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Today's Agenda

- Overview of breast cancer
- Treatment options
- Common questions
- Covid-19 vaccine for patients
- RT Answers patient education materials



AMERICAN SOCIETY FOR RADIATION ONCOLOGY

Today's discussion is informational only and should not be used in place of advice specific to your condition from your medical professional.

We will discuss treatments including surgery, chemotherapy, radiation therapy and others.

We encourage you to talk to other specialists, where appropriate, about any treatments you are considering.



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**Types of cancers
we will discuss:**

Invasive breast cancer

Pre-invasive breast cancer (e.g. DCIS)

BREAST CANCER

WOMEN'S HEALTH INFOGRAPHIC



Breast cancer is cancer that develops from breast tissue

2nd This is the 2nd place in the frequency among oncological diseases in the world

from **13** to **90** years at this age, women have a risk of developing breast cancer

from **8,000 to 1,000,000** annually registered cases of breast cancer in women in the world

CAUSES



DIAGNOSTICS



mammography, MRI



self-examination



consultation with a mammologist



biopsy, cytological analysis

BREAST CANCER STAGES



stage I stage II stage III stage IV

SYMPTOMS



TREATMENT



mastectomy surgery



radiation therapy

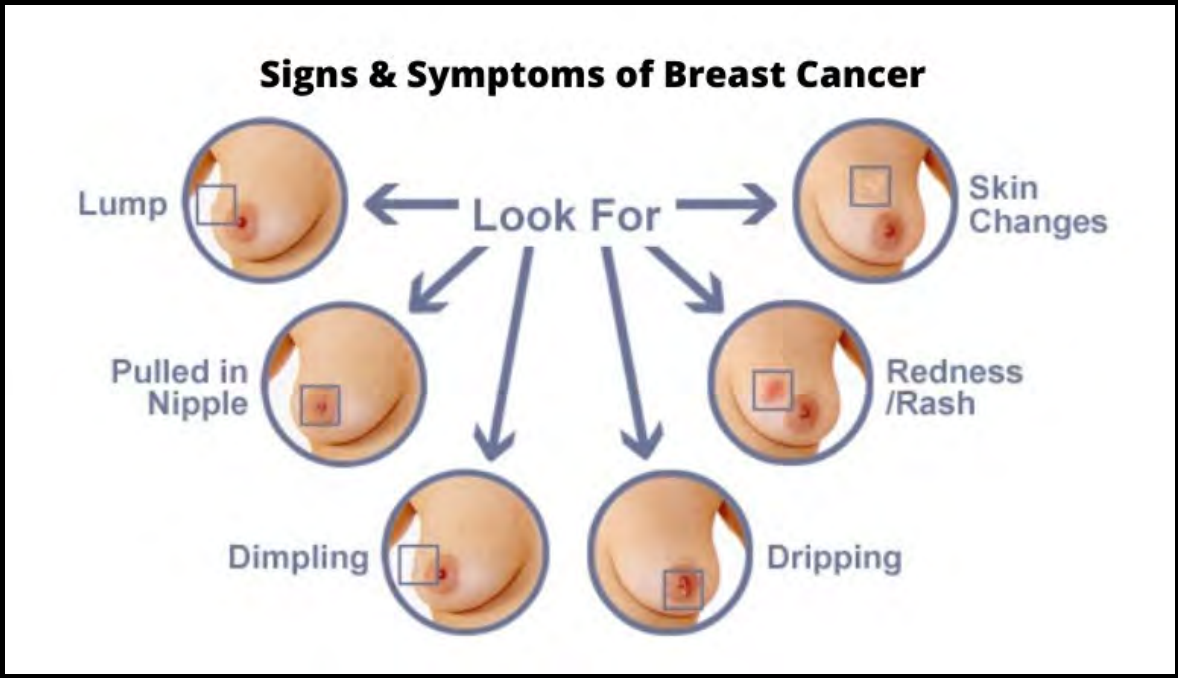


chemotherapy



targeted therapy

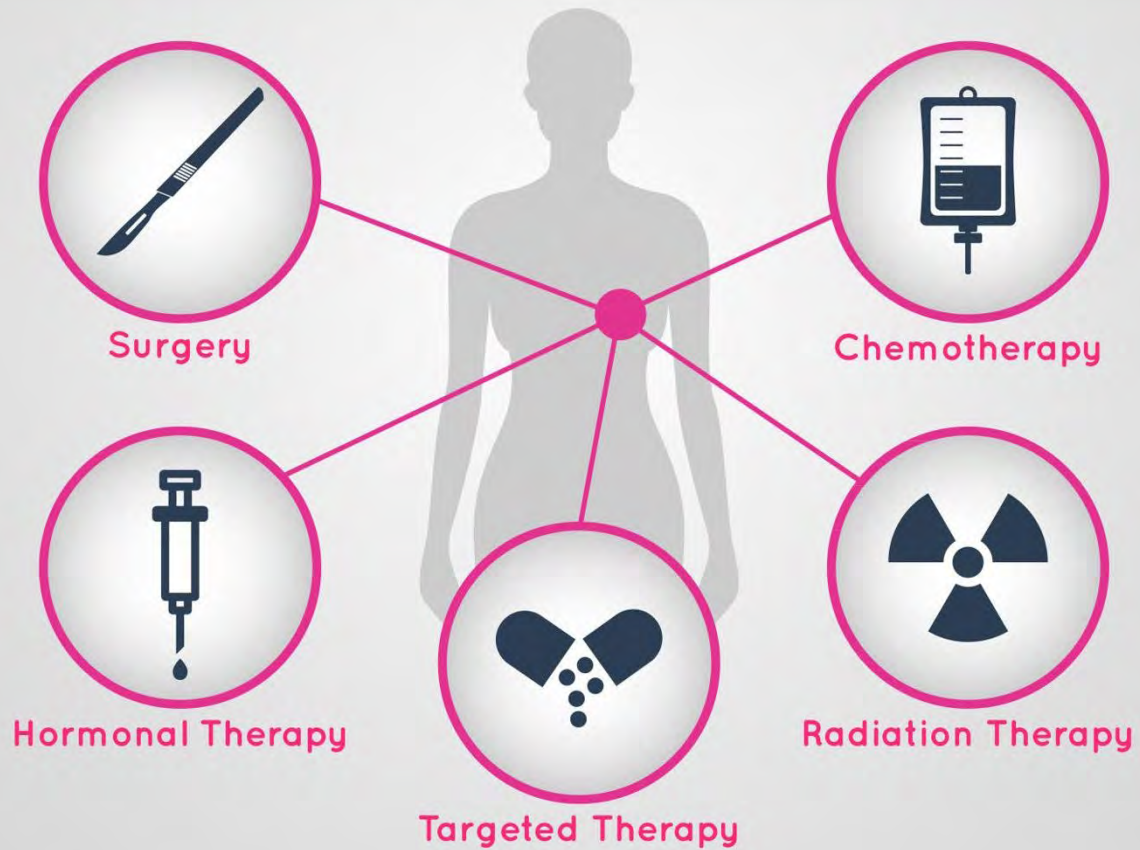
What is breast cancer?



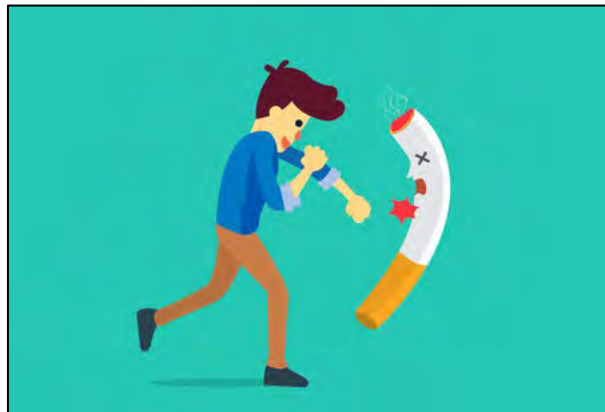
What are some common symptoms of this cancer?

How is breast cancer diagnosed?

Breast Cancer Treatments



What happens after the cancer is found?



Is there a way to prevent this cancer or catch it earlier?

Should I change my diet or take supplements?



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Treatment for Breast Cancer

Doctors & Treatments for Breast Cancer

- Which doctors are involved with patients with this cancer?
- Which types of treatments are offered by each physician?





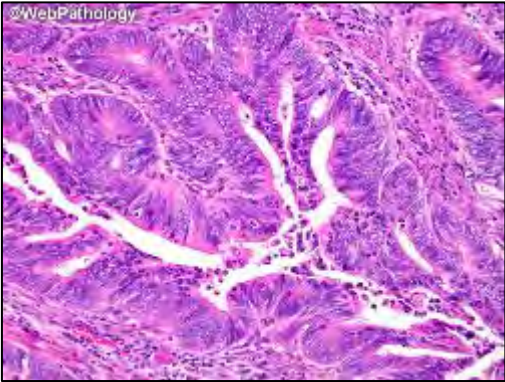
Treatments for Breast Cancer

- How do doctors know which treatment(s) is best for me?
- Which treatment is first?



Treatments

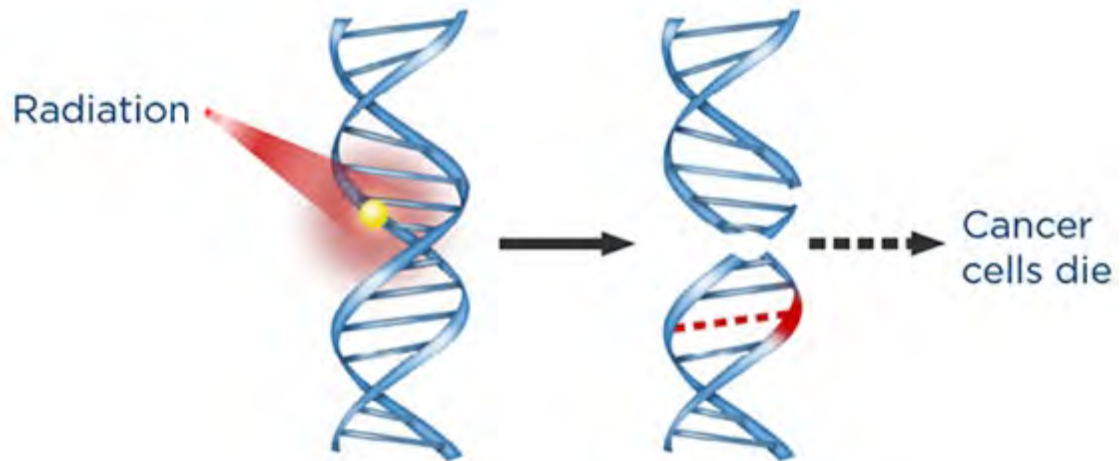
- Does everyone get surgery, radiation, and systemic therapy (Chemo)?

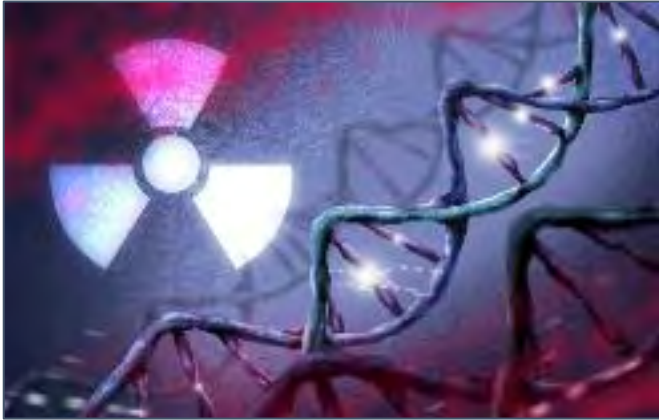




Radiation Therapy

- What is radiation therapy?
- How does radiation therapy work?
- How often is radiation therapy given?
 - Why does it need to be given every day?



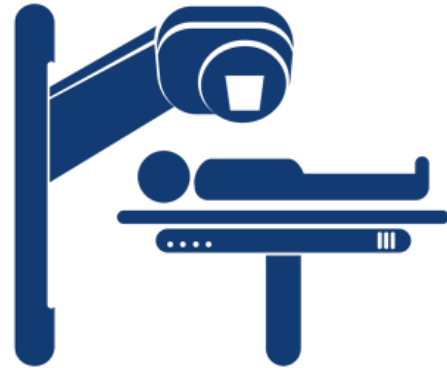


Radiation Therapy

- Does everyone need radiation therapy?
- My doctor said I have the option to skip radiation, what does that mean?

Treatment Options

- Why do some patients get chemotherapy first?
- What if all the cancer is gone after chemotherapy, do I still need surgery and radiation?





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Commonly Asked Questions



General Treatment Questions



- How do we know that the treatment is working?
 - What do we check on the tumor?
- Can radiation be given more than once?



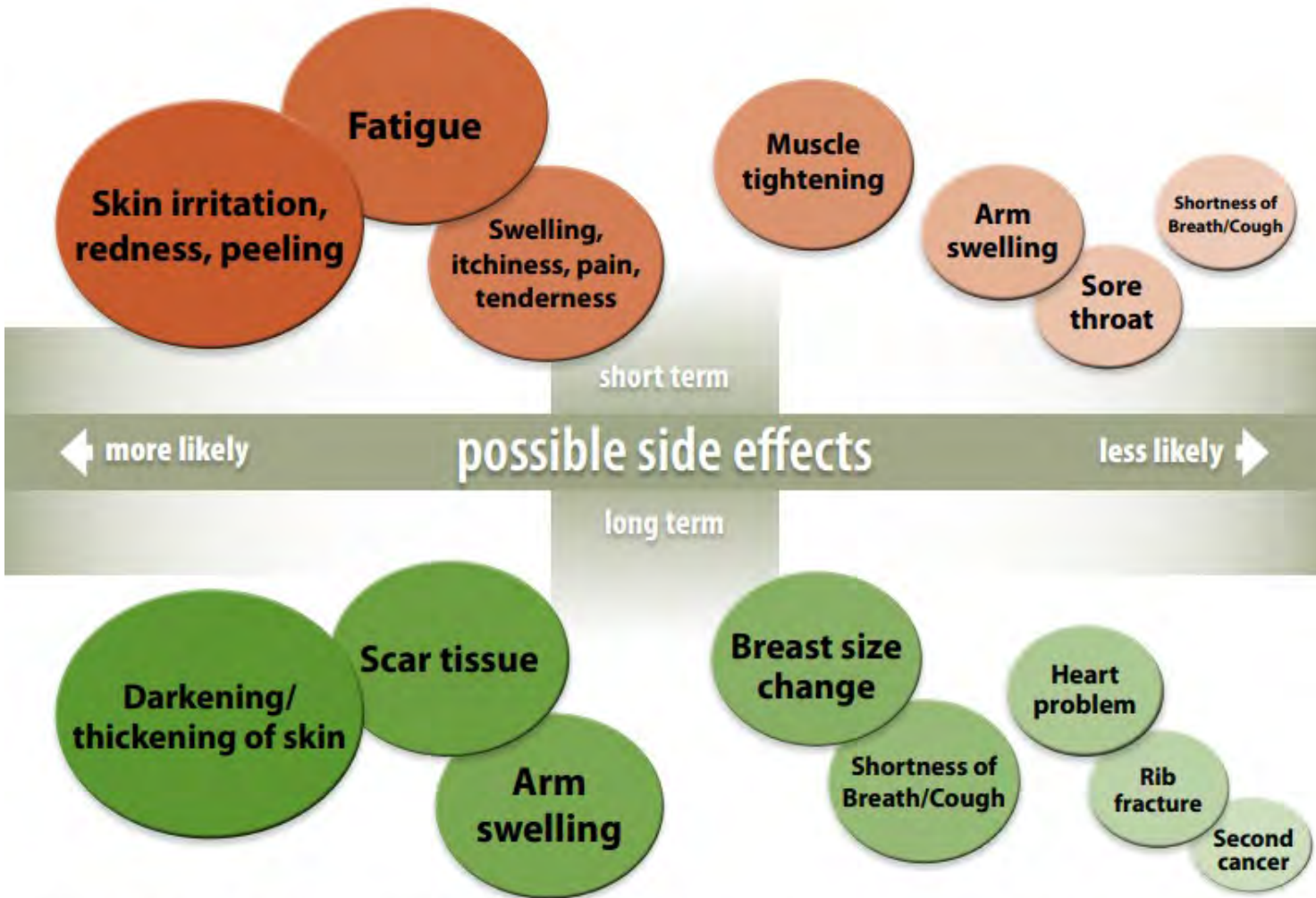
General Treatment Questions



- What treatment options are available if the cancer returns?
 - What if it spreads to other organs?

Side Effects

- What types of short-term side effects can be expected from radiation therapy?
- Are there things that can be done to minimize side effects?
- What long-term side effects are associated with treatment?



*Larger/darker bubbles show higher likelihood of occurrence. Smaller/lighter bubbles show lesser likelihood of occurrence. This list doesn't represent all of the possible side effects. Please talk to your doctors about your specific diagnosis.



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COVID-19



ASTRO Recommendation on COVID-19 Vaccination for Cancer Patients Receiving RT

Cancer patients may have an increased risk of contracting COVID-19 and more severe disease if infected. According to the Centers for Disease Control and Prevention (CDC), "Adults of any age with certain underlying medical conditions are at increased risk for severe illness from the virus that causes COVID-19."

mRNA COVID-19 vaccines may be administered to people with underlying medical conditions provided they have not had a severe or immediate allergic reaction to any of the ingredients in the vaccine." These guidelines also apply to cancer patients.

The mRNA COVID-19 vaccines do not include any virus, and there is no risk of contracting the infection from the vaccine. *(Cont. next slide)*



ASTRO Recommendation on COVID-19 Vaccination for Cancer Patients Receiving RT


Patients who have cancer, as well as those who have received treatment for cancer, may be immune compromised, but these patients may still receive COVID-19 vaccines as long as there is no increased risk of reaction to any of the components of the vaccine.

ASTRO encourages cancer patients who are actively receiving treatment such as radiation therapy to consult with their oncologists about the timing for vaccination, injection location and any unique considerations relevant for their treatments. Individuals with a prior history of cancer who are not in active treatment are encouraged to seek vaccination whenever it is made available to them.


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SELECT A CANCER TYPE 

SEARCH RTANSWERS 

FIND A RADIATION ONCOLOGIST 

City

--- Choose A State --- 

--- Choose A Specialty --- 

ADVANCED SEARCH

SEARCH

24 Radioterapia para El Cáncer de Mama



El cáncer de mama es el tipo de cáncer más común en las mujeres estadounidenses (según la Sociedad Americana de Cáncer, American Cancer Society). Este año, 232,340 mujeres y 2,240 hombres serán diagnosticados con cáncer de mama invasivo, y otras 64,640 serán diagnosticados con cáncer de mama no invasivo (o in situ). En la mayor parte de los casos, el cáncer de mama puede curarse. Alrededor del 80 por ciento de los pacientes con cáncer de mama viven al menos 10 años después del diagnóstico.

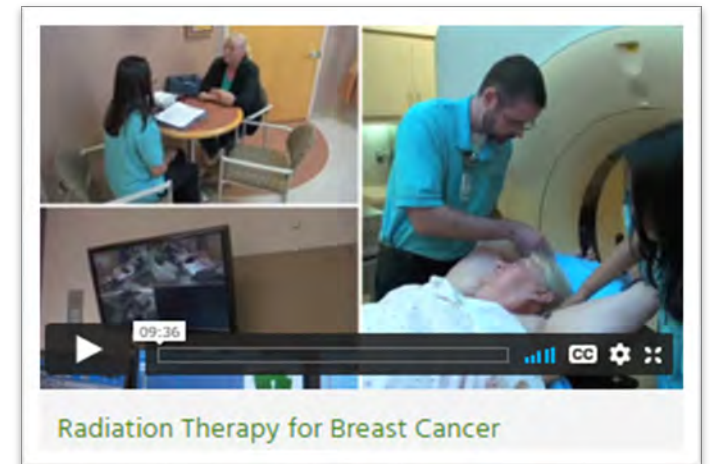
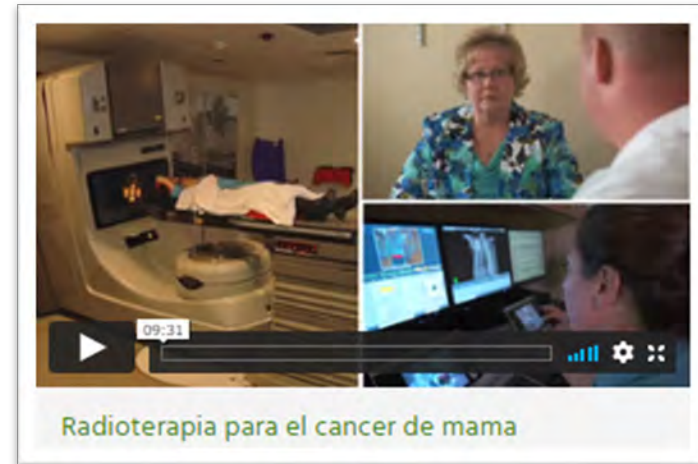
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TARGETING CANCER CARE

Radiation Therapy for Breast Cancer



Breast cancer is the most common type of cancer in American women, according to the American Cancer Society. This year, 268,600 women and 2,670 men will learn they have breast cancer. Another 62,930 women will learn they have noninvasive (also called in situ) breast cancer. Breast cancer can often be cured. About 80 percent of all patients with breast cancer live at least 10 years after their diagnosis.

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Jean Larkin - Breast Cancer Survivor

When my doctor told me I had cancer, I was shocked and terrified to the point of paralysis. I was only 66 at the time, and up to that point, I had lived a healthy life. My husband and I were enjoying an active lifestyle in retirement, working out, traveling, and watching our grandkids grow up.

And then, out of the blue, a routine mammogram revealed that I had breast cancer—putting all that at risk. I hadn't even experienced any symptoms. And to make the emotional impact even harder, my best friend was battling cancer at that time...a battle she lost, sadly.

Hearing the word *cancer* in the same sentence with my own name was just shocking. Honestly, I was numb with a strong fear of the unknown while I also tried to stay positive.



Breast Cancer

Cassie Fedyshyn: Breast Cancer

Year Diagnosed: 2016 | Hometown: Auburn, New York

Theresa Keresztes: Breast Cancer

Year Diagnosed: 2007 | Hometown: Wellesley, Massachusetts

Jean Larkin: Breast Cancer

Year Diagnosed: 2016 | Hometown: Warwick, Rhode Island

Margaret Werts: Breast Cancer

Year Diagnosed: 2012 | Hometown: Pittsburgh

More Stories

Patients and caregivers have shared stories of their experience with cancer in order to help other. Read the stories below or [share your story](#).

Bladder Cancer

Breast Cancer

Caregiver

Colon Cancer

Head and Neck Cancer

Lung Cancer

Pancreatic Cancer

Prostate Cancer

Sarcoma

Skin Cancer









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 17:35 An Introduction to Radiation Therapy 115K views • 4 years ago	 9:36 Radiation Therapy for Breast Cancer 52K views • 4 years ago	 9:50 Radioterapia para El Cáncer de próstata 5.9K views • 5 months ago
 4:00 Questions to Ask During Radiation Therapy 2K views • 9 years ago	 9:57 Radiation Therapy for Prostate Cancer 1.7K views • 4 years ago	 11:54 Radioterapia para cancer cerebral 1.2K views • 5 months ago



ASTRO Ask a Radiation Oncologist: Radiation Therapy for Gastrointestinal (GI) Cancers **RTAnswers**

RT Answers YouTube Live Event: May 24, 6 pm ET/3 pm PT

 Jessica Li, MD Medical Director, Radiation Therapy University of Michigan	 Alexandra Park, MD, PhD The James Cancer Hospital The Ohio State University	 Chloé Stankovic, MD Northwell Health	 Praveen Dhanraj, MD, MS Walter E. Davis
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For more information, visit RTAnswers.org

Ask a Radiation Oncologist: Radiation Therapy for...

ASTRO Ask a Radiation Oncologist: Radiation Therapy for Brain/Spine Cancers **RTAnswers**

RT Answers Facebook Live Event: March 23, 6 pm ET/3 pm PT

 Amber Adams, MD, PhD Ohio State University Cancer Center (Medicine)	 Lisa M. Hickey, MD University of Washington/Seattle Cancer Care Center	 Margaret Brinkman, MD Waggoner	 Susan Shinn, MD, PhD Northwell Health Cancer Center
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Ask a Radiation Oncologist: Radiation Therapy for...

ASTRO Ask a Radiation Oncologist: Radiation Therapy for Cervical Cancers **RTAnswers**

RT Answers Facebook Live Event: January 28, 7:30 pm ET/4:30 pm PT

 Jennifer Hahn, MD Oregon Health & Science University (Medicine)	 Ann Wang, MD, PhD MD Anderson Cancer Center	 Scott Cunningham, MD Loyola University Medical Center	 Paul Higgins, MD UC San Diego Health
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Thank you.



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