

UNC CANCER NETWORK



2021 Lecture Series Planning Information

Thank You!

We thank you for your help in planning our 2021 lectures for the **Patient Centered Care** and **Research to Practice** series. Last year's lectures were some of the best that we've had, and—with your knowledge and expertise—we hope to make 2021's lectures even better.

The **Cancer Treatment in North Carolina: Patient-Centered Care** lecture series covers components of patient-centered health care delivery in cancer treatment and survivorship. The focus of this series is not disease-specific but includes discussion of approaches to improving care delivery for all cancer patients and survivors.

Cancer Treatment in North Carolina: Research to Practice lectures cover the spectrum of anti-cancer therapy, with a focus on recent research developments, both locally and at large, and what's ready for regular practice. Perspectives from medical oncology, radiation oncology, and surgery will be included. The lecture series will incorporate an understanding of practice dynamics and concerns throughout the state of North Carolina, and the availability of clinical trials and subspecialty expertise to inform care.

Table of Contents

2021 Lecture Planning Criteria	3
Lecture Topics	4
Lectures Attendee Feedback	5
2019 Participant Survey Feedback	12
UNC Cancer Network Suggestions.	19
RN and Allied Health and Patient Centered Care Lectures in 2017	22
RN and Allied Health and Patient Centered Care Lectures in 2018	23
RN and Allied Health and Patient Centered Care Lectures in 2019	24
Patient Centered Care and Research to Practice Lectures in 2020.	25
2019 NC Projected New Cancer Cases	26
Department of Health and Human Services Statistics and Reports.	26

2021 Lecture Planning Criteria

The types of information that guide our thinking for planning the 2021 Telehealth lectures series are the following:

Specific Demographics – Gender, race, etc. The desire is to have our presenters represent the demographic makeup of our audience—and of cancer patients in North Carolina. This way, different perspectives on any given topic will be available to North Carolina’s oncology professionals.

NC Statistics on prevalence of different types of cancer. These statistics can be accessed at

- <https://schs.dph.ncdhhs.gov/data/cancer.cfm>.

Feedback from Previous Lectures – Series Specific.

2019 Participant Survey Results.

We would prefer not to repeat past topics for 18-24 months. Exceptions can be made when crossing from one series to another, with: different presenter, different angle, and a few months intervening between the use of the topic.

The lectures should be topical.

Feedback from LCCC leadership.

Considerations for **Best of ASCO** and **Best of ASH** lecture topics.

Acquiring input from accreditation agencies: School of Nursing, School of Medicine, School of Pharmacy, and Department of Radiation Oncology.

Lecture Topics

Patient Centered Care

The topics for our **Patient Centered Care** lectures vary from year to year. We depend upon you to help us determine which topics are most relevant for our 2021 schedule.

Research to Practice

Our **Research to Practice** topics are somewhat streamlined, and we offer the following 11 topics each year:

- Radiation Oncology in North Carolina: Updates for 2020
- Genitourinary Cancer Management in North Carolina: Updates for 2020
- Gastrointestinal Cancer Management in North Carolina: Updates for 2020
- Breast Cancer Management in North Carolina: Updates for 2020
- Lung Cancer Management in North Carolina: Updates for 2020
- Cancer Immunotherapy Toxicities Identification and Management in North Carolina: Updates for 2020
- Leukemia Management in North Carolina: Updates for 2020
- Lymphoma Management in North Carolina: Updates for 2020
- Topics in Cancer Pharmacy in North Carolina: Updates for 2020
- Head and Neck Cancer Management in North Carolina: Updates for 2020
- Surgical Oncology in North Carolina: Updates for 2020

The **Research to Practice** series has space for one of the following rotating topics. Please choose the one that would best fit our 2021 schedule:

- CAR-T in North Carolina: Updates for 2020
- Patient Reported Outcomes in Cancer: Implementation Strategies in North Carolina
- Precision Oncology: Use of Genomics and Other Tools for Diagnostics and Treatment in North Carolina
- Nutrition and Cancer in North Carolina
- Advances in Telemedicine in North Carolina
- How Racial Bias Influences Healthcare and People of Color in North Carolina
- Cardio-oncology in North Carolina: fitness, function, and late effects
- Homeopathic and Traditional Pain Management in Cancer Treatment in North Carolina
- Managing Depression, Anxiety and PTSD in Cancer Patients in North Carolina

2020 Attendee Feedback

Participants in the 2019 **RN and Allied Health** and **Medical and Surgical Oncology** lecture series provided plenty of feedback with requests for particular topics. Where individuals offered further information, these are offered under the topic headings, which are organized alphabetically.

Accreditation

- CRC versus CRNC: role, certification, responsibilities, interaction with each other in the work setting
- Would love a lecture on walking me through the process of renewing my OCN certification
- Changing roles within oncology of licensed and unlicensed personnel
- Programs geared toward CTR and abstracting

Brain Cancer

- Glioblastoma and latest treatments (15)
- Glioblastoma and MRI techniques
- Glioblastoma, discussion of pathology reports and implications of each
- Glioblastoma and any new clinical trials
- MRI measurements of cerebral blood flow
- Review of brain cancer therapy options
- Updates on brain tumor treatments (2)
- Treatment of glioblastoma; pathology reports—explain in detail meaning of each result; RESIST radiology measurements
- CNS disease
- CNS involvement and IT chemo

Breast Cancer

- Breast Cancer (5)
- Breast care during pregnancies (2)
- Breast update after San Antonio (2)
- Adjuvant breast cancer
- Metastatic breast cancer
- Anti-hormone therapy in breast cancer and effects on fertility, menopause
- Genetic testing in early stage breast cancer
- CDK 4/6 inhibitors as they are used in the breast cancer population
- Increased Breast issues post hyperfractionation Radiation Therapy

- San Antonio breast cancer update in Dec
- Breast cancer patients' reasons for hormonal therapy vs chemotherapy
- Treatment options for breast patients such as chemotherapy vs. hormonal therapy and who gets what and when

Cardio-Oncology

- Cardio-oncology
- HIV and cardiotoxicity

Caregivers and Patient Care

- Caregiver dynamics and online support groups
- Caretaker resources
- Continue to provide ideas and suggestions with data to improve patient care
- Would love to hear more about your mgmt. as to f/u after surgery, freq, length. How you manage J-tube feeds, products, etc
- Compassion fatigue and burnout in oncology
- Establishing better communication skills for coworkers of different ages

Chemotherapy

- Ways to combat chemotherapy-related fatigue
- Current recommendations for chemotherapy side effects (2)
- Concurrent chemotherapy and radiation, discussing the efficacy of this dual modality approach, the importance of starting both on the same day, etc.
- Specific concurrent chemo/RT regimens
- Sexuality & chemo treatments (2)
- Treatment options and risks/benefits
- Symptom management
- Newer therapies from the past 1–2 years
- Chemotherapy and cardiac complications

Clinics and Clinical Trials

- Overview of oncology clinical trials (4)
- Rapidly changing treatments. Perhaps bridge research into it. There are many trials available for some of these diseases. There is a disconnect with the importance of trials with nursing
- Less about research and more clinical indications
- Side effect treatment for patients taking aromatase inhibitors
- Emerging therapies
- How to incorporate clinical trials into practice
- Clinical utility of biomarkers in the work-up/treatment of cancers
- Biosimilar use in clinical practice
- Multidisciplinary clinics how to best manage appts, referrals, criteria. How to keep everyone happy!
- The unique “marriage” of clinical trial operations to the traditional hospital setting
- Clinical trial recruitment
- The role of clinical research in cancer care

Data Analytics

- Anything with research (2)
- How UNC and/or Lineberger is using data analytics to affect treatment decisions and outcomes
- Ensure integration in national CE tracking database
- How to design cancer data systems in resource constrained settings to support both primary and secondary use of data
- Uses of data analytic and bioinformatic tools
- More statistical data and case study references of a patient
- How about the use of EHR in oncology and the application of big data?

Diagnosis and Staging

- In depth discussion on how to educate the populace on staging
- Interactions between cancer diagnoses and prior comorbidities
- Pathology reports and explaining each portion/terminology

- NCDB staging
- Biomarkers in oncology
- Audited charts and found inconsistencies in charting re: Cancer staging. What does it mean to lay people. ie Stage IV Pancreatic, Stage II Breast etc
- The detection and treatment of lung cancer would be beneficial
- Cancer screening
- The management of a specific cancer diagnosis
- Prevention and early detection of cancers
- Information on ERAS

Exercise and Cancer

- Incorporating exercise into the cancer regimen—how to make exercise more recognized as a complementary treatment. (2)
- Recognizing exercise as a form of rehabilitation and prevention
- Ways to combat Fatigue

Financial Toxicity

- Financial burden for cancer patients (3)
- Challenges with financial needs of patients/insurance coverage (2)
- New tests, difficulties on getting some of these paid for (labs, medications) by insurance companies and tips
- We are currently having difficulty keeping up with each payor’s policies and which agents, labs, procedures are affected
- Insurances covering the cost of preventive services
- LDCT screening issues. Medicaid in NC not covering for f/u exams
- Navigating the cost of care and how to offset. discuss how to delve into community resources
- Tangible things to decrease barriers
- Types of assistance offered by UNC to uninsured and underinsured patients
- I am a new social worker with my organization; having been here a week it appears some of the biggest barriers to treatment are transportation and financial burden

Gastrointestinal Cancer

- Why colon cancer affects younger population
- Metastatic liver treatments
- GI topics
- More pancreatic cancer treatment options and efforts to diagnose earlier (2)
- Colon cancer mutations and targeted therapies
- Colon cancer molecular

General Cancer

- Update on the latest LCCC successes
- General informational sessions about common cancer types, so more adept at a variety of cancer types and the current research (7)
- Research 101 or pathology 101 (4)
- Cancer prevention measures (2)
- ASCO updates on other malignancies would be beneficial as well (2)
- Updates on the new treatment modalities/therapy for various forms of cancer
- Technology apps being used by docs here at UNC
- Advanced Care Planning
- National Comprehensive Cancer Network updates
- Any subject around zero harm in treating cancer
- The importance of quality data in research. More quality programs like this one on specific cancers, but also more on clinical research issues
- Research and cancer care
- Case scenarios
- Ethics and Medical Decision Making
- Increased use of parps
- Life expectancy information
- Health disparities with other cancers
- Liquid biopsies
- More specific interventions
- Precision/personalized medicine

Genetics and Cancer

- The genetic aspect of cancer and how the genetics of the cancer or the tumor are driving care (2)
- Topics on emerging genetic elements and

changes in the treatment and outcome

- Impact on cell DNA / life cycle
- Clinical utility of genetic testing in cancer treatment/care

Genitourinary Cancer

- Bladder cancer—update on treatment options (3)
- Pancreatic cancer new trends and immunotherapy
- GU treatment updates
- Gallbladder Cancer
- Prostate treatment

Gynecological Cancer

- GYN/ONC (7)
- Gyn/onc cancers/new available treatments (5)
- Treatment options for metastatic gyn/onc patients
- Treatment options for GYN malignancies
- Later-line options for refractory/recurrent platinum-resistant ovarian cancer
- HPV + Cervical cancer data (2)
- Resources for cancer related issues during the perinatal period
- More from Dr. Gehrig
- Radiation therapy for GYN cancers
- Recurrence of ovarian cancer
- Women's health
- Use in intraperitoneal chemotherapy for gynecologic malignancies

Head and Neck Cancer

- Additional H&N topics (3)
- Nutritional supplements for head and neck patients
- Thyroid cancers and environmental risk factors
- Clinical Trial Update in Head and Neck Cancer
- Life after treatment—especially head and neck cancers
- Presentation on neuroendocrine tumors
- Managing complications of head and neck cancer treatments
- Something on chordoma, a rare slow growing

- cancer and treatment options are limited
- Updates on head and neck post treatment needs and assistance available, especially dental
- Esophageal cancer

Hematology

- Leukemia and lymphoma (8)
- Anything heme/onc related (4)
- Bone Marrow Transplant
- MGUS
- Reading bone marrow reports
- Lymphoma and current therapies CART-T
- Lymphoma
- Info on MDS treatments

Immunotherapy

- Immunotherapy (15)
- Immunotherapy 101
- Immunotherapy and chemotherapy education
- Immunotherapy and unique elements of adverse events as compared to traditional tx
- Immunotherapy complications and remedies
- Immunotherapy courses and courses about Car T cell therapy/SCT (2)
- More on immunotherapy and radiation
- Information related to immunotherapy and toxicities, as well as biomarkers and precision medicine are always welcome, due to the rapid changes in those areas
- Immunology treatments: which one to choose and why, why draw the particular labs that are drawn, percentage of side effects where treatment has to be stopped
- Current cancer types immunotherapy are being used for and specific side effects and what to look for within those side effects
- Immunology, new drugs, new uses for different cancers, side effects
- Immunotherapy side effects that become long term problems
- Immunotherapy for cancer and hospice. How has the hospice discussion changed in light of new immunotherapy options? Are patients less likely to receive the hospice support they need at end of life?

- Immunotherapy reactions and how to recognize and treat them
- With all the new immunotherapies coming along, would like to discuss any long-term effects these might have on patients
- Targeted therapy lectures

Integrative Medicine

- CBD oil and medical marijuana (4)
- More about CBD oil and risks/benefits as alternative to opioid usage
- Natural remedies for treatment of side effects related to cancer
- Use of alternative therapies and their interactions with anticancer agents
- Integrative med
- Medical evidence relating to the risks and benefits of marijuana and cannabinoid derivatives
- Alternative treatments
- Have a specialist speak about natural alternatives like apple cider vinegar and ashwagandha root and turmeric etc
- Pet therapy
- Supportive care issues and alternative medicines
- Non-FDA approved herbal treatments for cancer
- Continue with the mind body information
- Supplements of true value and what is hype
- Highlight the importance of non-drug and translational studies. Our group works in that area with Dr. Carey and Dr. Serody, and I know there are other groups doing non-drug trials within UNC. It would be interesting to highlight that work
- I'd love to hear from the UNC Functional Medicine practice doctors about their expertise in supporting cancer patients. It seems this type of complementary medicine could really be a help to patients post treatment, truly survivorship care

Nursing

- Nurse Navigation from other academic institutions comparison and case manager updates (3)
- Nurse Navigation metrics (2)

- Nurse Navigator barriers/resources (2)
- Nurse Navigation or clinical trials
- The oncology nursing shortage
- Anything related to the role of Research Nurse
- Responsibilities of cancer research nurses
- Sx awareness, clinical diagnosis and pt management
- Complexity of patients
- Transition of care
- Emerging dietary supplements in conjunction with traditional cancer management
- Sessions related to interprofessional healthcare team
- Need more in supportive care elements (esp for the Nurse and global allied health team) (2)
- Helping nursing staff understand clinical research and their role
- Professionalism in Nursing. Unfortunately, nursing has become a job and not a career. We have what I like to call “check box nurses” who ensure they chart what is needed per orders but forget that they can also critically think and problem solve. Some patient issues can be solved under the prevue of nursing interventions
- Roles of nurses and other unlicensed staff in a specialty model ambulatory clinical setting
- How interpreters can avoid common pitfalls while interpreting in a medical setting. What are the common traps?
- Informed consent process

Nutrition

- Nutrition and cancer (3)
- I would like to see more on how nutrition/sugar plays into cancer progression/remission etc
- Diet, sugar intake, use of stimulants, fasting
- Managing weight loss
- Nutritional and supplemental gaps and specific options and offerings that may benefit patients, and how to respond in supportive conversations with patients
- Information on diet and sugar intake
- Supportive nutrition care
- Popular diets in cancer treatment review (i.e. Ketogenic diet, methionine restriction, etc)

- Addressing more about evidence informed guidance on nutrition for cancer survivorship
- Any nutrition lecture from her on “Eating During the Holiday”
- More nutritional lectures that relate to patients on chemo and immunotherapy
- Proper nutritional planning before, during, and after chemotherapy
- More about the metabolic approach to cancer, specifically any knowledge with the UNC faculty about studies done recently evaluating the concept of intermittent fasting and/or ketogenic eating while receiving chemotherapy.
- Continuation on this theme of dietary supplements in the oncology population. Discuss other common herbs used in this population and how they may interact with cancer treatments. Also, any topic that would be helpful is to discuss dietary supplements that may be beneficial to individuals with cancer or those in the post treatment survivorship phase
- Has the NC Cancer Hospital leadership considered a shift in the nutritional offerings you provide to cancer patients undergoing chemotherapy and radiation therapy. It seems we do a disservice to provide packaged and processed and unnatural foods. The typical American diet is contributing to the cancer epidemic and it would seem we could and should do a better job in our clinics of modeling healthier choices. Some say patients want comfort foods like oreos and cheesy crackers, but that doesn’t seem the right answer.

Oncology Emergencies

- Dealing with oncologic emergencies (for allied health and nurses) (6)

Palliative Care and Hospice

- Palliative Care Inpatient (3)
- Hospice and eliminating the fear of the word hospice (2)
- Hospice/palliative care conversations
- End of life discussions and care
- Assisted suicide
- Opioid prescribing update/ alternatives for pain management

- When to stop cancer-directed therapies (more harm than good): A Palliative Care Approach
- Integrating palliative care earlier and more often for cancer patients and their families
- Pain mgt and mood issues
- Pain control, alternatives to narcotics
- Comfort care – what’s involved

Patient Care

- Counseling patients with bad outcomes
- Communication between caregivers/patients and health care providers when dealing with cancer care
- Blood products and Jehovah Witnesses as patients
- Emotional support for family members
- Offering support for family/caregivers without taking away from patient’s visit
- Resources for patients
- Specific expectations for patients
- Alcohol abuse in cancer patients
- How to help patients with advanced directions, how to start that conversation
- More specific counseling skills for cancer pts
- More resources to recommend to patients
- Increased solutions to assist patients with compliance
- Would love to see something about community resources for support for patients post treatment
- New modalities of treatment, patient education, quick reference guides for care givers/providers (2)
- Vaccination recommendations in cancer patients and timing of vaccinations with regards to cancer treatment
- More symptom education
- Sepsis – prevention and early intervention. Any quality and safety elements

Pediatric Oncology

- Pediatric cancers (3)
- More programs relating to pediatric cancer care treatment as well
- Peds radiation therapy

Pharmacy and Cancer

- Covering a more in-depth synopsis of the pharmacotherapeutics associated with the medications
- Info on YONDELIS (2)
- Oral chemo agents
- Re-load with trastuzumab if >7days? But what about with combo pertuz?
- New drug update
- As a pharmacist, detailed coverage of pharmacologic treatment modalities, as well as covering in-depth, how to counsel the affected patient population would be beneficial
- Other oral therapy adherence
- USP 800
- Oral agents for cancer treatment
- Biosimilars
- Infectious diseases—specifically drug updates, use of letermovir, vaccine updates
- Any new drugs out on the market being used for oncology : cancer-type specific, side effects or new disease states the drugs are being used for
- Constipation with Zofran during and after chemo tx
- Biosimilars in cancer therapy
- Suboxone management/dosing at different stages

Professional Burnout

- Nursing incivility, burn-out, therapeutic relationship

Psychology/Psychiatry and Cancer

- Resources for depression and anxiety related to cancer care and diagnosis
- Neurocognitive training certification
- Encounter many patients with medication-induced dysphagia
- Something related to psychosocial needs
- Neuro-oncology—standard of care—MRI techniques to follow for progression
- Alterations in memory and concentration associated with chemotherapy treatment
- Anything to address the physical and psychosocial needs of oncology patients
- Neuro-oncology

Race and Cancer

- Minority enrollment in clinical trials at UNC

Radiation Oncology

- Radiation Oncology issues/developments (14)
- Separate course related to proton treatment would be useful as this is a newer technology that clearly shows promise (4)
- Talk from a radiation oncologist
- Radiation clinic
- Brachytherapy for cervical cancer and or prostate cancer
- IR procedures and side effect management for these procedures and who is a candidate

Sarcomas

- Soft tissue sarcoma treatment options, survival rates and long-term side effects (2)

Skin Cancer

- Treatment of skin cancers (2)
- Clinical research on Melanoma (4)
- Perhaps a talk on MM from an oncology nurse or clinical nurse specialist (2)
- The many faces and phases of multiple myeloma

Surgery and Cancer

- Surgical options for oncology patients

Survivorship

- Survivorship (12)
- Can you look at Survivorship Care Plans and all its' challenges?

Thoracic Cancer

- Esophageal – Lung
- NSCLC
- Clinical pathway development for esophageal patients
- Adenocarcinoma of lung and targeted therapy; basic pathology report 101 in regards to terminology and what it means
- Esophageal education resources
- Lung cancer

Tobacco and Vaping

- Smoking cessation
- Cancers caused by vaping
- Patients might want cigarettes, but we don't allow them to smoke in our clinics. It would be more expensive and perhaps less practical, but if there is anyone doing research on this topic I'd find that to be a problem we should be solving collectively, and would love to hear more

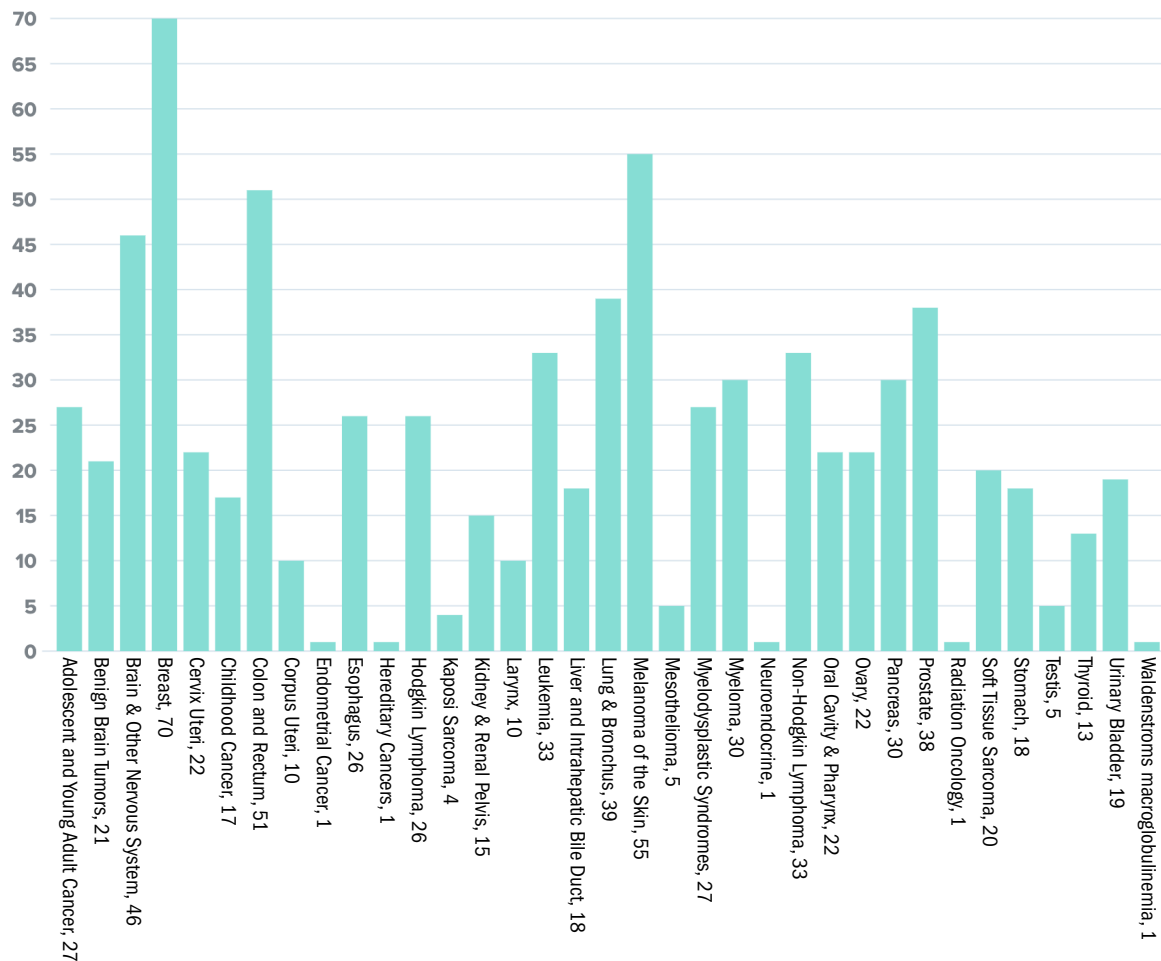
2020 Participant Survey Feedback

In May 2020, the UNC Cancer Network asked participants to answer a short, nine-question survey. Over 100 people did, providing us with these snapshots of their preferences for the 2021 lecture series.

We asked: “What type(s) of cancer are you MOST interested in learning more about? Click on all that apply.”

They replied:

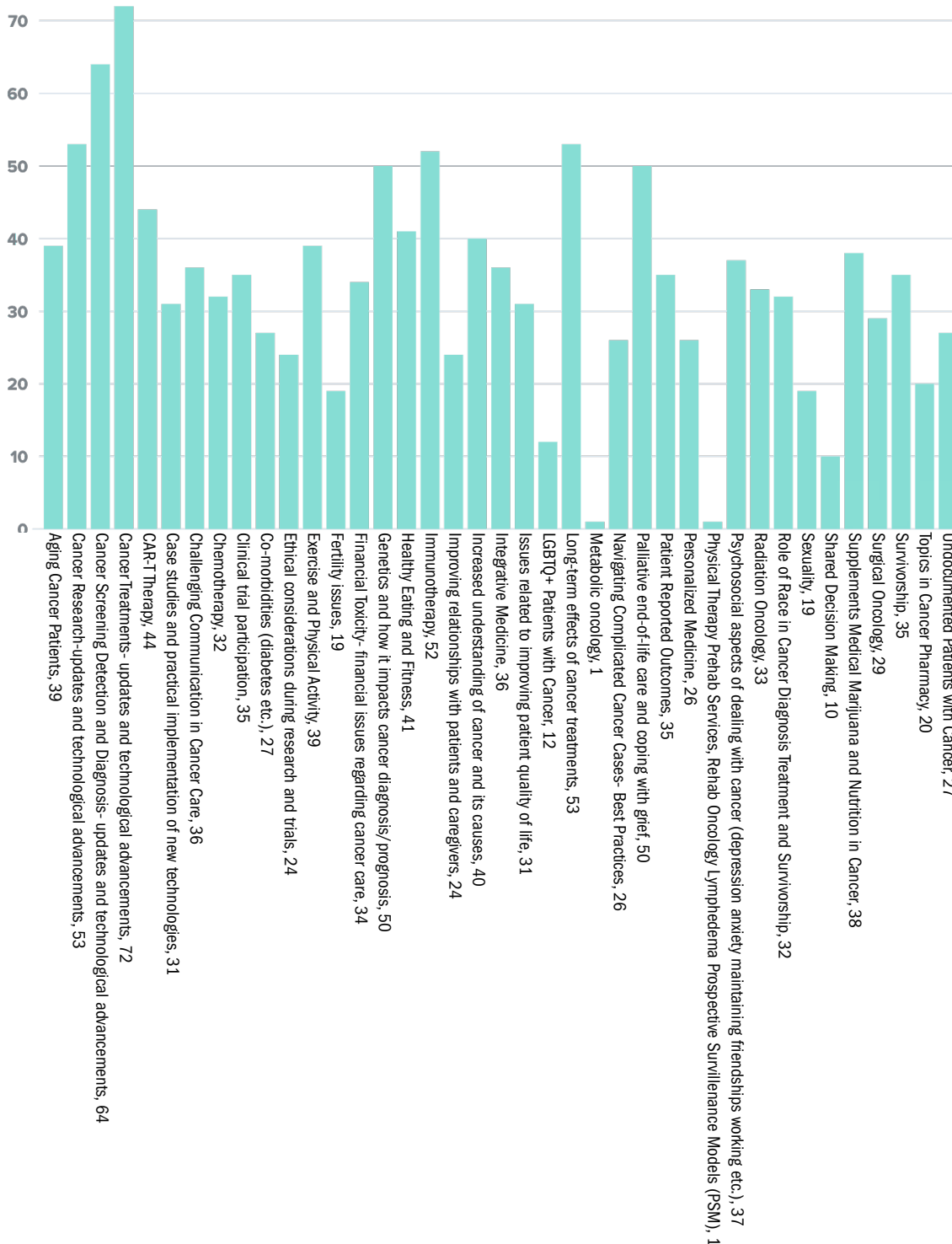
Type(s) of Cancer



We asked: “Which of the following cancer-related issues would you MOST like to learn more about? Please click on all that apply.”

They replied:

Cancer-Related Issues



We asked: “Are there specific speakers you would like to see during the 2021 UNC Cancer Network lecture series?”

They replied:

Cancer patients or cancer survivors who share their valuable knowledge about the disease as well as their personal stories about life with cancer.

Doctors who are Cancer survivors

Julie Blatt

Ethan Basch

Lew Cantley

Lisa Carey

Leslie Clark

Frances Collichio

Claire Dees

Amy Garrett, OCTR Director (Non-Drug, Translational Trials)

Stuart Gold

Juneko Grilley-Olson

Ashley Leak

Carrie Lee

Deb Mayer

Jason Merker

Leeza Park

Chad Pecot

Emily Ray

Katie Reeder-Hayes

Brandi Reeves

Paul Richardson

Don Rosenstein

Jon Serody

Kathryn H. Schmitz, Ph.D., one of the world’s experts on exercise science in cancer, performed landmark studies known as the physical activity and lymphedema (PAL) trial and Strength After Breast Cancer (Strength ABC). These studies evaluated the effects of resistive exercise (weight training) in breast cancer patients with lymphedema⁴ and those at risk for lymphedema.

Michael Stubblefield, MD offers exciting insights on cancer rehabilitation as a survivorship care model.

Nancy Thomas is always interesting (melanoma)

Melissa Troester

Linda Van Le

Ben Vincent

Peter Voorhees

Stephanie Wheeler

Adam Zanation

We asked: “Are there specific topics you would like to see during the 2021 UNC Cancer Network lecture series?”

They replied:

Alternative therapies for cancer treatment and or symptom management (non-pharmaceutical)

Anti-Cancer Living

Cancer and the uninsured

Cancers related to soil, water in our region

CAR-T updates and in variety of cancer treatments

Cardiotoxicity, nursing assessment

How COVID-19 affects patients with cancer and how health care providers can help them.

As an instructor, how can chemotherapy be summarized and hit the highlights for a community college audience without the topic becoming overwhelming.

Importance of clinical research activities within oncology settings

Improving care for patients with disparities

Inclusion of laboratory/pathology speakers in a discussion of molecular oncology

Innovation and cancer care

Integrative medicine

Integrative Oncology

Long term effects of chemo and radiation (and what we are educating patients on regarding these)

Microbiomes and cancer treatment/BMT

Navigating care decisions for patients with serious and persistent mental illness; end-of-life issues for single parents with cancer (Eliza Park MD and Justin Yopp PhD have valuable work related to this)

New research on GBM

Oncology Rehab Services for breast, head/neck and pelvic impairments. Discussion on how UNCC implements oncology rehab with tumor board meetings, survivorship planning and rehab outcomes.

PI3K drugs

Prostate - new therapies and procedures. CLL - updates and new target therapies

Radiation treatments head/neck

remote visits, role in cancer therapy

Role of medical physicists in cancer care

Screening for individuals at high/increased risk for pancreatic cancer

skin cancer for the sun belt

Symptom management

The Benefits of Yoga for Cancer Patients

The Role of Lifestyle Medicine in Oncology

We asked: *“Is there recent or emerging research that you feel should be presented by the UNC Cancer Network in 2021?”*

They replied:

20 years ago compared to today side effects after chemo and radiation. Is there true progress or is the progress on the way?

Advances in predictive testing (new diagnosis or relapse)

All of these new pathways and different testing techniques are confusing! Can someone please spell out the differences in the testing?! Caris, foundation 1, etc.

Always interested in new biologics, updates on clinical trials

Breast cancer in young women

Cancer Vaccines (recent article about this w/ Jared Weiss & Ben Vincent)

CAR-T therapy

CRISPR and how it is being used for cancer treatment.

Fast tract FDA approval of Chemotherapy treatments.

Immunoscore in colon cancer (HalioDx)

Immunotherapy

Metabolic cancer and PI3K drugs

Michael Stubblefield, MD offers exciting insights on cancer rehabilitation as a survivorship care model.

Molecular tumor markers

More information regarding Medical Marijuana

Precision health, omics

Presented at the National Coalition for Cancer Survivorship (NCCS) Policy Roundtable. March, 2020

Region environmental concerns that impact Cancer dx

We asked: *“Are there any additional ways in which our presentations can be improved?”*

They replied:

It would be good if the presenters understand that the audience is not just medical doctors, but allied health and lay people as well. Keeping that in mind, make sure to keep study trials in an understandable format for everyone. Provide information that is understandable to an average college grad.

Supply slide deck ahead of presentation for pre-read and to submit questions before presentation

The presentation format and the speakers have all been great.

Y'all are awesome and I really enjoy these lectures online

We asked: *“Please provide us with any additional feedback that you feel would be helpful as we plan for future lectures.”*

They replied:

I enjoyed the interaction with the speakers through answering their questions

I enjoyed the series so far. Informative.

I really enjoy the programs and all information is useful

I think the current format and topics are very helpful. I'm enjoying the sessions that I have been able to attend.

I'm writing this from the perspective of a community college A.D.N. instructor.

It seems like there is so much to try to pack into our class time, that it is rarely practical to have the students watch the entire presentation. Nevertheless, the presentations are very important to me (and I believe to the students) to keep me up-to-date so that what I teach is evidence-based and meaningful, even if I have to pick and choose the material from your presentations. Of course, that doesn't reflect well when you are trying to keep track of numbers of people watching your webinars. Please remember that educating one instructor educates a lot of students indirectly. So, thank you immensely for your efforts in organizing these educational opportunities! I believe they do really matter.

Keep up the great work.

Streamline the CE process

Thank you for providing these lectures! Very informative and I appreciate the opportunity to receive CE credit for topics that interest me!

Thanks for all the updated information on the latest research!

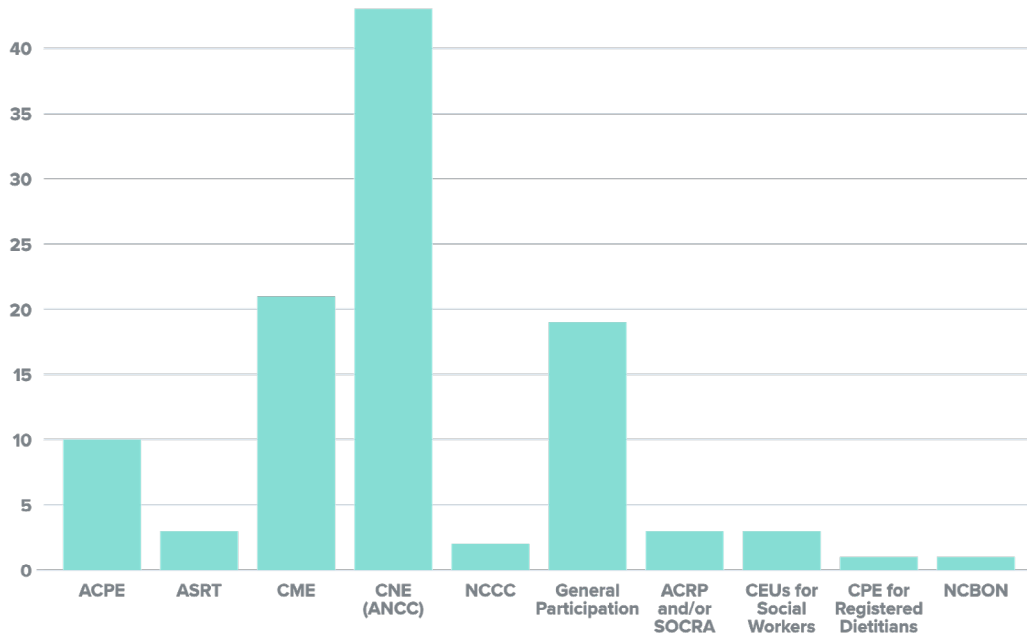
Thanks for facilitating, it's been very informative. Perhaps advertise to make this and your site available to the residents of the town.

This is a great educational process. No suggestion, but a great fan of this department

You do a great job! Thank you so much for providing this educational opportunity.

We asked: “Which type of CE credit are you most interested in?”
They replied:

Types of CE Credit



UNC Cancer Network Suggestions

During the past year, several individuals were presented to us as potential speakers. Likewise, we also received suggestions for topics. We share these with you.

Also, please note that each of these lectures must have a nurse as either a presenter or a co-presenter, so as to ensure that these lectures are tailored to and beneficial for a nursing audience.

John M Salsman, PhD

I'm too young for this: Understanding, Measuring, and Addressing Quality of Life, Fertility Concerns, and Distress in Adolescents and Young Adults with Cancer

Dr. Salsman is a tenured Associate Professor in the Department of Social Sciences and Health Policy at the Wake Forest School of Medicine. He is the Director of Clinical Research in Adolescent and Young Adult Oncology and the Co-Leader of the Cancer Prevention and Control Program at the Comprehensive Cancer Center of Wake Forest University. His research focuses on maximizing the health-related quality of life of teens and young adults with cancer both during and after treatment. He does this primarily through three ways: improving measurement of patient-centered outcomes in order to “give patients a voice,” identifying factors that promote resilience and thriving, and implementing behavioral interventions to foster psychological wellbeing. Ultimately his goal is to minimize the adverse effects of cancer by reducing stress and burden in order to maximize and sustain healthy outcomes for this vulnerable group of cancer patients and survivors.

Sara Mitra, MPH, MSW

Tobacco Use Treatment in Cancer Care

Patients who stop using tobacco have improved cancer treatment outcomes and decreased treatment-related side effects, making tobacco use treatment an essential component of cancer care. This lecture will present evidence-based treatment for tobacco use, including guidelines for brief intervention and for prescribing tobacco cessation medications.

Tammy Triglianios, ANP, AOCNP

Colonoscopies in Detecting Colon and Rectal Cancers

Really young people are getting colon cancer and rectal cancers more than ever before (the numbers are really high). Oncologists are now recommending your first colonoscopy at 45.

Blaine Brower, FNP-BC

Common Side Effects to Immunotherapy and Management

Immunotherapy comes with its own range of side effects and methods for oncology professionals and caregivers to help cancer patients. The presenter covers how oncology professionals can help patients manage side effects stemming from immunotherapy.

See: Immunotherapy 101 (9/12/18)

Andrea Hayes-Jordan, MD

UNC Surgery Profile

Andrea Hayes-Jordan, MD, is a Professor of Surgery and the Chief of the Division of Pediatric Surgery in the Department of Surgery at UNC-Chapel Hill. She is also the Surgeon-in-Chief of the NC Children's Hospital. She discusses how the work she does effects generations of children, what gets her up in the morning, and her life-changing research for a rare cancer.

See: Outcomes Focused Perioperative Management of Cancer Patients (12/12/18)

Mary Dunn, MSN, NP-C, OCN, RN
Testicular Cancer Treatment and Trials

This lecture explores testicular cancer treatment options, including who to treat and who to continue monitoring. He will also talk about testicular cancer trials, changes in standard of care, and the future of testicular cancer treatment.

Brian Kanapkey, MA, CCC-SLP

Valerie Collins, PT CLT-LANA

Palliative Therapy in Head and Neck Oncology

We might think of palliative care in terms of minimizing pain, but with head and neck cancers this form of care also involves speech function. With this talk, the speaker will discuss such issues as the role of ancillary therapy, physical therapy, and speech pathology. She/he will also help us with treating Lymphedema and Trismus as well as how to deal with swallowing and speech dysfunction.

See RN/AH: Palliative Care Opportunities (7/11/18)

Stephanie Wheeler, PhD, MPH

Donald Rosenstein, MD

Need Nurse to co-present

If You Have To Ask, You Can't Afford It: Addressing Financial Toxicity Among NC Cancer Patients

Sometimes, the ability of cancer patients to receive care depends on factors beyond the control of oncology professionals. People of color and patients with without insurance and of limited economic means are more likely to die from complications or from lack of access to care. The presenters explore the reasons why some patients are more at risk and possible ways for oncology professionals to help these patients.

See RN/AH: Disparities in Breast Cancer: A Biology, Health Services and Solutions Story (1/9/19)

Melissa Gilkey, PhD

Need Nurse to co-present

Preventing Cancer

There are many different types of cancers, and various methods that help to prevent cancer. Our speaker will discuss some of the more compelling methods of preventing the different forms of cancer. The conversation will also compare hard science vs. speculation in terms of cancer prevention.

Daniel Reuland, MD, MPH

Need Nurse to co-present

Improving Colorectal Cancer Screening

This lecture explores ways in which healthcare facilities can update colorectal screening. One such method is multi-level intervention, including mailing stool tests, commonly referred to as FIT kits, directly to patients, in order to promote screening for patients during clinic visits, and to improve access to colonoscopy.

Michelle Gardiner, PharmD, (Last spoke 10/16)

Need Nurse to co-present

Helping Oncology Patients with Pharmacologic Reactions

Oncology patients always have reactions to their courses of chemotherapy. Our speaker will touch on such topics as side effects of treatment regimens, the management of toxicity with such adjuvant treatment options as Perjeta®, an overview of oral chemotherapy medications, and the most effective way to give treatment – in which order do meds need to be given. The lecture will also touch on how “organoids” or organs are being grown so that cancer can be introduced and drugs tested for efficacy.

See RN/AH: Understanding Oncology Drug Interactions (10/10/18)

Heidi Gessner, MDiv, BCC
Jennifer McEntee, MD, MPH, MA
Hospice and End-of-Life Care

While oncology professionals endeavor to eliminate cancer from their patients, sometimes the disease is too widespread or too advanced to be treated. In these cases, hospice care professionals aspire to help maintain each patient's dignity and quality of life as he or she approaches the end. This talk will share the principles, goals, and techniques of hospice practitioners.

See RN/AH: The Role of Palliative Care and Hospice Care in Improving Quality of Life (11/11/17)

Jan Busby-Whitehead, MD
Need Nurse to co-present
Investigating a Biomarker of Aging in the Pediatric Oncology Population

Geriatric syndromes including urinary & fecal incontinence, memory disorders, falls, functional decline, polypharmacy and complex disease. Dr. Busby-Whitehead is committed to the preservation and improvement of patient health through research and to funded programs that serve to develop an increase the reach of geriatric education and training of physicians and healthcare professionals in the field of aging. Her research in aging includes preserving musculoskeletal health, mitigating falls in older adults, assessment of racial disparities regarding treatment of urinary incontinence in Southeastern United States nursing homes, and developing & testing a treatment program for fecal incontinence in frail elders.

Speaker TBD
Need Nurse to present or co-present

Our Assumptions about a Patient's Support Network and the Potential Impact on Their Survival Prospects

Sometimes we make assumptions about a patient's support network, assumptions that can be dangerous for the patient. These speculations might include designing different therapies for single and married patients depending on the oncology professional's suppositions about who the patient might or might not have as caregivers. These conjectures can greatly impact the patient's survival prospects.

Zach Kadro, ND
Nutrition and Cancer
Description TBD

Lyn Filip
Utilizing Therapy Dogs in the Treatment of Patients with Cancer
Description TBD

Hayes-Jordan
Pediatric Abdominal Tumors
Description TBD

Yvonne Angwenyi, MSPH, RN
Cancer and Health Literacy: Implications for Practice and Public Health
Need description

Speaker TBD
New Models and Mechanisms: Identifying Novel Treatments for Advanced Breast Cancer
Description TBD

UNC Cancer Network Lectures in 2017

These are the lectures that the UNC Cancer Network presented as part of the **RN and Allied Health** and **Medical and Surgical Oncology** lecture series in 2017.

RN and Allied Health

Julianne O'Daniel, MS, CGC	1/11/17
Using Genetics and Genomics for Cancer Risk Identification	
Brian Jensen, MD	2/8/17
Late Effects of Cancer Treatment: Managing Cardiac Toxicity	
Jennifer Spring, RD, CSO, LDN	3/8/17
Nutrition Update: Prevention, Treatment, and Recovery	
Benyam Muluneh, PharmD, BCOP, CPP	4/12/17
Oral Chemotherapy: Overcoming the Challenge of Adherence	
Kim Keller, RN, MSN, OCN	5/10/17
Understanding the Pivotal Role of Nursing in Clinical Trials	
Amy Depue, RN	6/14/17
Jacquelyn Webb, BSN, RN, OCN	
The Power of Teamwork: Navigating Patients with Complex Needs	
Trevor Jolly, MBBS	7/12/17
Care for Older Adults with Cancer: Who, When, Where, Why, and How?	
AnnMarie Walton, PhD, RN, MPH, OCN, CHES	8/9/17
Pesticide Protective Behavior in Agriculture: A Cancer Prevention Strategy	
Meredith Keisler, PharmD, CPP	9/13/17
Management of Malignant Pain in the Era of Opioid Epidemic	
Kyle Lavin, MD, MPH	10/11/17
Medications: I am not a prescriber, what do I need to know?	
Gary Winzelburg, MD, MPH	11/8/17
Role of Palliative and Hospice Care in Improving Quality of Life	
Gary Asher, MD, MPH	12/6/17
The Evidence Base for Integrative Approaches to Cancer Care LIVE	

Medical and Surgical Oncology

Kenneth Ataga, MBBS	1/25/17
Sickle Cell Disease: An Overview and Updates	
Matthew Foster, MD	2/22/17
Acute Myeloid Leukemia: An Overview and Updates	
Karyn B. Stitzenberg, MD, MPH	3/22/17
Promising New Treatment Options for Rectal Cancer	
Ethan Basch, MD, MSc	5/24/17
Impact of Patient Reported Outcomes on Patient Care	
Brandi Reeves, MD	6/27/17
Treatment of Relapsed and Refractory Multiple Myeloma	
Benjamin Vincent, MD	7/26/17
New Options for Immunotherapy: Where We Are and Where We're Going	
Tracy L. Rose, MD, MPH	8/23/17
Renal Cell Carcinoma: Past, Present, and Future	
Juneko Grilley-Olson, MD	9/27/17
Head and Neck Cancer: Treatments and Complications	
Kevin Pearlstein, MD	10/25/17
The Role of Radiation Therapy in Advanced and Metastatic Disease	
Frances Collichio, MD	11/15/17
Advances in Melanoma Cancer Treatment	
Claire Dees, MD, MSc	12/13/17
Metastatic Breast Cancer 2017	

UNC Cancer Network Lectures in 2018

These are the lectures that the UNC Cancer Network presented as part of the **RN and Allied Health** and **Medical and Surgical Oncology** lecture series in 2018.

RN and Allied Health

Aimee Faso, PharmD, BCOP, CPP	1/10/18
Fluorouracil (5-FU) Toxicities and Strategies for Management LIVE	
Samantha Meltzer-Brody, MD, MPH	2/7/18
Provider Burnout and Compassion Fatigue in the Clinic	
Donald Rosenstein, MD	3/14/18
Justin Yopp, PhD	
Improving End-of-Life Care: What Can We Learn from the Bereaved?	
Meredith Moyers, MS, RD, CSO, LDN	4/11/18
The 7th Vital Sign: Identifying Malnutrition	
Alisha Benner, MD	5/9/18
Medical Marijuana: It's High Time to Talk	
Cherie M. Kuzmiak, DO, FACR, FSBI	6/13/18
Breast Imaging Technologies: Cancer Detection & Personalized Medicine	
Nicole Sartor, RN, MSN, C-PNP-PC	7/11/18
Palliative Care Opportunities	
Deborah K. Mayer, PhD, RN, AOCN, FAAN	8/8/18
Survivorship Care Planning: Beyond Standard 3.3	
Paul Armistead, MD, PhD	9/12/18
Immunotherapy 101	
Katherine Morgan, PharmD	10/10/18
Understanding Oncology Drug Interactions	
Lauren Lux, LCSW	11/14/18
Caring for Adolescents and Young Adults Living with Cancer: Meeting their Unique Medical and Psychosocial Needs	
Joanne Pizzino, MD, MPH	12/12/18
Complementary Therapies in the Treatment of Cancer	

Medical and Surgical Oncology

Jason Akulian, MD, MPH	1/26/18
Managing Cancer Heterogeneity	
Chad Pecot, MD	2/21/18
Immunotherapy Advances in Lung Cancer	
Thomas Alexander, MD, MPH	3/28/18
Meeting the Unique Needs of Pediatric Oncology Patients	
Matt Milowsky, MD	4/25/18
GU Cancers: Best of ASCO	
Joshua Zeidner, MD	5/23/18
Acute Myeloid Leukemia (AML): Finally Making Progress?	
Lisa Carey, MD	6/27/18
Using Biomarkers to Plan Adjuvant Therapy in Breast Cancer	
Michael Lee, MD	7/25/18
Novel Molecularly Targeted Therapies and Biomarkers in Advanced Colorectal Cancer	
Temitope O. Keku, MSPH, PhD	8/22/18
Recent Advances on the Gut Microbiome and Cancer Therapy	
Simon Khagi, MD	9/26/18
Tumor Treating Fields for Glioblastoma	
Claudio L. Battaglini, PhD, FACSM	10/24/18
Bill Wood, MD	
Aerobic and Resistance Exercise in Cancer Patients: Methods and Benefits	
Leeza Park, MD	11/28/18
Understanding and Treating Anxiety & Depression in Patients and Families with Advanced Cancer	
Natalie Grover, MD	12/19/18
An Update on CAR T Therapy	

UNC Cancer Network Lectures in 2019

These are the lectures that the UNC Cancer Network presented as part of the **RN and Allied Health** and **Patient Centered Care** lecture series in 2019.

RN and Allied Health

Katherine Reeder-Hayes, MD, MBA, MSc Stephanie Wheeler, PhD, MPH Disparities in Breast Cancer: A Biology, Health Services and Solutions Story	1/9/19
Jacob Hill, ND, MS Safety Considerations When Managing Dietary Supplements in Cancer Care	2/13/19
Zev Nakamura, MD Cancer-Related Cognitive Impairment: More Than a Side Effect of Chemotherapy	3/13/19
Tammy Allred, RN, OCN Preparing Patients for Chemotherapy	4/10/19
Marc Bjurlin, DO, MSc, FACS Meredith Crabtree, FNP-C Prostate Cancer Screening	5/8/19
Katharine Harrell, NP-C Helping Patients with Breast Cancer	6/12/19
Jayne Camporeale, MS, RN, OCN, APRN Mary Fleming Knowles, MSN, ANP Radiation Oncology 101	7/10/19
Shifali Arora, MD Kathleen Ferrell, MPAS, PA-C Helping Patients with Esophageal Cancer	8/14/19
Claire Gillett, MSN, RN, OCN Professional Development and Continuing Education for Oncology Nurses	9/11/19
Myriam Peereboom, MBA/MHA, CMI, CHITM Working with Patients through Interpreter Services	10/9/19
Marie Malikowski, RN, MHA, CCRP Understanding Treatment Plans and Clinical Trials	11/13/19
Melissa Walter, MPH, RDN, LDN Nutrition and the Aging Brain in Cancer Care	12/11/19

Medical and Surgical Oncology

Brandi Reeves, MD Matthew Foster, MD Best of ASH 2018: Myeloma and Leukemia/MDS	1/23/19
Stephan Moll, MD Anne W. Beaven, MD Key 2018/2019 Developments in Lymphoma and Thrombosis/Anticoagulation	2/27/19
Yuliya Pylayeva-Gupta, PhD Immunological Mechanisms in Pancreatic Cancer	3/27/19
Raj S. Pruthi, MD Improving Outcomes in Radical Cystectomy	4/24/19
Trevor Hackman, MD, FACS The Role and Importance of HPV Infection in Head and Neck Cancer	5/22/19
Lisa Carey, MD Decision-Making in Metastatic Breast Cancer	6/26/19
Autumn McRee, MD Emily Ray, MD, MPH Best of ASCO 2019: Breast and Gastrointestinal Cancers	7/24/19
Jared Weiss, MD Tracy Rose, MD, MPH Best of ASCO 2019: Lung and Genitourinary Cancers	8/28/19
Brian Colwell Jensen, MD Cardiotoxicity and New Therapies	9/25/19
Bhisham Chera, MD Clinical Trial Update in Head and Neck Cancer	10/23/19
Paola A. Gehrig, MD Gynecologic Cancer (title subject to change)	11/27/19
Andrew Wang, MD New Indications for Radiotherapy	12/18/19

UNC Cancer Network Lectures in 2020

These are the lectures that the UNC Cancer Network presented as part of the **Patient Centered Care** and **Research to Practice** lecture series in 2020.

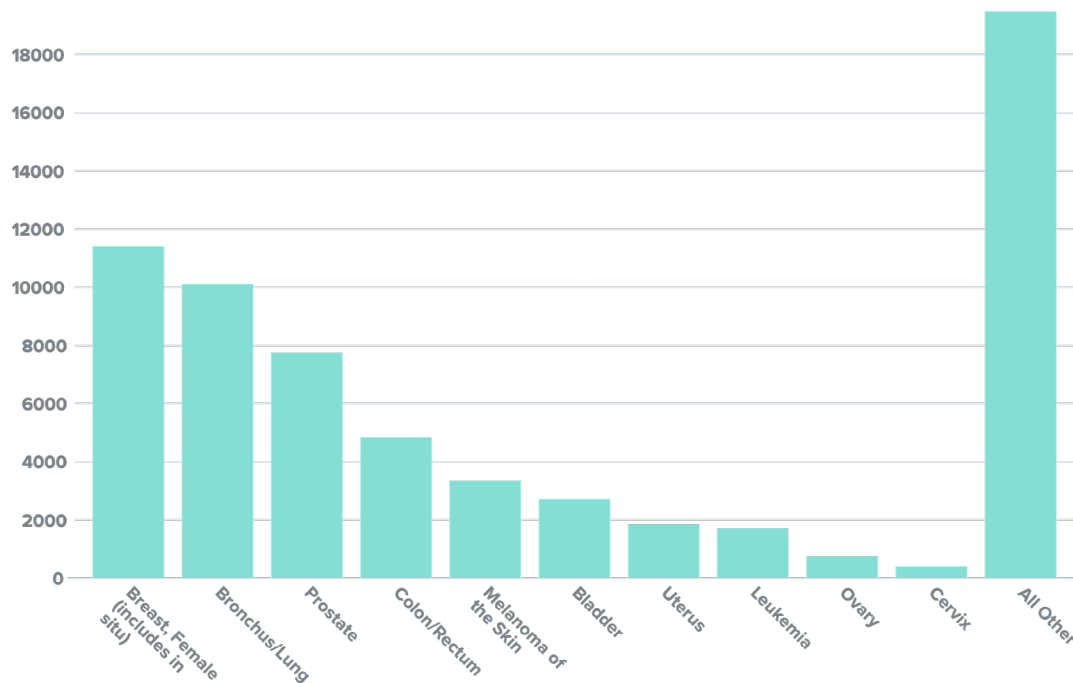


Gabrielle Brennan, MS,ACSM EP-C, CET	1/8/20	Young Whang, MD, PhD	1/22/20
The Benefits of Exercise for Cancer Patients		Prostate Cancer Management in NC: Updates for 2020	
Justin Yopp, PhD	2/12/20	Joshua Zeidner, MD	2/26/20
The Role of Patient Support Networks in Cancer Outcomes		Management of Acute Myeloid Leukemia in 2020: A Paradigm Shift for Older Adults?	
Julia Rodriguez-O'Daniel, LCSW	3/11/20	Frances Collichio, MD	3/25/20
Meeting the Needs of Undocumented Patients with Cancer		Immune (check point) Related Adverse Events	
Amy Goetzinger, PhD	4/8/20	Siddharth Sheth, MD	4/22/20
Use of Opioids in Patients with Cancer in NC		Head and Neck Cancer Management in NC: Updates for 2020	
Deborah Mayer, PhD, RN, AOCN, FAAN	5/13/20	Michael Lee, MD	5/27/20
Delivering Survivorship Care in NC		Gastrointestinal Cancer Management in NC: Updates for 2020	
Samuel Cykert, MD	6/10/20	Trevor Royce, MD, MPH	6/24/20
Christina Yongue, MPH, MCHES		Radiation Oncology in NC: Updates for 2020	
Angela M. Stover, PhD	7/8/20	Emily Ray, MD, MPH	7/22/20
Cancer Care Delivery Outside the		Breast Cancer Management in NC: Updates for 2020	
Michelle Gardiner, PharmD, BCOP, CPP	8/12/20	Shetal A. Patel, MD, PhD	8/26/20
Recognizing and Managing Side Effects of Cancer Treatment		Lung Cancer Management in NC: Updates for 2020	
Amanda H. Corbett, PharmD, BCPS, FCCP	9/9/20	Dominika James, MD	9/23/20
Supplements, Medical Marijuana, and Nutrition in Cancer		Neuraxial Anesthesia in Prevention of Cancer Recurrence	
Terri Phoenix, PhD	10/14/20	Benyam Muluneh, PharmD, BCOP, CPP	10/28/20
Patricia Morfeld, RN, BSN, OCN		Topics in Cancer Pharmacy in NC: Updates for 2020	
Meeting the Needs of Transgender Patients with Cancer			
Hyman B. Muss, MD	11/11/20	Christopher Dittus, DO, MPH	11/18/20
The Aging Cancer Patient Population in NC		Lymphoma Management in NC: Updates for 2020	
Stephanie B. Wheeler, PhD, MPH	12/9/20	Emily Olsson, CCRP	12/16/20
Donald Rosenstein, MD		Alicia Bilheimer	
If You Have to Ask, You Can't Afford It: Addressing Financial Toxicity Among NC Cancer Patients		North Carolina Cancer Challenge 2020: Improving Enrollment into Cancer Clinical Trials	

2020 NC Projected New Cancer Cases

Some recent statistics on cancer from the State of North Carolina Department of Health and Human Services

Breast, Female (includes in situ)	11,396	Uterus	1,845
Bronchus/Lung	10,096	Leukemia	1,714
Prostate	7,739	Ovary	730
Colon/Rectum	4,837	Cervix	406
Melanoma of the Skin.	3,334	All Other	19,460
Bladder	2,714	Total.	64,271



Department of Health and Human Services Statistics and Reports

Statistics and reports on cancer can be found at the Department of Health and Human Services. What follows is a list of available reports at <https://schs.dph.ncdhhs.gov/data/cancer.cfm>.