

UNC Lineberger Cancer Network  
NORTH CAROLINA  
COMMUNITY COLLEGE  
ONCOLOGY WEBINARS

September 27, 2022

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**EVALUATION SURVEY**



UNC Lineberger Cancer Network

**ONCOLOGY CAREER PATHWAYS: LIVE EVALUATION**

Your feedback is greatly appreciated!

Please visit: [unclcn.org/eval](https://unclcn.org/eval)

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UNC Lineberger Cancer Network  
**NORTH CAROLINA COMMUNITY COLLEGE**  
ONCOLOGY WEBINARS

September 27, 2022

**Oncology Career Pathways**

 <b>Patti Morfield,</b> RN BSN OCN	 <b>Shanybel Santer Torres,</b> CPNP
 <b>Jessica Church,</b> MPH, RT(R)(T), CMO	 <b>Isalah Zippie, ccr</b>

Grid of 32 small square icons: 8 squares in the first two rows, and 16 squares in the third row (8 filled with a red circle, 8 empty).

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UNC  
 UNC Lineberger Cancer Network

**There are many career paths for someone with an Associate Degree.**

True **A**

False **B**

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**OUR PRESENTER**



**Patti Morfeld, RN, BSN, CCRN**

Patricia Morfeld, RN, BSN, CCRN, is a native Texan and now Carolinian for ten years. She has two fabulous sons, ages 20 and 22, a less than gracefully aging dog named Stella, and two turtles named San and Frodo. She is pursuing an MSN with a focus on patient outcomes and a special interest in improving patient and staff safety.

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**OUR PRESENTER**



**Sharybel Santer Torres, CPHT**

Sharybel Santer Torres, CPHT, has been a CPHT for 15 years and has worked in different pharmacy settings including retail, hospital, and now more clinical. She is currently working for UNC Healthcare in their Specialty Pharmacy. Her primary focus is oncology, but she still helps patients in other specialties. Her current role involves collaborations with Pharmacists and Doctors and monthly checkins with patients.

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**OUR PRESENTER**



**Jessica Church,**  
MEd, MSX(1), CMD

Jessica Church is the manager of the radiation therapy and medical dosimetry education programs at UNC Medical Center. She is a graduate of UNC-Chapel Hill, with a bachelor's degree in radiologic science and certificates in radiation therapy and medical dosimetry. She has experience in teaching and academic advising and has mentored radiologic science professionals at various stages in their careers. Jessica enjoys working with students and is excited to be presenting on career pathways in radiology today.

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**OUR PRESENTER**



**Isaiah Zippie,** CR

Isaiah Zippie has a BS in Biology and Health Sciences from Duquesne University. He has worked as a Certified Tumor Registrar since September 2015 and in a Team Lead role since August 2020. He is also the chair of the nominating committee for the Association of NC Central Cancer Registries.

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**There are many career paths for someone with an Associate Degree.**

True  
False

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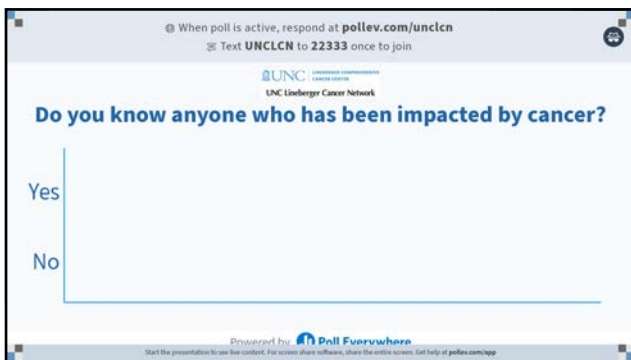
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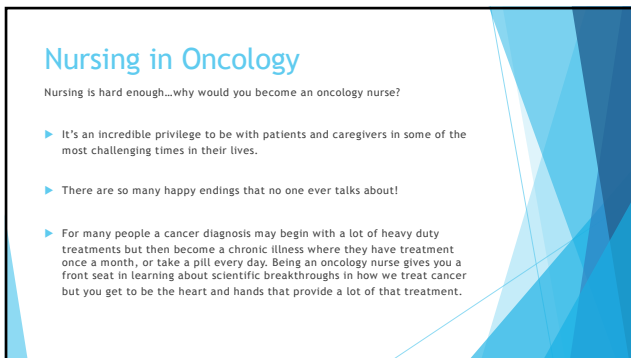
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### Where can you start with an ADN?

- ▶ Staff nurse in inpatient or outpatient setting
  - ▶ Inpatient oncology nursing may mean giving chemotherapy and/or providing supportive care for patients to help them tolerate treatment.
  - ▶ Inpatient Bone Marrow Transplant (BMT) nursing may mean giving chemotherapy to prepare a patient for transplant or helping with the transplantation of donor cells and then helping patients recover and return home.
- ▶ Outpatient oncology and BMT nursing can include collecting blood samples and providing transfusions or chemotherapy, supporting patients in radiation treatment, providing education about treatments, helping patients and caregivers learn how to manage side effects from their treatment
- ▶ Helping with access for IV's and all kinds of devices
- ▶ Taking part in clinical research-watching new medications become available to everyone is MIRACULOUS!

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### Why start with an ADN?

- ▶ Get your Associate's Degree and get started!
  - ▶ Most hospitals are wanting nurses to have their Bachelor's degree-but that doesn't have to happen on day one. Here at UNC Health we hire Associate's degreed nurses and there is a 7 year grace period for them to complete their Bachelor's degree
  - ▶ If you come to work as an ADN RN you can have your employer PAY for your Bachelor's degree-almost all healthcare organizations offer tuition reimbursement, loan forgiveness, tuition waivers, or a combination of all three. This is an investment in YOU and it pays off for your employer big time.
  - ▶ Once you begin your nursing career you will have a better sense of what interests you as a nurse-there are limitless ways to be a nurse-and how you are a nurse will change throughout your career-you may work nights for a couple years on an inpatient floor, then work in an outpatient clinic administering chemotherapy, then work as a nurse educator, and then move in to helping with home care or hospice. There is no ONE way to be a GREAT nurse and WE NEED YOU!

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### ▶ The Role of a Pharmacy Technician

▶ Shanybel Santer Torres, CPHT



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**About Myself**



**Shanybel Santer Torres, CPHT**

- Certified Pharmacy Technician for 15 years
- Work experience includes: community pharmacy, hospital pharmacy and now specialty pharmacy
- Work for UNC Healthcare in their Specialty Pharmacy, The Shared Services Center. I help patients with various disease states but focus on clinical care in hematology and oncology.
  - Benign hematology
  - Neuro-Oncology
  - Gastrointestinal Oncology (GI)
  - Genitourinary Oncology (GU)
  - Leukemia
  - Lung Cancer
  - Lymphoma
  - Melanoma
- Collaborate with not only our production team, but also other health professionals such as pharmacists, nurses and physicians to ensure continuity of care by completing monthly check-ins with patients:
  - Identify potential adherence concerns
  - Update their medication list to avoid drug interactions
  - Identify possible effects and other factors such as cost or social determinants of health which may impact the patient's ability to start or maintain treatment

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**Requirements of a Pharmacy Technician**

The North Carolina Board of Pharmacy (NCBOP) requires a pharmacy technician to:

1. Hold a high school diploma or equivalent or is currently enrolled in a program that awards a high school diploma.
2. Be employed by a pharmacy holding a valid in-state pharmacy permit.
3. Complete a training program approved by the supervising pharmacist-manager.

OR

1. Hold a current pharmacy technician certification issued by either:
  - Pharmacy Technician Certification Board (PTCB)
  - National Healthcareer Association's (NHA) ExCPT certification



Complete a minimum of 20 hours of continuing education every 2 years, which includes:

- 1 hour of pharmacy law, 1 hour of patient safety, 18 hours of pharmacy technician subject matters

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**Typical Career Paths**

- Community Pharmacy (Walgreens, CVS, Walmart, etc.)
- Nuclear Pharmacy
- Independent Pharmacy
- Pharmaceutical Sales
- Pharmacy Buyer
- Radiology
- Compounding Pharmacy
- Regulatory and Compliance
- Supply Chain



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### Typical Career Paths

- Health-System Pharmacy
  - Inpatient
  - Outpatient
  - Specialty Pharmacy
  - Medication Assistance
  - Traveling pharmacy technician
- Academic (teaching, training future pharmacy technicians)
- Supervisory or Management level positions

- There are many opportunities in each of these settings that allow for personal growth and development. These opportunities can open doors to the supervisory or management roles.



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### Growth Opportunities

- Advanced Certifications
  - Certified Compounded Sterile Preparation Technician (CSPT)
  - Billing and Reimbursement
  - Controlled Substances Diversion Prevention
  - Hazardous Drug Management
  - Immunization Administration
  - Medication History
  - Medication Therapy Management
  - Point-of-Care Testing
  - Regulatory Compliance
  - Supply Chain and Inventory Management
  - Technician Product Verification
- Many organizations will offer tuition reimbursement for higher education. Advanced certifications and further education typically results in higher pay.



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What is the minimum number of Continuing Education (CE) hours that a CPhT needs to complete every 2 years?

10 hours

20 hours

30 hours

There are no CE requirements for a CPhT

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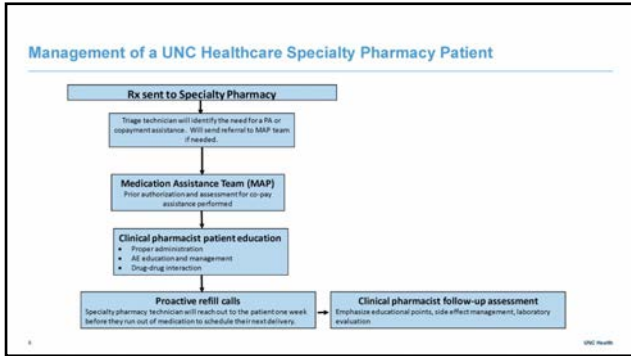
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### Final Thoughts

I chose to become a pharmacy technician and remain doing so for 15 years because I absolutely love what I do. I can honestly say I wake up every morning and am happy to do my job. Some days are difficult, especially when I am told a patient of mine has lost their battle with cancer, but then there are days where a patient and their family thank me for all the team and I at UNC Health do for them. We go unnoticed a lot but we make a difference. Whether it's delivering medications to someone's bedside before being discharged so they or their family don't have to wait at a retail pharmacy for their medications, doing the legwork of getting manufacturer assistance for someone so they can afford their medication, or calling a patient to schedule their medications for them so they have one less thing to worry about.

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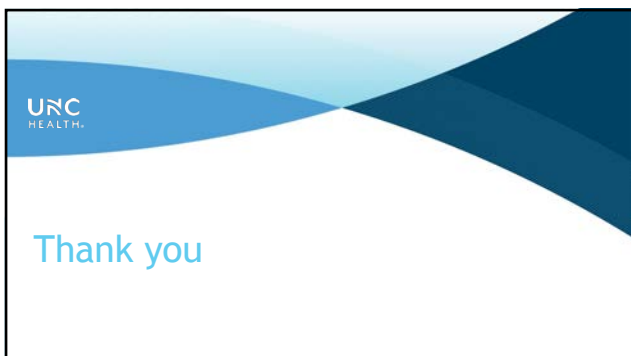
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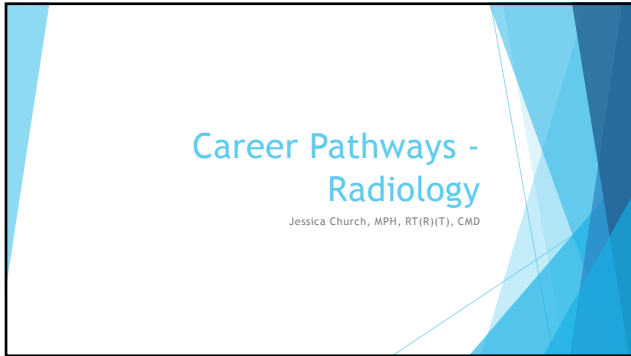
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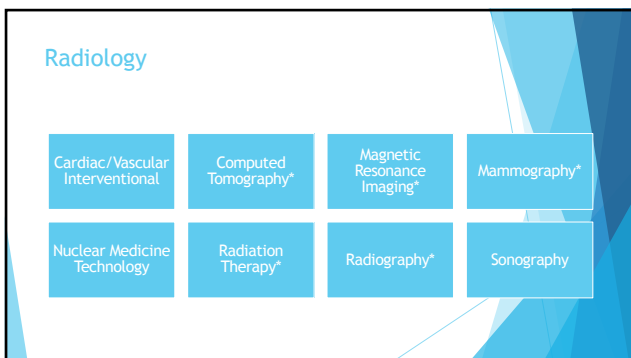
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### Radiologic Technologists

- ▶ Primary responsibilities - patient care and radiation safety
  - ▶ Create image of patients' bodies using specialized equipment
  - ▶ Prepare and inject radiopharmaceutical agents
  - ▶ Help physicians perform procedures
  - ▶ Deliver therapeutic doses of radiation
- ▶ Work environment
  - ▶ Hospital
  - ▶ Physician's office
  - ▶ Outpatient center
  - ▶ Laboratory

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### Radiography

- ▶ Radiologic technologist, RT(R)
- ▶ Creates images of patients' bodies using x-ray equipment
  - ▶ Routine
  - ▶ Emergency
  - ▶ Specialty
- ▶ Adults
- ▶ Pediatrics



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### Mammography

- ▶ Mammographer, RT(M)
- ▶ Creates images of patients' breasts using x-ray equipment
  - ▶ Routine screening
  - ▶ Follow-up



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### Computed Tomography

- ▶ CT technologist, RT(CT)
- ▶ Creates 3-D images of patients' bodies using x-ray equipment



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### Magnetic Resonance Imaging

- ▶ MRI technologist, RT(MR)
- ▶ Creates 3-D images of patients' bodies using specialized equipment
  - ▶ Uses magnets instead of x-rays



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### Radiation Therapy

- ▶ Radiation therapist, RT(T)
- ▶ Delivers therapeutic doses of radiation
- ▶ No x-ray dose to RT(T)s



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### Learn More

- ▶ American Registry of Radiologic Technologists (ARRT)
  - ▶ [arrt.org](http://arrt.org)
- ▶ American Society of Radiologic Technologists (ASRT)
  - ▶ [asrt.org](http://asrt.org)



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### Find a Program

- ▶ Joint Review Committee on Education in Radiologic Technology (JRCERT)
  - ▶ [jrcert.org](http://jrcert.org)



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### Thank You!

- ▶ Questions?
  - ▶ Jessica Church, MPH, RT(R)(T), CMD  
E-mail: [jessica.church@unchealth.unc.edu](mailto:jessica.church@unchealth.unc.edu)

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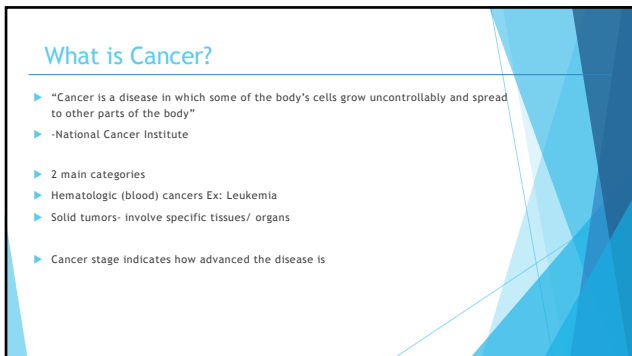
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### What type of information is abstracted by a Certified Tumor Registrar (CTR)?

- ▶ Demographics
  - ▶ Name, SSN, MRN, Address(current & at Dx), Race, Ethnicity, Tobacco/ETOH Hx, Family cancer Hx, Occupation & Industry, Birth Country/State
- ▶ Diagnostic Information
  - ▶ Date of Dx, Place of Dx (internal or external), Comorbidities at Dx, Histology, Primary Site, Diagnostic Confirmation method, Insurance at Dx, Covid-19 test (Cancer Dx in 2020/ 2021), Treating/Diagnosing/PCP MDs
- ▶ Staging
  - ▶ If an MD doesn't stage a case, the CTR must(any primary/histology combination per AJCC rules), Size/Extent of tumor growth, Nodal/Distant involvement, Site Specific Data Items (per primary site/histology combination), and whether/or not pre surgical Tx occurred
- ▶ Treatment/Outcomes
  - ▶ Surgery, Radiation, Systemics(Chemo, Hormone, Immunotherapies) both prior-to and after surgery, Palliative Intent treatments, Pt vital/cancer status, last date of contact, recurrences

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### First Course Treatment

- ▶ "The first course of treatment includes all methods of treatment recorded in the treatment plan and administered to the patient before disease progression or recurrence. "Active surveillance" is a form of planned treatment for some patients; its use is coded in the RX Summ-Treatment Status [1285]. "No therapy" is a treatment option that occurs if the patient refuses treatment, the family or guardian refuses treatment, the patient dies before treatment starts, or the physician recommends no treatment be given. If the patient refuses all treatment, code "patient refused" (code 7 or 87) for all treatment modalities. **Maintenance treatment given as part of the first course of planned care (for example, for leukemia) is first course treatment, and cases receiving that treatment are analytic.**"
- ▶ Ex: 10 years of tamoxifen

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### Treatment Modalities

- Surgery
  - ▶ See Store Manual Appendix A for site- specific surgery codes
- Chemo
  - ▶ See SEERx → differentiates chemo vs hormone vs immunotherapy vs other
- Radiation
  - ▶ Treatment dates/ Sites/ Treatment modality/ total dose/ # fractions/ cgy per fx
  - ▶ Epic radiation summary documentation
- Immunotherapy
- Hormone Therapy
- Hematologic Transplant and endocrine procedures
- Other Treatment
- Palliative Care

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**Follow Up**

- ▶ For analytic cases performed once every 15 months for life of patient
  - Vital status
  - Cancer status
  - Recurrence type/ date
  - Place/ cause of death if applicable
- 90% follow up rate for patients diagnosed in the last 5 years
- 80% follow up rate for patients diagnosed since 2004
- ▶ Since 2004 yearly follow up performed on 73,118 patients
- ▶ 25, 820 actively follow on annual basis

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**Pathways to CTR Credential**

- ▶ Path 1:
  - ▶ Earn an Associate Degree in Cancer Registry Management
  - ▶ Complete a Clinical Practicum at a Cancer Registry
  - ▶ Pass the Certified Tumor Registrar (CTR) Exam
  - ▶ Maintain the CTR Credential with Continuing Education Courses
- ▶ Path 2:
  - ▶ Complete 60-Hours of College-Level Courses
  - ▶ Earn a Certificate in Cancer Registry Management
  - ▶ Complete a Clinical Practicum at a Cancer Registry
  - ▶ Pass the Certified Tumor Registrar (CTR) Exam
  - ▶ Maintain the CTR Credential with Continuing Education Courses

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**Pathways to CTR Credential**

- ▶ Path 3:
  - ▶ Earn an Associate Degree or complete 60-Hours of College-Level Courses, Including Six College Credit Hours in Human Anatomy and Human Physiology.
  - ▶ Complete one year (1,950 hours) of Cancer Registry Experience
  - ▶ Pass the Certified Tumor Registrar (CTR) Exam
  - ▶ Maintain the CTR Credential with Continuing Education Courses
- ▶ <https://www.ncra-usa.org/About/Become-a-Cancer-Registrar/Paths-to-Become-a-Cancer-Registrar#:~:text=Earn%20an%20Associate%20Degree%20or,Credential%20with%20Continuing%20Education%20Courses>
- ▶ \*AHIMA Cancer Registry Management Program

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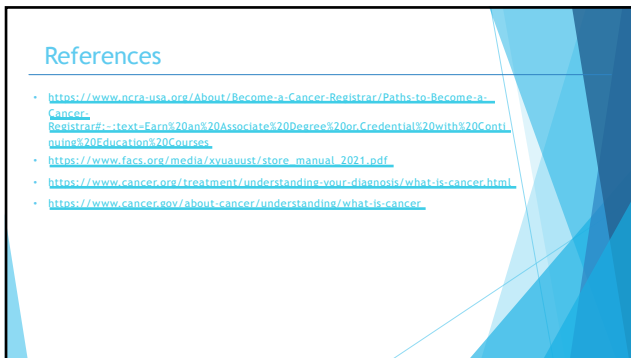
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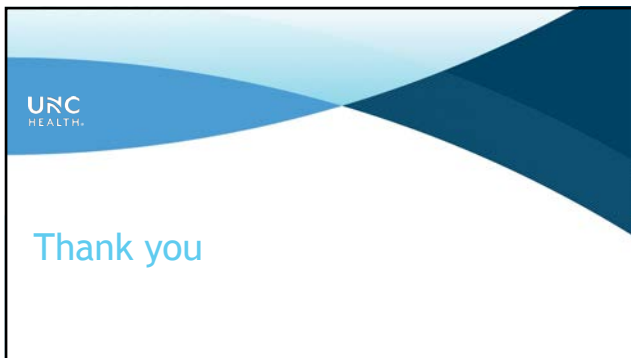
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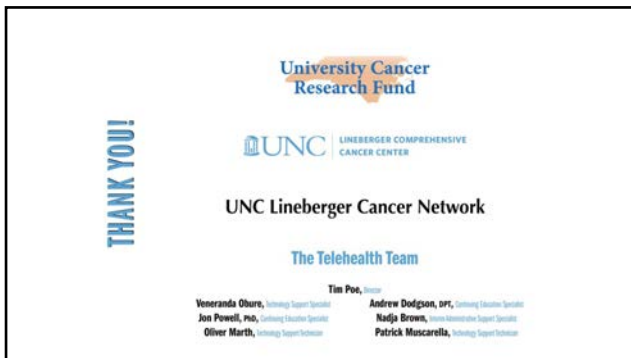
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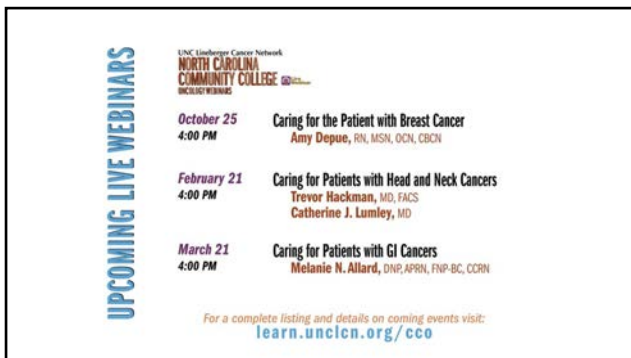
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**SELF-PACED, ONLINE COURSES**

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INCLUDES PREREQ

**Gynecologic Cancers: A Team Approach to Women's Health Care**  
 Daniel Clarke-Pearson, MD  
 Lyn Filipp, RN, BSN, OCN

**Palliative Care and Hospice for the Cancer Patient**  
 Gary Winzelberg, MD, MPH  
 Jenny Hanspal, RN, BSN, MS, OCN

**Caring for Patients with Genitourinary Cancers**  
 Tracy Rose, MD, MPH  
 Katherine P. Morgan, PharmD, BCOP, CPP

Today's webinar will be available in October 2022 as a FREE, Self-Paced, Online Course

For a complete listing and details on coming events visit:  
[learn.unclcn.org/cco](https://learn.unclcn.org/cco)

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