Latin America Editions on Breast and Non-Small Cell Lung Cancer. These will be made available in Spanish and Portuguese.
Requests for translations of NCCN materials increased in 2010, with 18 countries seeking NCCN Guidelines resources in their native languages. A major, national university in Kyoto, Japan continues its work on direct, non-adapted translations of the Complete Library of NCCN Guidelines into Japanese. NCCN has also granted permission for all NCCN Guidelines on hematologic malignancies to be translated into Russian.

As an integral component of the NCCN outreach in the Middle East and North Africa (MENA) region, NCCN announced the MENA Coordinating Office for NCCN Collaboration in Riyadh, Saudi Arabia. This Office will serve to coordinate activities relating to the NCCN MENA collaboration, including the MENA Congress and the current and future development and publication of clinical resources.

In the United States, the NCCN Global Leadership Exchange program was conducted for a group of Chinese Chronic Myelogenous Leukemia (CML) cancer experts. The program included meetings with NCCN leadership as well as faculty presentations and tours at an NCCN Member Institution. This provided opportunity for exploration of the latest information on CML clinical research, diagnosis, and treatment in the United States, and specifically at a leading comprehensive cancer center. NCCN also held a workshop to introduce the NCCN Guidelines for CML to the Chinese thought leaders.

Approximately 45% of registered users of the NCCN Guidelines, NCCN Compendium, and NCCN Templates on NCCN.org reside outside the United States, illustrating that the interest and implementation of NCCN resources in the global community continues to flourish.
The NCCN Oncology Research Program (ORP) is organized to obtain funding to support scientifically meritorious research projects at NCCN Member Institutions. Policies and standards for the program were set by the NCCN Investigator Steering Committee, a group comprised of senior research physicians appointed by each NCCN Member Institution. The NCCN ORP has received more than $28 million in research grants from major pharmaceutical companies to support investigator-initiated trials. These trials explore new venues of clinical investigation that answer important scientific questions. Studies evaluate innovative combinations and sequencing regimens of drugs, drug resistance, mechanisms of action of specific agents, or explore extended uses for specific agents.

NCCN has received the following grants to support investigator-initiated trials:
- Abraxis BioScience, Inc. and AstraZeneca – $2,075,000 for clinical studies of paclitaxel, albumin-bound
- Allos Therapeutics, Inc. – $2,304,202 for clinical studies of pralatrexate
- Bristol-Myers Squibb Company and ImClone Systems Incorporated – $3,355,232 for clinical studies of cetuximab in head and neck cancers and bladder cancers
- Cephalon, Inc. – $1,810,015 for clinical studies of bendamustine
- GlaxoSmithKline – $4,000,000 for clinical studies of pazopanib and ofatumumab
- Merck & Co., Inc. – $1,046,380 for clinical studies of vorinostat
- Pfizer, Inc. – $3,150,000 for clinical studies of irinotecan and celecoxib
- Pfizer, Inc. – $2,100,000 for clinical studies of axitinib, a drug in development
- Pfizer, Inc. – $2,000,000 for preclinical and specialized imaging studies of sunitinib
- Roche Laboratories, Inc. – $2,500,000 for clinical studies of capcitabine
- Wyeth Pharmaceuticals, Inc., a Pfizer company – $4,150,000 for clinical studies of temsirolimus

A new initiative of the NCCN ORP in 2010 has been the establishment of the NCCN Specialized Imaging Research Consortium (SIRC). The mission of the SIRC is to advance the treatment of cancer patients through the clinical application of specialized imaging technologies by performing high-quality clinical trials of emerging therapeutics integrated with evidence-based research to guide the use of advanced imaging in clinical cancer care. In particular, the SIRC aims to:
- Establish and standardize new models for predicting and monitoring response to therapy
- Develop a better understanding of the mechanisms of tumor resistance
- Use imaging and analytic systems to advance cancer drug development
- Share or distribute this information with the radiology community
- Stimulate collaborative efforts to evaluate technically challenging treatment approaches
- Provide expertise to help evaluate the role of imaging in clinical cancer care and guide its use

The NCCN ORP recognizes the need for multi-institutional trials in order to complete studies faster, and has built an infrastructure for the SIRC to support them. An advisory group made up of medical oncologists and disease-specific specialized imaging experts provides direction for the consortium and serves as a resource to industry in their drug development strategies.

NCCN Member Institutions possess high-quality basic science laboratories and clinical research infrastructures and see a diverse patient population. All of which are critical to conducting innovative research that will lead to discoveries in cancer and, hopefully, a cure. NCCN is dedicated to supporting the research endeavors of the NCCN Member Institutions and believes the initiatives and programs it has in place through the NCCN ORP are instrumental in their quest for a cure.
NCCN Research & Business Resources

NCCN Oncology Outcomes Database

The NCCN Oncology Outcomes Database is a network-based data collection, reporting, and analytic system that describes the patterns and outcomes of care delivered in the management of patients with cancer. The concept for the database was established in 1996, and the operation of the first database in breast cancer followed in July of 1997. With the NCCN Oncology Outcomes Database, NCCN seeks to implement the NCCN Guidelines through performance measurement. The objectives for data collection and reporting are to:

- Describe the patterns of care within NCCN Member Institutions
- Measure concordance of practice in NCCN Member Institutions with NCCN Guidelines recommendations
- Evaluate the outcomes of such practice patterns
- Deliver benchmarked data to participating NCCN Member Institutions, practicing physicians, and NCCN Guidelines Panels to facilitate the continuous improvement of the quality of cancer care
- Identify the most efficient and cost-effective strategies for the management of common oncologic conditions
- Offer benchmarking capabilities to NCCN Member Institutions that compare network data, institutional data, and, eventually, community data
- Create a major research resource and repository of data for clinical and health service researchers to access and derive hypothesis-generated analyses

Presently, the NCCN Oncology Outcomes Database has five active database components: breast, colon/rectal, non-small cell lung and ovarian cancers, and non-Hodgkin’s lymphoma.

<table>
<thead>
<tr>
<th></th>
<th>Year Initiated</th>
<th>Breast Cancer</th>
<th>Colon and Rectal Cancers</th>
<th>Non-Small Cell Lung Cancer</th>
<th>Ovarian Cancer</th>
<th>Non-Hodgkin’s Lymphoma</th>
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<tr>
<td># of NCCN Member Institutions</td>
<td>18*</td>
<td>8</td>
<td>8</td>
<td>6</td>
<td>7</td>
<td></td>
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<tr>
<td># of Patients</td>
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<td>6,560</td>
<td>4,645</td>
<td>1,167</td>
<td>5,002</td>
<td></td>
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</tbody>
</table>

*and 18 community sites
NCCN Research & Business Resources
NCCN Oncology Policy Programs

In 2010, NCCN held three Oncology Policy Summits: NCCN Oncology Summit: Recommendations for REMS Stakeholders; NCCN Patient Advocacy Summit; and NCCN Oncology Policy Summit: Off-Label Drug Use and Compendia. These policy summits were a continuation of an initiative started in 2009, allowing NCCN to bring together oncology stakeholders to discuss issues and develop recommendations around important health policy topics. These topics impact how physicians practice and the care patients with cancer receive. NCCN will continue this initiative in 2011 with the addition of oncology policy summits that will focus on biosimilars and molecular testing.

The successful design, implementation, and analysis of the FDA’s recent requirement for REMS for high-risk drugs and biologics presents significant challenges for stakeholders, including patients, providers, manufacturers, payors, health information technology vendors, and government agencies. To provide guidance to these stakeholders regarding these challenges, NCCN assembled a Work Group in March of 2010 comprised of thought leaders from NCCN Member Institutions and outside organizations. These multidisciplinary thought leaders represented providers (physicians, pharmacists, and nurses), patients, manufacturers, payors, and government. The Work Group developed recommendations around nine main areas of concern that were presented at the NCCN Oncology Summit: Recommendations for REMS Stakeholders on May 7, 2010 in Washington, DC. Based on the presentations and resulting discussion, NCCN published a white paper entitled “NCCN Oncology Risk Evaluation and Mitigation Strategies White Paper: Recommendations for Stakeholders” in JNCCN in September 2010. A summary of recommendations was also submitted to the FDA.

Patient advocacy groups help ensure oncology patients receive appropriate and timely care, education, financial assistance when needed, and other much needed social services. NCCN convened the NCCN Patient Advocacy Summit on September 23, 2010 in Washington, DC to bring together oncology patient advocacy groups to provide education and discussion on major developments in oncology and health policy, and to facilitate these groups and other stakeholders in discussion about strategies for filling service and educational gaps while sharing best practices. A summary of the meeting was prepared and posted on both NCCN.org and NCCN.com for those who could not attend the Summit.

On December 17, 2010, NCCN convened the NCCN Oncology Policy Summit: Off-Label Drug Use and Compendia in Washington, DC. The NCCN Oncology Policy Summit examined the use of compendia by public and private payors, looking at issues such as categories of evidence, compendia processes, and availability of data, among others. Further, the Summit explored the existing guidance, and surrounding interpretation, on the legality of dissemination of various clinical and scientific documents that contain off-label uses. The Summit concluded in a roundtable with the Centers for Medicare and Medicaid Services (CMS) recognized compendia where the future of compendia, their use, and their response to current and future events were discussed.
NCCN Research & Business Resources
Managed Care Collaborations

NCCN collaborates with managed care organizations and insurance companies to facilitate patient access to NCCN Member Institutions and to improve the quality and outcome of care delivered to patients with cancer. NCCN works with payors to ensure that patients have access to the expert and specialized services available at these leading cancer centers. NCCN aims to facilitate this process so that patients and health professionals can benefit from NCCN Member Institutions’ commitment to providing the highest quality cancer care.

In 2010, NCCN had active initiatives in place with UnitedHealthcare, OptumHealth, BlueCross BlueShield Association, and Humana. NCCN collaborates with these organizations on programs related to quality, coverage, reimbursement, and outcomes in cancer care.

Since 2000, NCCN has collaborated with OptumHealth (a division of United Health Group) in the development and continued evolution of Cancer Resource Services (CRS), a cancer “centers of excellence” program that supports patients in making informed decisions about their care and where to receive it, and the Cancer Support Program, which also includes case management support for individuals with cancer.

NCCN has also been a strategic collaborator with the BlueCross BlueShield Association and participating Blue Cross and Blue Shield plans on the development of Blue Distinction Centers for Complex and Rare Cancers℠ (focusing on complex inpatient and surgical care) and other Blue Distinction® programs in oncology. Blue Distinction recognizes facilities that meet objective, evidence-based thresholds for clinical quality, developed in collaboration with expert clinicians and leading professional organizations. In 2010, NCCN continued to work with the Association in the next phase of Blue Distinction program development, which focuses on breast and colon cancers and modifications to the Complex and Rare Cancers program.

In 2010, NCCN also established a program to recognize organizations that support the coverage of routine costs of care in clinical trials and off-label use of drugs when concordant with the NCCN Compendium. This initiative is also intended to motivate organizations to adopt such policies and/or encourage their customers to do so. Organizations that attest to these policies and practices will be recognized on NCCN.org beginning in January 2011.
NCCN Research & Business Resources

NCCN Insights™: Analytics, Research, & Consulting

Through several new tools and services, NCCN provides insight, research, and analysis on oncology practice patterns and key issues in the cancer environment as well as immediate notification of NCCN information product updates at the time of publication.

NCCN Trends™ Surveys & Data

NCCN Trends™ is a survey-based data and analytics tool from NCCN that researches how clinicians in the United States and abroad deliver cancer care. NCCN Trends™ Surveys research questions about patterns of care and preferences for use of diagnostics, drugs and biologics, and other cancer treatment modalities.

Data is gathered by sending brief electronic surveys to the thousands of clinicians who use NCCN.org to access information. These clinicians include physicians in diverse practice settings, such as academic/research cancer centers, community hospitals, and private practices. In 2010, NCCN conducted 19 NCCN Trends™ Surveys, averaging nearly 1,000 clinician respondents.

NCCN Trends™ Surveys and Data are independent of any NCCN clinical recommendations or Guidelines. Participants in the surveys receive a summary of survey results that offers insight into their own practice.

NCCN Oncology Insights Reports™

NCCN Oncology Insights Reports™ bring expertise and depth of knowledge in cancer care to audiences who need to access timely and relevant insight on oncology policy, economics, and market changes. These reports bring together clinical knowledge, policy and economic analysis, qualitative research, and quantitative data with the goal of providing comprehensive and up-to-date information on current factors, emerging trends, and future directions influencing the oncology environment. In 2010, NCCN published: “Understanding Data and Information on Policy and Decision-making, Non-Small Cell Lung Cancer.”

NCCN Flash Updates™

NCCN Flash Updates™ is a service from NCCN that provides timely access to updated and new information that appears in the published NCCN Guidelines and NCCN Compendium. These update notifications are delivered straight to subscribers’ inboxes.

NCCN eBulletin Newsletter

NCCN eBulletin is an electronic newsletter delivered every other Monday to all registered users of NCCN.org. NCCN eBulletin features articles on topics including, clinical and operational trends in the delivery of cancer care and the oncology health policy environment, notification of recent updates to the NCCN Guidelines, and links to notable advances in treatment and research at the NCCN Member Institutions.
The National Business Group on Health and NCCN announced a collaboration, beginning in December 2010, that will lead to a series of comprehensive resources and tools for large employers, including an *Employer’s Guide to Cancer Treatment and Prevention*. This comprehensive set of tools and recommendations for the entire spectrum of employer-sponsored benefits and programs will be evidence-based; NCCN Guidelines will be an important basis of the evidence on many topics. Work will be guided by an advisory panel consisting of clinical experts, employee benefit executives and consultants, managed care and pharma industry leaders, disability and behavioral health experts, patient advocates, and others. William T. McGivney, PhD (NCCN), Thomas D’Amico, MD (Duke Cancer Institute), and Samuel M. Silver, MD (University of Michigan Comprehensive Cancer Center) are representatives from NCCN and NCCN Member Institutions. Patricia J. Goldsmith, Executive Vice President and Chief Operating Officer, and Elizabeth Danielson, MHA, Director of Payor Relations, are the primary NCCN staff with responsibility and oversight for the initiative.

This three-year project begins as employers are increasingly concerned about and focused on the impact of cancer on their workforces. Employers are interested not only in reining in costs, but also in ensuring that employers and employees receive value for the money they spend on cancer care. Employers care about supporting employees dealing with their own cancer diagnosis or that of a family member as well as the disease’s impact on their overall workforce. A high priority is placed on retaining valued employees, and helping them – and their coworkers – remain productive and engaged during treatment or while providing care to a loved one with cancer.

This is a uniquely important opportunity to develop a comprehensive, evidence-based set of recommendations for large employers that will often serve as a laboratory for health benefit innovation. Large employers’ successful innovations are frequently adopted by smaller employers, managed care organizations, and the public sector. Thus, the potential for impacting the quality and value of benefits is likely to extend far beyond the employees of the National Business Group on Health’s 300 members.
NCCN Patient Initiatives
NCCN.com

NCCN.com is a website devoted to patients, caregivers, and their families. It is the only patient-oriented cancer website to include the NCCN Guidelines for Patients™, based on the NCCN Guidelines, which set the standard of care for clinicians around the globe. The goal of NCCN.com is to provide valuable, cancer-related resources for patients and survivors, as well as their caregivers, families, and friends. NCCN.com affords patients with information that serves them through treatment and beyond.

NCCN, the world’s leading authority for cancer information for clinicians, is now just a click away for patients and caregivers.

NCCN.com helps patients, survivors, families, and friends:
• Use the NCCN Guidelines for Patients™ and the NCCN Treatment Summaries for People with Cancer™ to make treatment decisions for both early and late-stage disease
• Learn more about NCCN Member Institutions and their initiatives
• Locate financial, prescription, and other kinds of assistance for cancer care
• Understand insurance and find the best types of insurance plans
• Manage fatigue and other symptoms of cancer and cancer treatment
• Understand basic information about cancer
• Learn how to discuss their cancer with others, including physicians
• Live well with, and after, cancer
NCCN Patient Initiatives

NCCN Guidelines for Patients™

NCCN aims to provide people with cancer and the general public state-of-the-art cancer treatment information in easy-to-understand language. The NCCN Guidelines for Patients™, translations of the NCCN Guidelines, are meant to help patients with cancer talk with their physician about the best treatment options. These guidelines do not replace the expertise and clinical judgment of the physician.

In 2010, NCCN proudly presented six new NCCN Guidelines for Patients™ on breast, non-small cell lung, prostate, and ovarian cancers and melanoma and multiple myeloma.

Additional NCCN Guidelines for Patients™ will be available in 2011, and NCCN is committed, with the support of the NCCN Foundation, to developing a comprehensive library of guidelines for patients.

NCCN Resource Tool: Risk Evaluation & Mitigation Strategies (REMS) for Patients

NCCN maintains a dedicated page on NCCN.com to serve as a reference for patients seeking more information about drugs and biologics requiring REMS. The REMS patient page describes what these regulations entail for patients and consumers, such as obligations for patients to participate in educational programs, to provide documentation related to lab or test results, to enroll in a patient registry, or to participate in additional monitoring while being treated with an agent that requires REMS.
Through private philanthropy and grants, the NCCN Foundation advances the mission of NCCN to improve the quality and effectiveness of care to patients with cancer. The NCCN Foundation began full operations in 2010.

Chaired by Sam Donaldson, ABC News veteran and a cancer survivor, the NCCN Foundation Board of Directors is comprised of members from various corporations, academic medical institutions, and advocacy groups who are committed to gaining philanthropic support for resources and programs for patients with cancer as well as research dollars to further the careers of young investigators, clinicians, and nurses at NCCN Member Institutions.

During this inaugural year, the NCCN Foundation’s Board of Directors doubled its membership from a core group of six to 14 outstanding individuals. The following successful recruitments fulfilled the strategic goal of representing different industries and backgrounds:

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Advocate and wife of the late Randy Pausch

Denise Reinke, MS, NP
University of Michigan
Comprehensive Cancer Center
Sarcoma Alliance for Research through Collaboration (SARC)

Diane Schueneman
Retired Merrill Lynch Executive

Robert C. Young, MD
RCY Medicine
Former President, Chief Executive Officer and Chancellor of Fox Chase Cancer Center
One of the primary initiatives of the NCCN Foundation is to gain support for the development of the NCCN Guidelines for Patients™. The NCCN Guidelines for Patients™ are translations of the NCCN Guidelines into patient-friendly resources outlining appropriate treatment for cancer.

Leading contributors to this initiative included Susan G. Komen for the Cure®, who provided a generous charitable contribution to the NCCN Foundation for the development, printing, and distribution of the NCCN Guidelines for Patients™: Breast Cancer. This grant agreement included a provision for Komen to establish a web portal to NCCN.com, connecting its worldwide grassroots network to the most up-to-date versions of the NCCN Guidelines for Patients™.

The NCCN Guidelines for Patients™: Breast Cancer was publicly released on September 23, 2010, along with a second NCCN Guideline for Patients™: Non-Small Cell Lung Cancer, dedicated to the late Dana Reeve, the sister of Deborah Morosini, MD, NCCN Foundation Board Member. Corporate contributions will aid in the printing and distribution of these guidelines, along with others on ovarian and prostate cancers, and melanoma and multiple myeloma that were completed in 2010.

The NCCN Foundation also raised significant funds for the new “Young Investigator Awards” Program as the nucleus for competitive applications and grants in 2011. This funding will encourage and assist young investigators, clinicians, and oncology nurses at NCCN Member Institutions.

In the future, additional fundraising priorities include support for effective distribution of the NCCN Guidelines for Patients™ as well as the translation of these Guidelines into multiple foreign languages. The NCCN Foundation will seek to attain funds to develop and distribute NCCN Cancer Medication Information Sheets™ (NCCN CMI), a resource to assist patients with safety and compliance concerns related to complex medication regimens as well as to develop survivorship programs for the growing population of cancer survivors.
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2010 NCCN Annual Report 35
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H. Lee Moffitt Cancer Center & Research Institute

Patrick Yung Wen, MD  
Dana-Farber/Brigham and Women’s Cancer Center
Cervical/Uterine Neoplasms Panel

Benjamin E. Greer, MD / Co-Chair  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance  
Wui-Jin Koh, MD / Co-Chair  
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Nadeem R. Abu-Rustum, MD  
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Sachin M. Apte, MD, MS  
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Kathleen R. Cho, MD  
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R. Kevin Reynolds, MD  
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William Small, Jr., MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Nelson Teng, MD, PhD  
Stanford Comprehensive Cancer Center  
Fidel Valea, MD  
Duke Cancer Institute

Chronic Myelogenous Leukemia Panel

Susan O’Brien, MD / Chair  
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Camille N. Abboud, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine  
Jessica Altman, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Ellin Berman, MD  
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Moshe Talpaz, MD  
University of Michigan Comprehensive Cancer Center  
Meir Wetzler, MD  
Roswell Park Cancer Institute  
Furhan Yunus, MD  
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute
# Colon/Rectal/Anal Cancers Panel

**Paul F. Engstrom, MD / Chair**  
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J. Pablo Arnoletti, MD  
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Fox Chase Cancer Center  
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Christopher Willett, MD  
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Esophageal/Gastric Cancers Panel

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Head and Neck Cancers Panel

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Hodgkin Lymphoma Panel

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Weiyan Z. Ai, MD
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Richard F. Ambinder, MD, PhD
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Matthew Poppe, MD
Huntsman Cancer Institute at the University of Utah
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Lawrence Weiss, MD
City of Hope Comprehensive Cancer Center
Jane N. Winter, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Joachim Yahalom, MD
Memorial Sloan-Kettering Cancer Center
## Kidney/Testicular Cancers Panel

<table>
<thead>
<tr>
<th>Panel Members</th>
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Memorial Sloan-Kettering Cancer Center |
| Neeraj Agarwal, MD  
Huntsman Cancer Institute at the University of Utah |
| Clair Beard, MD  
Dana-Farber/Brighton and Women's Cancer Center |
| Sam Bhayani, MD  
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| Toni K. Choueiri, MD  
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| Steven L. Hancock, MD  
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| Gary R. Hudes, MD  
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| Kim A. Margolin, MD  
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| M. Dror Michaelson, MD, PhD  
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| Thomas Olencki, DO  
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| Roberto Pili, MD  
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| Thomas W. Ratliff, MD  
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| Gary N. Robertson, MD  
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| Charles J. Ryan, MD  
UCSF Helen Diller Family Comprehensive Cancer Center |
| Joel Sheinfeld, MD  
Memorial Sloan-Kettering Cancer Center |
| Philippe E. Spiess, MD  
H. Lee Moffitt Cancer Center & Research Institute |
| Jue Wang, MD  
UNMC Eppley Cancer Center at The Nebraska Medical Center |
| Richard B. Wilder, MD  
H. Lee Moffitt Cancer Center & Research Institute |
Melanoma Panel

**Daniel G. Coit, MD / Chair**
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Vijay Trisal, MD
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Marshall M. Urist, MD
University of Alabama at Birmingham Comprehensive Cancer Center

NCCN GUIDELINES™ FOR TREATMENT OF CANCER BY SITE - PANEL MEMBERS

Multiple Myeloma/Waldenström’s Macroglobulinemia/
Lymphoplasmacytic Lymphoma Panel

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2010 NCCN Annual Report 53
Myelodysplastic Syndromes Panel

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Neuroendocrine Tumors Panel

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Richard T. Cheney, MD
Roswell Park Cancer Institute

L. Frank Glass, MD
H. Lee Moffitt Cancer Center & Research Institute

Roy C. Grekin, MD
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Anne Kessinger, MD
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Nancy Y. Lee, MD
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Nanette Liegeois, MD, PhD
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Daniel D. Lydiatt, DDS, MD
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Jeff Michalski, MD, MBA
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William H. Morrison, MD
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Kishwer S. Nehal, MD
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Kelly C. Nelson, MD
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Paul Nghiem, MD, PhD
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Thomas Olencki, DO
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Clifford S. Perlis, MD, MBe
Fox Chase Cancer Center

Ashok R. Shaha, MD
Memorial Sloan-Kettering Cancer Center

Malika Tuli, MD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute

Marshall M. Urist, MD
University of Alabama at Birmingham Comprehensive Cancer Center

Linda C. Wang, MD, JD
Dana-Farber/Brigham and Women’s Cancer Center

John A. Zic, MD
Vanderbilt-Ingram Cancer Center
Non-Small Cell Lung Cancer/Malignant Pleural Mesothelioma/Thymoma and Thymic Carcinomas Panel

David S. Ettinger, MD / Chair
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Wallace Akerley, MD
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Hossein Borghaei, DO, MS
Fox Chase Cancer Center

Andrew Chang, MD
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Lucian R. Chirieac, MD
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Thomas A. D'Amico, MD
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Todd L. Demmy, MD
Roswell Park Cancer Institute

Ramaswamy Govindan, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Frederic W. Grant, Jr., MD
City of Hope Comprehensive Cancer Center

Leora Horn, MD, MSc
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Thierry M. Jahan, MD
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Mohammad Jahanzeb, MD
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Ritsuko Komaki, MD
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Feng-Ming (Spring) Kong, MD, PhD, MPH
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Mark G. Kris, MD
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Lee M. Krug, MD
Memorial Sloan-Kettering Cancer Center

Inga T. Lennes, MD
Massachusetts General Hospital Cancer Center

Billy W. Loo, Jr., MD, PhD
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Renato Martins, MD, MPH
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Janis O'Malley, MD
University of Alabama at Birmingham Comprehensive Cancer Center

Raymond U. Osarogiagbon, MD
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Mary Pinder - Schenck, MD
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Katherine M. Pisters, MD
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Karen Reckamp, MD, MS
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Gregory J. Riely, MD, PhD
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Eric Rohren, MD, PhD
The University of Texas MD Anderson Cancer Center

Scott Swanson, MD
Dana-Farber/Brigham and Women's Cancer Center

Douglas E. Wood, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Stephen C. Yang, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Occult Primary Panel

David S. Ettinger, MD / Chair
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Mark Agulnik, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Justin M. M. Cates, MD, PhD
Vanderbilt-Ingram Cancer Center
Roger Cohen, MD
Fox Chase Cancer Center
Mihaela Cristea, MD
City of Hope Comprehensive Cancer Center
Keith D. Eaton, MD, PhD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Panagiotis M. Fidias, MD
Massachusetts General Hospital Cancer Center

David Gierada, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Jon P. Gockerman, MD
Duke Cancer Institute
Omar Hameed, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Charles R. Handoft, MD, PhD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute
Renauka Iyer, MD
Roswell Park Cancer Institute
Renato Lenzi, MD
The University of Texas MD Anderson Cancer Center

Asif Rashid, MD
The University of Texas MD Anderson Cancer Center
Leonard Saltz, MD
Memorial Sloan-Kettering Cancer Center
Lawrence N. Shulman, MD
Dana-Farber/Brigham and Women’s Cancer Center
Gauri R. Varadhachary, MD
The University of Texas MD Anderson Cancer Center
Jonathan S. Zager, MD
H. Lee Moffitt Cancer Center & Research Institute
Weining (Ken) Zhen, MD
UNMC Eppley Cancer Center at The Nebraska Medical Center

Ovarian Cancer Panel

Robert J. Morgan, Jr., MD / Chair
City of Hope Comprehensive Cancer Center
Ronald D. Alvaraz, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Deborah K. Armstrong, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Barry Boston, MD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute
Robert Burger, MD
Fox Chase Cancer Center
Lee-may Chen, MD
UCSF Helen Diller Family Comprehensive Cancer Center
Larry Copeland, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Marta Ann Crispens, MD
Vanderbilt-Ingram Cancer Center

David M. Gershenson, MD
The University of Texas MD Anderson Cancer Center
Heidi J. Gray, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Perry W. Grigsby, MD, MS, MBA
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Asdeshir Hakam, MD
H. Lee Moffitt Cancer Center & Research Institute
Laura J. Havrilensky, MD
Duke Cancer Institute
Carolyn Johnston, MD
University of Michigan Comprehensive Cancer Center
Shashikant Lele, MD
Roswell Park Cancer Institute
Ursula A. Matulonis, MD
Dana-Farber/Brigham and Women’s Cancer Center

David M. O’Malley, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Richard T. Penson, MD, MRCP
Massachusetts General Hospital Cancer Center
Steven W. Remmenga, MD
UNMC Eppley Cancer Center at The Nebraska Medical Center
Paul Sabbatini, MD
Memorial Sloan-Kettering Cancer Center
Russell J. Schilder, MD
Fox Chase Cancer Center
Julian C. Schink, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Nelson Teng, MD, PhD
Stanford Comprehensive Cancer Center
Theresa L. Werner, MD
Huntsman Cancer Institute at the University of Utah
Pancreatic Adenocarcinoma Panel

Margaret A. Tempero, MD / Chair
UCSF Helen Diller Family Comprehensive Cancer Center

J. Pablo Arnoletti, MD
University of Alabama at Birmingham Comprehensive Cancer Center

Stephen Behrman, MD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute

Margaret A. Tempero, MD / Chair
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J. Pablo Arnoletti, MD
University of Alabama at Birmingham Comprehensive Cancer Center

Stephen Behrman, MD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute

Edgar Ben-Josef, MD
University of Michigan Comprehensive Cancer Center

Al B. Benson III, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Ephraim S. Casper, MD
Memorial Sloan-Kettering Cancer Center

Steven J. Cohen, MD
Fox Chase Cancer Center

Brian Csito, MD
Duke Cancer Institute

Michelle Duff, DPT
Patient Advocate

Joshua D.I. Ellenhorn, MD
City of Hope Comprehensive Cancer Center

William G. Hawkins, MD
Steinman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

Joseph Herman, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

John P. Hoffman, MD
Fox Chase Cancer Center

Srinadh Komanduri, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Albert Koong, MD, PhD
Stanford Comprehensive Cancer Center

Boris W. Kuvshinoff II, MD
Roswell Park Cancer Institute

Mokenge P. Malafa, MD
H. Lee Moffitt Cancer Center & Research Institute

Nipun B. Merchant, MD
Vanderbilt-Ingram Cancer Center

Sean J. Mulvihill, MD
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Peter Muscarella II, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Eric K. Nakakura, MD
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Martha B. Pitman, MD
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Aaron R. Sasson, MD
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Sarah P. Thayer, MD, PhD
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Samuel Whitting, MD, PhD
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Brian M. Wolpin, MD, MPH
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Prostate Cancer Panel

James L. Mohler, MD / Chair  
Roswell Park Cancer Institute  
Andrew J. Armstrong, MD, ScM  
Duke Cancer Institute  
Robert R. Bahnson, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
Barry Boston, MD  
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute  
J. Erik Busby, MD  
University of Alabama at Birmingham Comprehensive Cancer Center  
Anthony Victor D’Amico, MD, PhD  
Dana-Farber/Brigham and Women’s Cancer Center  
Mark H. Kawachi, MD  
City of Hope Comprehensive Cancer Center  
Celestia S. Higano, MD  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance  
Eric Mark Horwitz, MD  
Fox Chase Cancer Center  
Philip W. Kantoff, MD  
Dana-Farber/Brigham and Women’s Cancer Center  
Mary A. Eastham, MD  
Memorial Sloan-Kettering Cancer Center  
Charles A. Enke, MD  
UNMC Eppley Cancer Center at The Nebraska Medical Center  
Thomas A. Farrington  
Patient Advocate  
Julio M. Pow-Sang, MD  
H. Lee Moffitt Cancer Center & Research Institute  
Mack Rouch III, MD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Eric Rohren, MD, PhD  
The University of Texas MD Anderson Cancer Center  
Stan Rosenfeld  
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Celestia S. Higano, MD  
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Eric Mark Horwitz, MD  
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Michael Kuettner, MD, MBA, PhD  
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Richard J. Lee, MD, PhD  
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Gary R. MacVicar, MD  
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Arnold W. Malcolm, MD  
Vanderbilt-Ingram Cancer Center  
David Miller, MD, MPH  
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Elizabeth R. Plimack, MD, MS  
Fox Chase Cancer Center  
Duke Cancer Institute  
Charles M. Rudin, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Small Cell Lung Cancer Panel

Gregory P. Kalemkerian, MD / Chair  
University of Michigan Comprehensive Cancer Center  
Wallace Akerley, MD  
Huntsman Cancer Institute at the University of Utah  
Paul Bogner, MD  
Roswell Park Cancer Institute  
Hossein Borghaei, DO, MS  
Fox Chase Cancer Center  
Laura Chow, MD  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance  
Robert J. Downey, MD  
Memorial Sloan-Kettering Cancer Center  
Leena Gandhi, MD, PhD  
Dana-Farber/Brigham and Women’s Cancer Center  
Apar Kishor P. Ganti, MD  
UNMC Eppley Cancer Center at The Nebraska Medical Center  
Ramaswamy Govindan, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine  
John C. Grecula, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
James A. Hayman, MD, MBA  
University of Michigan Comprehensive Cancer Center  
Rebecca Suk Heist, MD, MPH  
Massachusetts General Hospital Cancer Center  
Leora Horn, MD, MSc  
Vanderbilt-Ingram Cancer Center  
Thierry M. Jahan, MD  
UCSF Helen Diller Family Comprehensive Cancer Center  
Marianna Koczowska, MD  
City of Hope Comprehensive Cancer Center  
Cesar A. Moran, MD  
The University of Texas MD Anderson Cancer Center  
Harvey B. Niell, MD  
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute  
Janis O’Malley, MD  
University of Alabama at Birmingham Comprehensive Cancer Center  
Jyoti D. Patel, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University  
Neal Ready, MD  
Duke Cancer Institute  
Charles M. Rudin, MD, PhD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins  
Charles C. Williams, Jr., MD  
H. Lee Moffitt Cancer Center & Research Institute
Soft Tissue Sarcoma Panel

Margaret von Mehren, MD / Chair  
Fox Chase Cancer Center

Robert S. Benjamin, MD  
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Marilyn M. Bui, MD, PhD  
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Massachusetts General Hospital Cancer Center

Kristen N. Ganjoo, MD  
Stanford Comprehensive Cancer Center

Suzanne George, MD  
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Massachusetts General Hospital Cancer Center

Ricardo Gonzalez, MD  
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Martin J. Heslin, MD  
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John M. Kane III, MD  
Roswell Park Cancer Institute

Joel Mayerson, MD  
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James Cancer Hospital and Solove Research Institute

Martin J. Heslin, MD  
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Robert I. Haddad, MD  
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Jason P. Hunt, MD  
Huntsman Cancer Institute at the University of Utah

Fouad Kandeel, MD, PhD  
City of Hope Comprehensive Cancer Center

Richard T. Kloos, MD  
The Ohio State University Comprehensive Cancer Center  
James Cancer Hospital and Solove Research Institute

Peter Kopp, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Dominick M. Lamonica, MD  
Roswell Park Cancer Institute

Thom R. Loree, MD  
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Richard J. O'Donnell, MD  
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I. Benjamin Paz, MD  
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John D. Pfeifer, MD, PhD  
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Raphael E. Pollock, MD, PhD  
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R. Lor Randall, MD  
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Richard F. Riedel, MD  
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Herbert S. Schwartz, MD  
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Jeffrey D. Wayne, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

R. Michael Tuttle, MD / Chair  
Memorial Sloan-Kettering Cancer Center

Douglas W. Ball, MD  
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David Byrd, MD  
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Raza A. Dilawari, MD  
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Gerard M. Doherty, MD  
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Quan-Yang Duh, MD  
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Thom R. Loree, MD  
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Judith C. McCaffrey, MD  
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Jeremy F. Moley, MD  
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John A. Olson, Jr., MD, PhD  
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Lee Parks, MD  
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John A. Ridge, MD, PhD  
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Jatin P. Shah, MD, PhD  
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Steven I. Sherman, MD  
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Thomas N. Wang, MD  
University of Alabama at Birmingham Comprehensive Cancer Center

Lori J. Wirth, MD  
Massachusetts General Hospital Cancer Center
NCCN GUIDELINES™ FOR DETECTION, PREVENTION, AND RISK REDUCTION - PANEL MEMBERS

Breast Cancer Risk Reduction Panel

Therese B. Bevers, MD / Chair
The University of Texas MD Anderson Cancer Center
Deborah K. Armstrong, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Banu K. Arun, MD
The University of Texas MD Anderson Cancer Center
Robert W. Carlson, MD
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Graham A. Colditz, MD, DrPH
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Kenneth H. Cowan, MD, PhD
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Mary B. Daly, MD, PhD
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Judy E. Garber, MD, MPH
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Larissa A. Korde, MD, MPH
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Helen Krontiras, MD
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Swati Kulkarni, MD
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Christine Laronga, MD
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Loretta S. Loftus, MD, MBA
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Deborah J. MacDonald, PhD, APNG
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Martin C. Mahoney, MD, PhD
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Lisa Newman, MD, MPH
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Elizabeth Pritchard, MD
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Victoria Seewaldt, MD
Duke Cancer Institute
Rena V. Sellin, MD
The University of Texas MD Anderson Cancer Center
Charles L. Shapiro, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
John H. Ward, MD
Huntsman Cancer Institute at the University of Utah

Breast Cancer Screening and Diagnosis Panel

Therese B. Bevers, MD / Chair
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Ermelinda Bonaccio, MD
Roswell Park Cancer Institute
Saundra S. Buys, MD
Huntsman Cancer Institute at the University of Utah
Kristine E. Calhoun, MD
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance
Mary B. Daly, MD, PhD
Fox Chase Cancer Center
Peter J. Dempsey, MD
The University of Texas MD Anderson Cancer Center
William B. Farrar, MD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Judy E. Garber, MD, MPH
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Randall E. Harris, MD, PhD
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute
Alexandra S. Heerdt, MD
Memorial Sloan-Kettering Cancer Center
Mark Helvie, MD, MS
University of Michigan Comprehensive Cancer Center
Linda Hodgkiss, MD
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute
Tamarya L. Hoyt, MD
Vanderbilt-Ingram Cancer Center
John G. Huff, MD
Vanderbilt-Ingram Cancer Center
Nazanin Khakpour, MD
H. Lee Moffitt Cancer Center & Research Institute
Seema Khan, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University
Helen Krontiras, MD
University of Alabama at Birmingham Comprehensive Cancer Center
Gary H. Lyman, MD, MPH
Duke Cancer Institute
Barbara Montesees, MD
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine
Elizabeth A. Rafferty, MD
Massachusetts General Hospital Cancer Center
Sara Shaw, MD
City of Hope Comprehensive Cancer Center
Mary Lou Smith, JD, MBA
Patient Advocate
Theodore N. Tsangaris, MD
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins
Cheryl Williams, MD
UNMC Eppley Cancer Center at The Nebraska Medical Center
### Cervical Cancer Screening Panel

**Edward E. Partridge, MD / Chair**  
University of Alabama at Birmingham Comprehensive Cancer Center

Nadeem R. Abu-Rustum, MD  
Memorial Sloan-Kettering Cancer Center

Susana M. Campos, MD, MPH, MS  
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Patrick J. Fahey, MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Michael Farmer, MD  
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Rochelle L. Garcia, MD  
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Anna Giuliano, PhD  
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Howard W. Jones III, MD  
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Subodh M. Lele, MD  
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Richard W. Lieberman, MD  
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Stewart L. Massad, MD  
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Mark A. Morgan, MD  
Fox Chase Cancer Center

R. Kevin Reynolds, MD  
University of Michigan Comprehensive Cancer Center

Helen E. Rhodes, MD  
The University of Texas MD Anderson Cancer Center

Diljeet K. Singh, MD, DrPH  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Karen Smith-McCune, MD, PhD  
UCSF Helen Diller Family Comprehensive Cancer Center

Nelson Teng, MD, PhD  
Stanford Comprehensive Cancer Center

Cornelia Liu Trimble, MD  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Fidel Valea, MD  
Duke Cancer Institute

Sharon Wilczynski, MD  
City of Hope Comprehensive Cancer Center

Lourdes R. Ylagan, MD  
Roswell Park Cancer Institute

### Colorectal Cancer Screening Panel

**Randall W. Burt, MD / Chair**  
Huntsman Cancer Institute at the University of Utah

James S. Barthel, MD  
H. Lee Moffitt Cancer Center & Research Institute

Kelli Bullard Dunn, MD  
Roswell Park Cancer Institute

Jamie A. Cannon, MD  
University of Alabama at Birmingham Comprehensive Cancer Center

Donald S. David, MD  
City of Hope Comprehensive Cancer Center

Dayna S. Early, MD  
Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine

James M. Ford, MD  
Stanford Comprehensive Cancer Center

Francis M. Giardello, MD, MBA  
The Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins

Stephen B. Gruber, MD, PhD, MPH  
University of Michigan Comprehensive Cancer Center

Amy Halverson, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Stanley R. Hamilton, MD  
The University of Texas MD Anderson Cancer Center

Mohammad K. Ismail, MD  
St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute

Kory Jasperson, MS, CGC  
Huntsman Cancer Institute at the University of Utah

Audrey J. Lazenby, MD  
UNMC Eppley Cancer Center at The Nebraska Medical Center

Patrick M. Lynch, MD, JD  
The University of Texas MD Anderson Cancer Center

Edward W. Martin, Jr., MD  
The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute

Robert J. Mayer, MD  
Dana-Farber/Brigham and Women’s Cancer Center

Reid M. Ness, MD, MPH  
Vanderbilt-Ingram Cancer Center

Dawn Provenzale, MD, MS  
Duke Cancer Institute

M. Sambasiva Rao, MD  
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Moshe Shike, MD  
Memorial Sloan-Kettering Cancer Center

Gideon Steinbach, MD, PhD  
Fred Hutchinson Cancer Research Center/Seattle Cancer Care Alliance

Jonathan P. Terdiman, MD  
UCSF Helen Diller Family Comprehensive Cancer Center

David Weinberg, MD, MSc  
Fox Chase Cancer Center
Genetic/Familial High-Risk Assessment: Breast and Ovarian Panel

Mary B. Daly, MD, PhD / Chair
Fox Chase Cancer Center

Jeffrey Allen, MD
St. Jude Children’s Research Hospital/
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Jennifer E. Axilbund, MS, CGC
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Saundra S. Buys, MD
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Beth Crawford, MS, CGC
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Carolyn D. Farrell, MS, CNP, CGC
Roswell Park Cancer Institute

Susan Friedman, DVM
Patient Advocate

Judy E. Garber, MD, MPH
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Stephen B. Gruber, MD, PhD, MPH
University of Michigan Comprehensive Cancer Center

Heather Hampel, MS, CGC
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Virginia Kaklamani, MD
Robert H. Lurie Comprehensive Cancer Center of Northwestern University

Wendy Kohlmann, MS, CGC
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Allison Kurian, MD, MSc
Stanford Comprehensive Cancer Center

Jennifer Litton, MD
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P. Kelly Marcom, MD
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Kenneth Offit, MD
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Tuya Pal, MD
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Boris Pasche, MD, PhD
University of Alabama at Birmingham Comprehensive Cancer Center

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Kristen Mahoney Shannon, MS, CGC
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Elizabeth Swisher, MD
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Jeffrey N. Weitzel, MD
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Alison Whelan, MD
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Lung Cancer Screening Panel

Douglas E. Wood, MD / Chair  
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H. Lee Moffitt Cancer Center & Research Institute  
Tampa, Florida  
800.456.3434  
www.moffitt.org

The Ohio State University Comprehensive Cancer Center - James Cancer Hospital and Solove Research Institute  
Columbus, Ohio  
800.293.5066  
http://cancer.osu.edu

Roswell Park Cancer Institute  
Buffalo, New York  
877.275.7724  
www.roswellpark.org

Siteman Cancer Center at Barnes-Jewish Hospital and Washington University School of Medicine  
St. Louis, Missouri  
800.600.3606  
www.siteman.wustl.edu

St. Jude Children’s Research Hospital/University of Tennessee Cancer Institute  
Memphis, Tennessee  
901.595.4055 • www.stjude.org  
877.988.3627 • www.utcancer.org

Stanford Comprehensive Cancer Center  
Stanford, California  
877.668.7535  
www.cancer.stanfordhospital.com

University of Alabama at Birmingham Comprehensive Cancer Center  
Birmingham, Alabama  
800.822.0933  
www.ccc.uab.edu

UCSF Helen Diller Family Comprehensive Cancer Center  
San Francisco, California  
800.888.8664  
http://cancer.ucsf.edu

University of Michigan Comprehensive Cancer Center  
Ann Arbor, Michigan  
800.865.1125  
www.micancer.org

UNMC Eppley Cancer Center at The Nebraska Medical Center  
Omaha, Nebraska  
800.999.5465  
www.unmc.edu/cancercenter

The University of Texas MD Anderson Cancer Center  
Houston, Texas  
877.632.6789  
www.mdanderson.org

Vanderbilt-Ingram Cancer Center  
Nashville, Tennessee  
800.811.8480  
www.vicc.org