

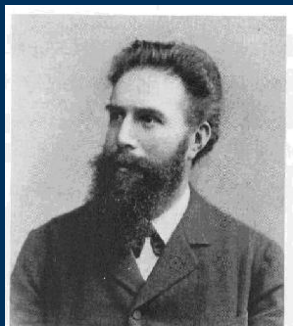
Giornata internazionale della radiologia (IDoR 2025)

Radiologists & Radiographers Supporting Patients

INTERNATIONAL
DAY OF
RADIOLOGY

November 8, 2025

Let's celebrate together
#IDOR2025



1845 - 1923

Gemelli



Marino Gentile – Ada Guidi

Formazione
per l'eccellenza

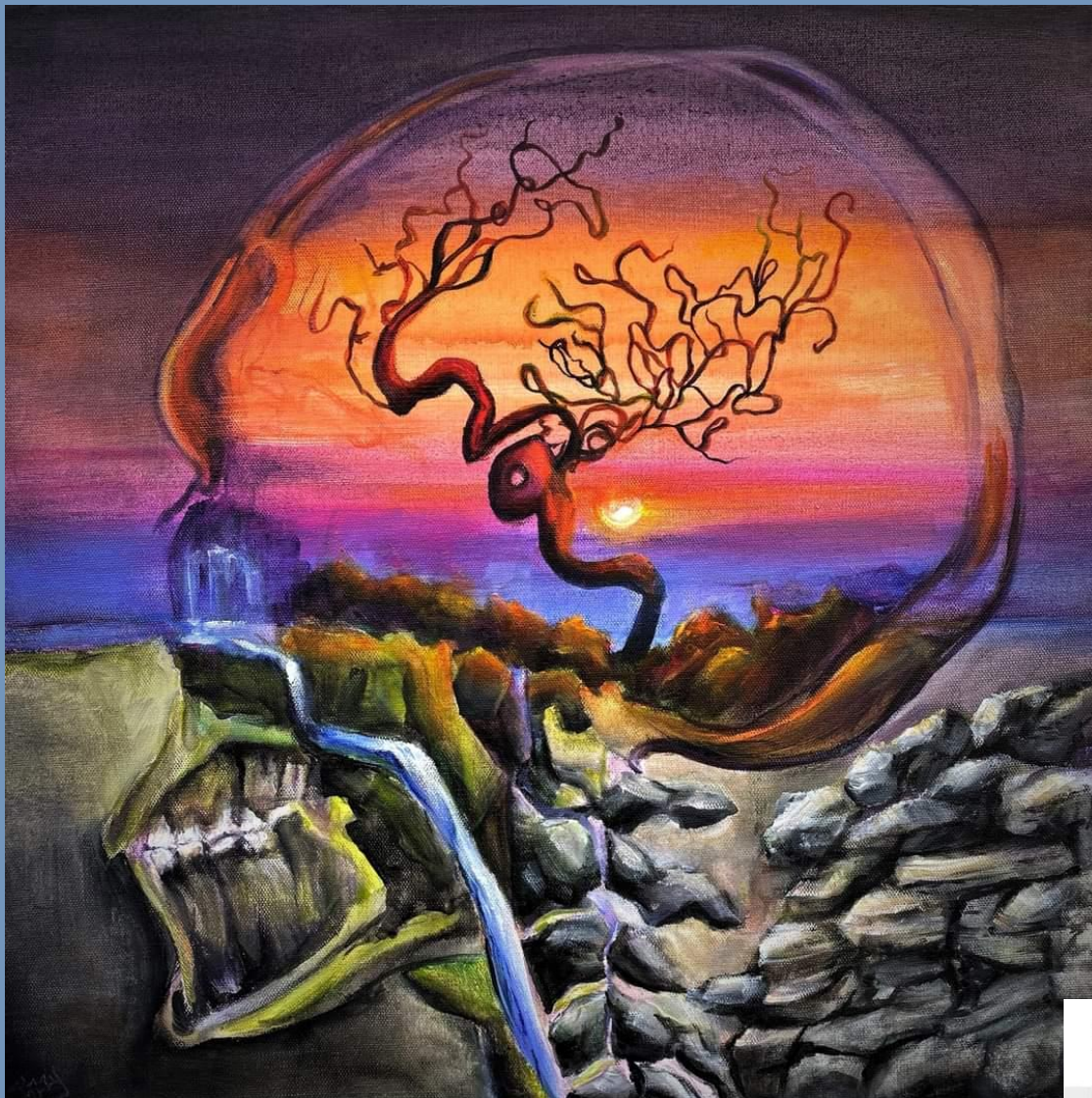
nov. '25

Ver. 1.1



Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore





Sella Turcica Sunset

Journal of the American Society of Radiologic Technologists

Volume 95, Number 1 • September/October 2023

RADIOLOGIC

T E C H N O L O G Y

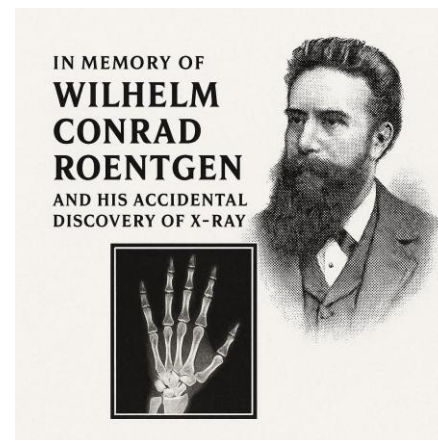
GIORNATA MONDIALE DELLA RADIOLOGIA



1845 - 1923

L'8 novembre 1895 (130 anni fa) il fisico tedesco **Wilhelm Conrad Röntgen** scoprì per caso l'esistenza dei raggi X.

Questa giornata può essere considerata il **compleanno dei raggi X**.



8 novembre 2025



<https://museum.aapm.org/>



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- | | | | | |
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| 01 Roentgen: Discovery and Research | 06 Mammography | 12 External Beam Radiotherapy | 16 Instrumentation, Devices and Artifacts | 19 Video Interviews of Prominent Medical Physicists |
| 02 Pioneers In The Field
<small>COMING SOON</small> | 07 CT | 13 Treatment Planning and the Development of Modern External Beam Radiotherapy | 17 History of AAPM | 20 Publications of AAPM and AAPM Members
<small>COMING SOON</small> |
| 03 Companies Instrumental In Developing Technology | 08 Ultrasound
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<small>COMING SOON</small> |
| 05 Fluoroscopy | 10 Nuclear Medicine
<small>COMING SOON</small> | | | |
| | 11 Health Physics
<small>COMING SOON</small> | | | |



<https://museum.aapm.org/exhibit/01-roentgen-discovery-and-research/>

01 | ROENTGEN: DISCOVERY AND RESEARCH

A Virtual Visit
With
Professor Wilhelm Roentgen
at the Time of His
Discovery and Extensive Research
on a
“New Kind of Rays”



INTERNATIONAL DAY OF RADIOLOGY 2025

Radiologists & Radiographers Supporting Patients

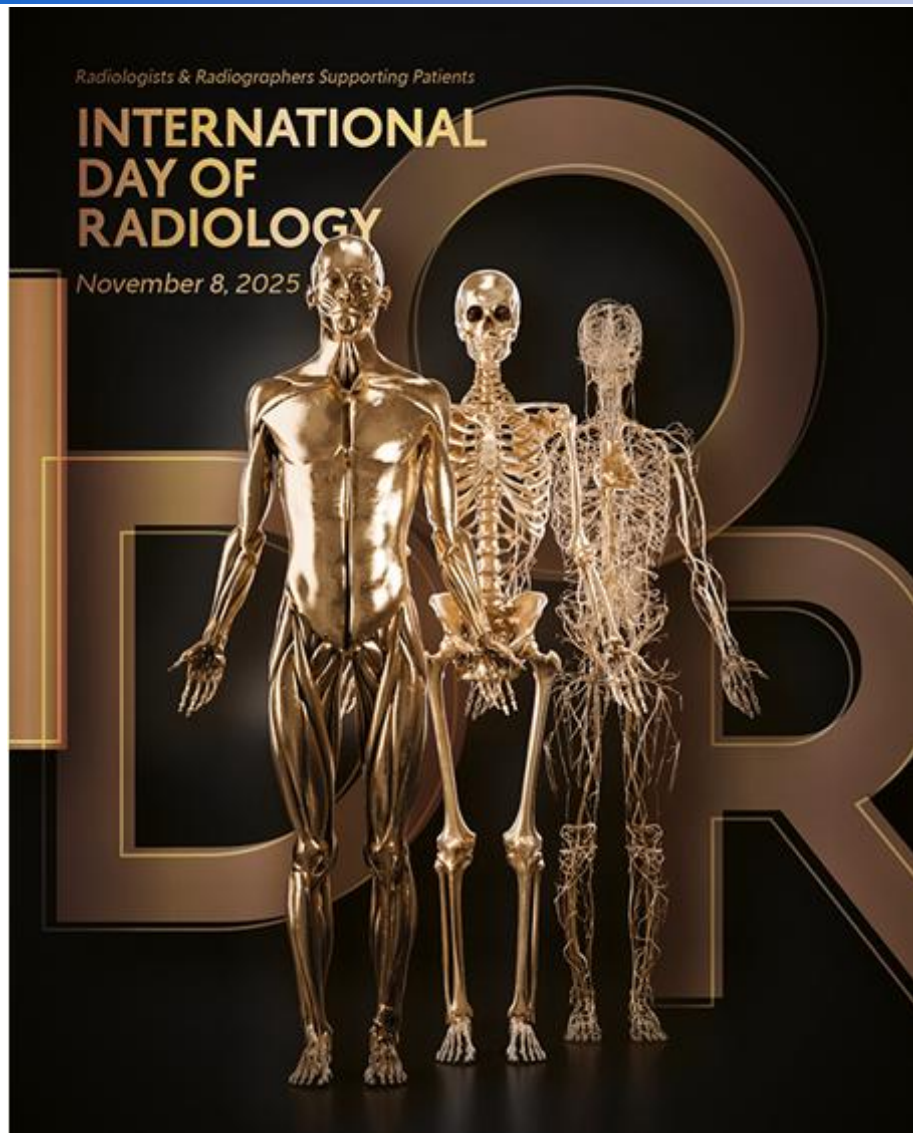
INTERNATIONAL DAY OF RADIOLOGY

November 8, 2025

Let's celebrate together
#IDOR2025



<https://www.internationaldayofradiology.com/>

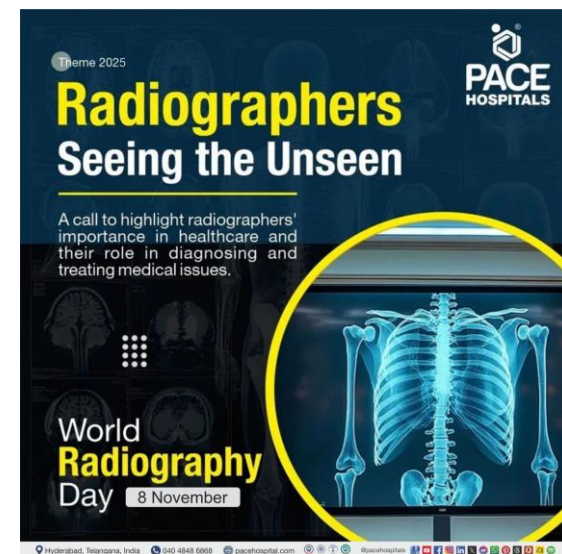


<https://www.internationaldayofradiology.com/>



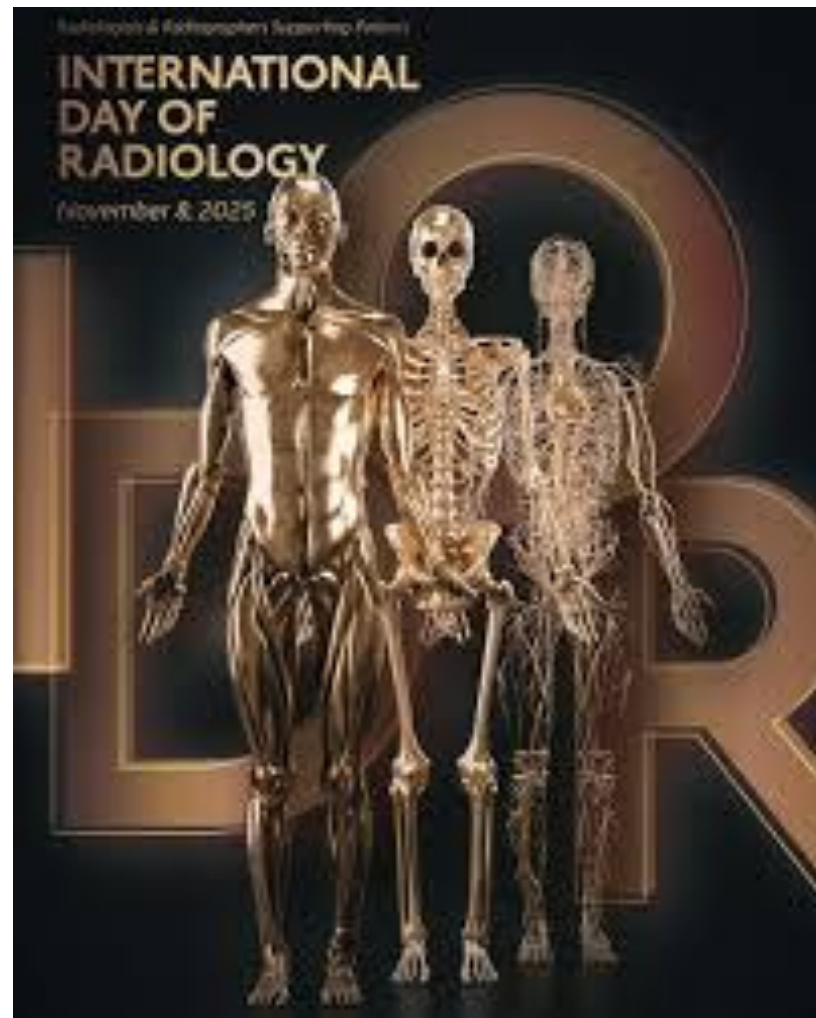
World Radiography Day 2024-5 Theme is
"Radiographers: Seeing the Unseen."

This theme emphasises the essential role that radiographers play in healthcare by demonstrating their skill in using imaging technologies to accurately diagnose and treat various medical conditions.



<https://nationaltoday.com/international-day-of-radiology/>

L'8 novembre, i professionisti dell'imaging di tutto il mondo celebreranno la 15^a Giornata internazionale della radiologia (IDoR 2025). Incoraggiamo tutti i tecnici radiologi, gli infermieri, i radiologi, gli operatori sanitari, e tutti i professionisti che lavorano in ambito radiologico, a unirsi in questa giornata per riconoscere e promuovere il ruolo essenziale che la radiologia svolge nel percorso del paziente.



Riconosciamo il ruolo fondamentale svolto dalla radiologia per garantire una diagnosi precoce, un minor numero di interventi chirurgici e migliori risultati del trattamento per i pazienti. L'8 novembre, cogliamo l'occasione per promuovere questi valori tra i nostri colleghi del settore sanitario e il pubblico in generale.



8 novembre 2025

Discovering the Inside Story:

INNOVATIONS IN MEDICAL IMAGING AND RADIATION THERAPY

This National Radiologic Technology Week*, travel back in time and relive the history of the radiologic technology profession and the American Society of Radiologic Technologists through ASRT Museum and Archives exhibits.



Wilhelm Conrad Roentgen

1895
German physicist Wilhelm Conrad Roentgen discovers the x-ray and within a year it is hailed as a medical miracle.

1896
First clinical use of x-rays by physicians.

1903
First use of radiation to treat cancer.

1904
Thomas Edison's assistant C.M. Dally dies of radiation exposure; called "a martyr to science."

1913
Known for his many contributions to x-ray technology, William Coolidge invents the heated cathode x-ray tube, enabling external beam radiotherapy.

1914
Marie Curie designs vehicles to carry x-ray equipment to the battlefield in World War I.

1920
American Association of Radiological Technicians established; known today as the American Society of Radiologic Technologists.

1927
Thirty-seven percent of all radiologic technologists are nuns.

1941
The U.S. military trains thousands of servicemen as radiographers to provide care for wounded soldiers overseas during World War II.

1950s
Radiographers take chest x-rays using mobile x-ray units to screen for tuberculosis.

1964
Radiation therapy becomes a specialized field.

1971
First CT scan.

1977
Drs. Raymond V. Damadian, Lawrence Minkoff and Michael Goldsmith's MRI scanner makes the first-ever MR image.

1983
ASRT opens new national office in Albuquerque, New Mexico.

1979
Allan Cormack and Godfrey Hounsfield awarded Nobel Prize in Medicine for invention of computed tomography.

asrt Museum and Archives

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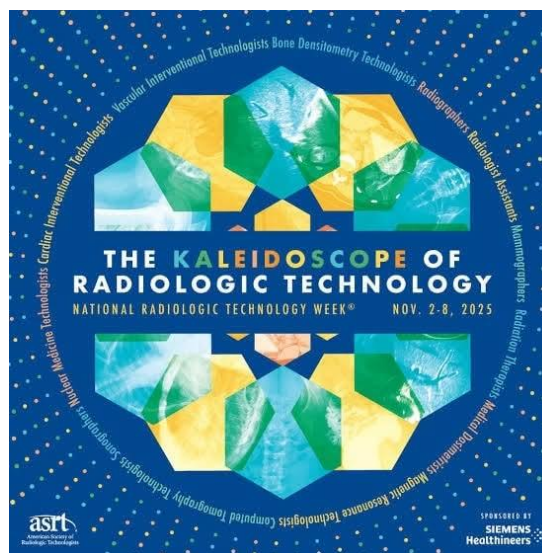
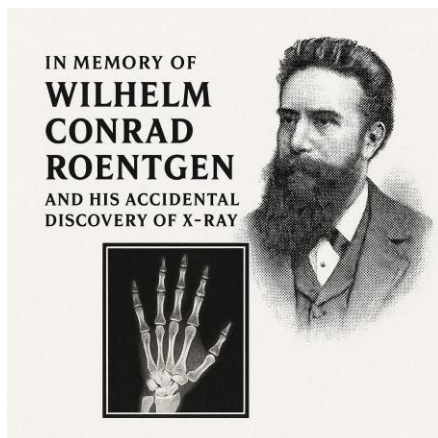
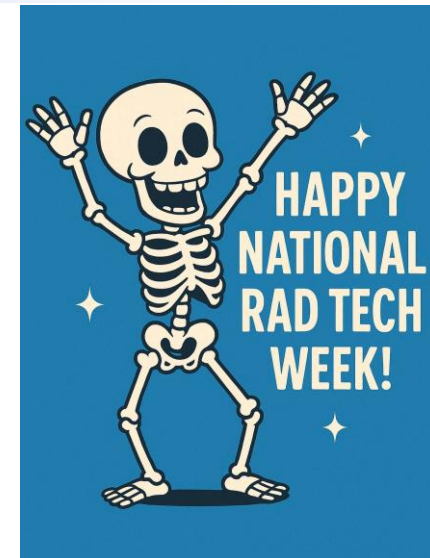
La giornata è un'iniziativa congiunta della *European Society of Radiology* (ESR), della *Radiological Society of North America* (RSNA) e dell'*American College of Radiology* (ACR), con la piena collaborazione e il coinvolgimento della *International Society of Radiology* (ISR), così come organizzazioni ombrello in tutti i continenti, tra cui l'*Asian Oceanian Society of Radiology* (AOSR), il *Colegio Interamericano de Radiología* (CIR), il *Royal Australian and New Zealand College of Radiologists* (RANZCR) e la *Radiological Society of South Africa* (RSSA – che rappresenta anche i paesi limitrofi).



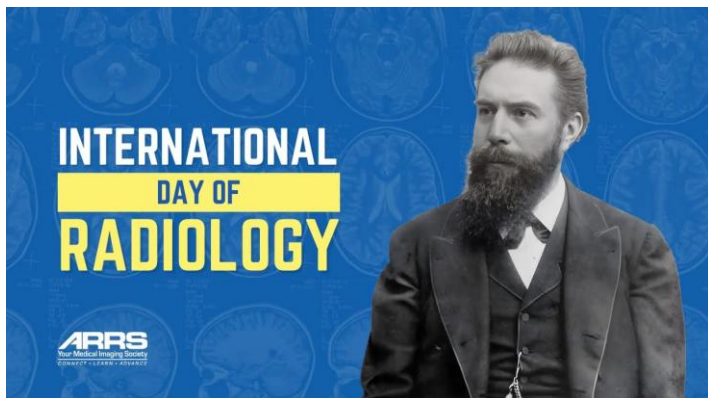
Anche la *European Federation of Radiographer Societies* (EFRS) e la *International Society of Radiographers & Radiological Technologists* (ISRRT) sostengono la Giornata internazionale della radiologia.



8 novembre 2025



8 novembre 2025



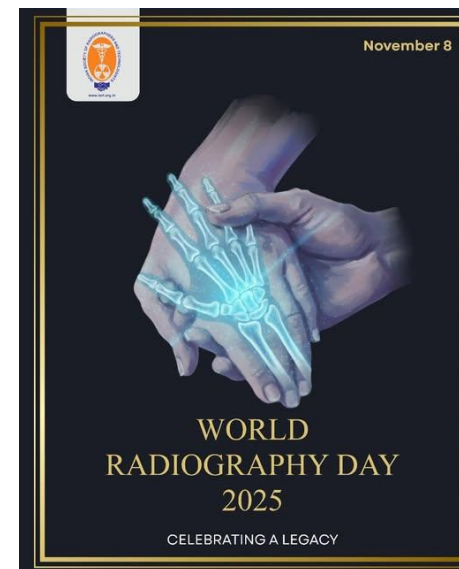
World Radiography Day 8 November

World Radiography Day is a global healthcare awareness event observed on the **8th of November** every year to increase public awareness with respect to the vital role of diagnostic imaging, radiation therapy and radiographer play in healthcare management.



PACE
HOSPITALS

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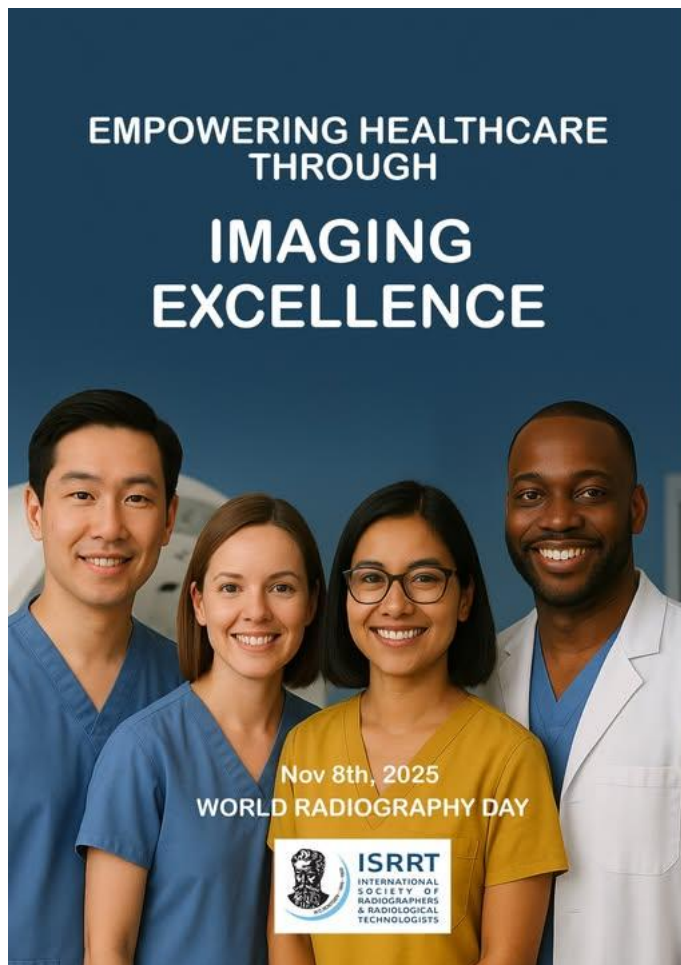


Gemelli



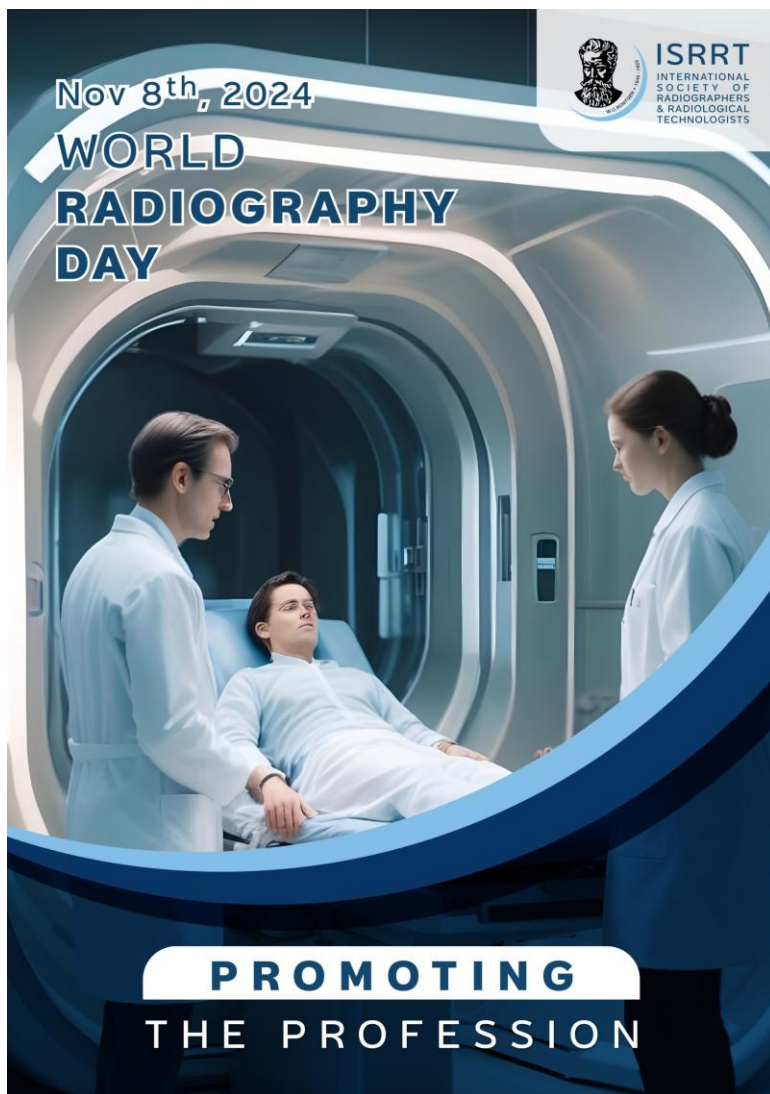
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<https://www.isrirt.org/communication/world-radiography-day/>

<https://www.isrirt.org/posters>



<https://www.isrirt.org/communication/world-radiography-day/>

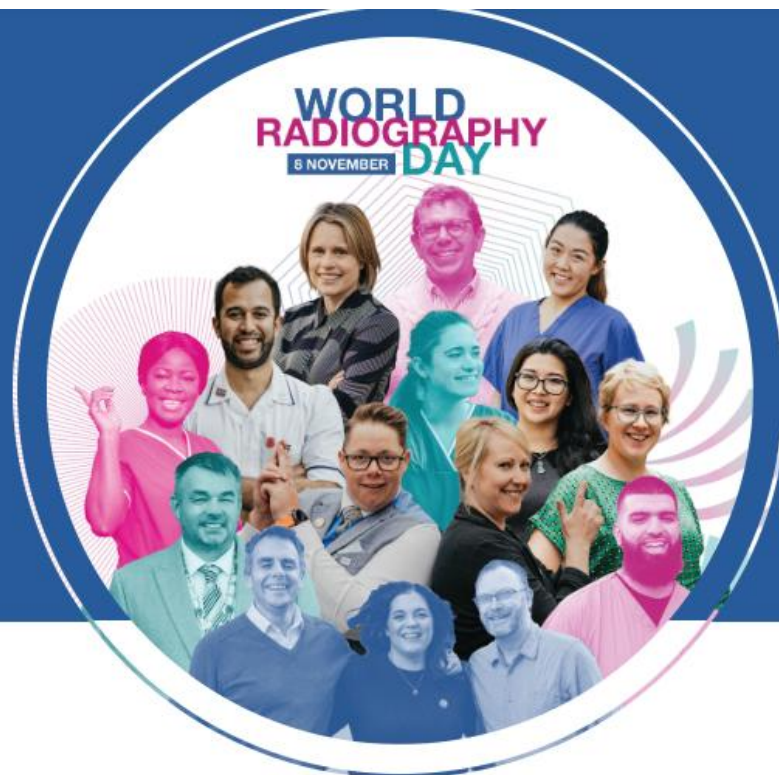
<https://www.isrirt.org/posters>

<https://www.sor.org/about/about-radiography/world-radiography-day#World-Radiography-Day>

World Radiography Day

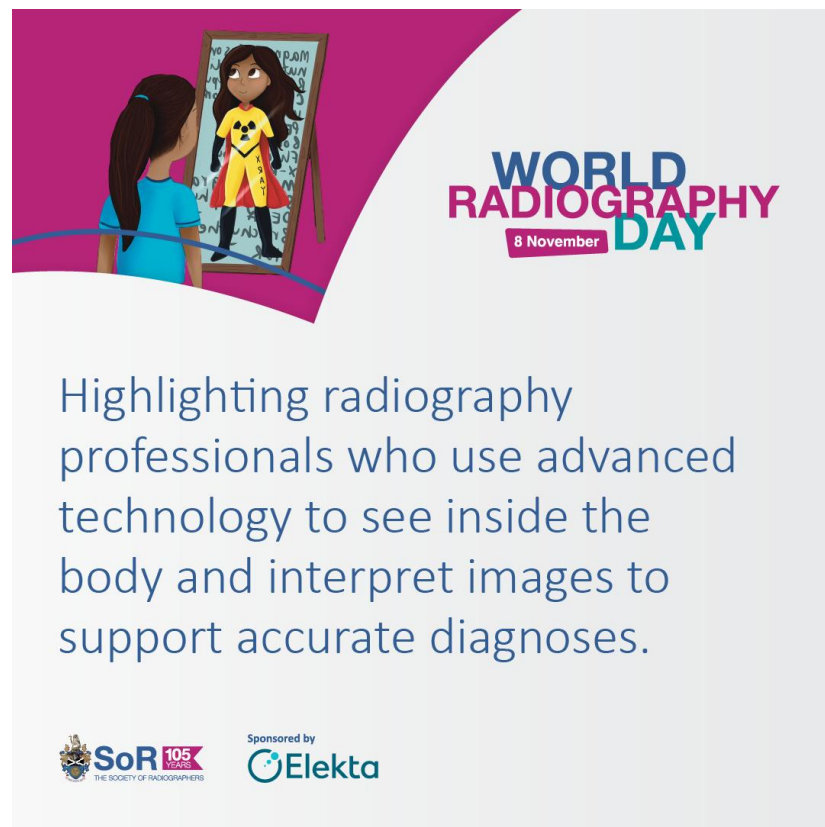
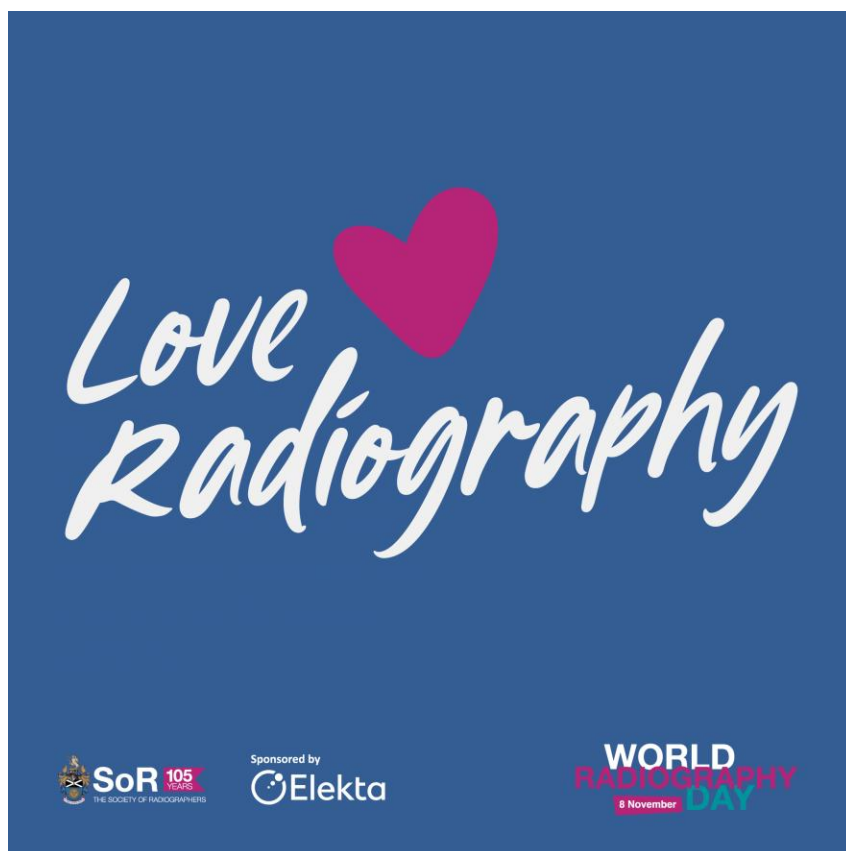
Our thank you to radiography professionals and support workers across the globe

Love Radiography | 30-second challenge



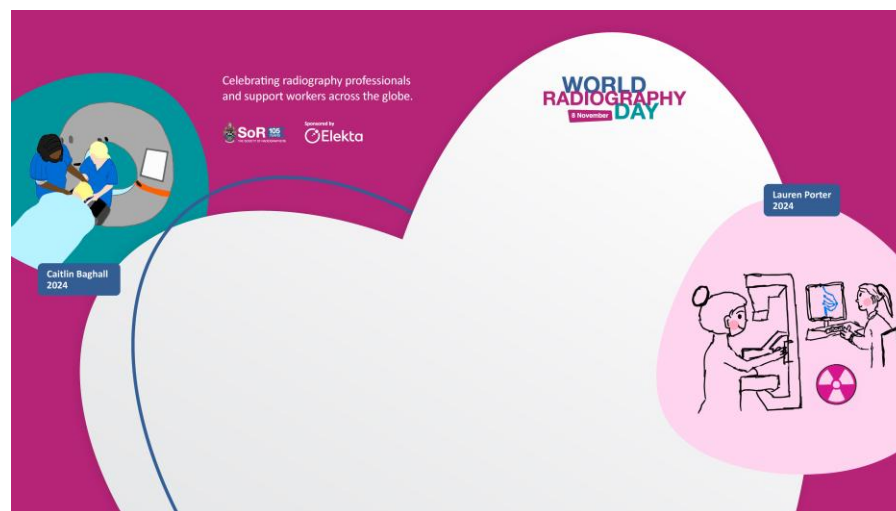
World Radiography Day (WRD) is celebrated on 8 November each year. The date marks the anniversary of the discovery of x-radiation by Wilhelm Roentgen in 1895.

<https://www.sor.org/about/about-radiography/world-radiography-day#World-Radiography-Day>

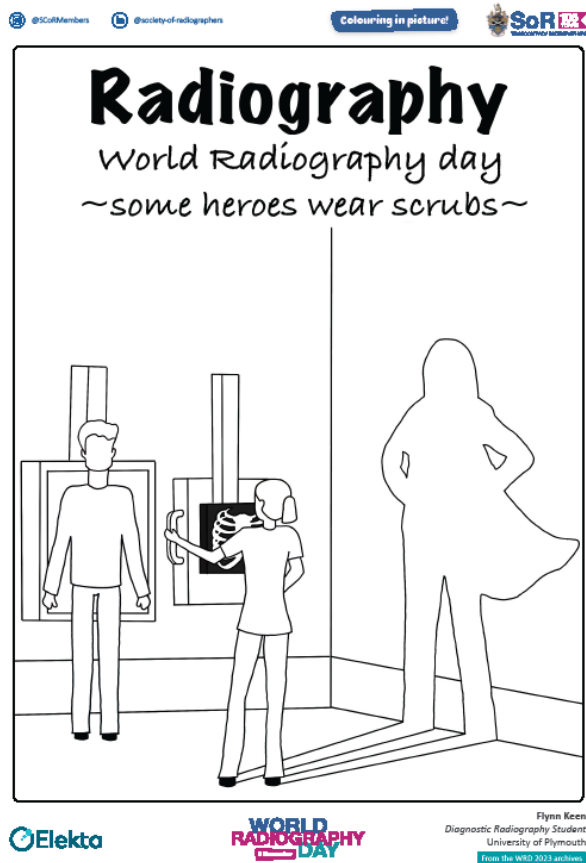


Highlighting radiography professionals who use advanced technology to see inside the body and interpret images to support accurate diagnoses.

<https://www.sor.org/about/about-radiography/world-radiography-day#World-Radiography-Day>



<https://www.sor.org/about/about-radiography/world-radiography-day#World-Radiography-Day>



RADIOGRAPHERS

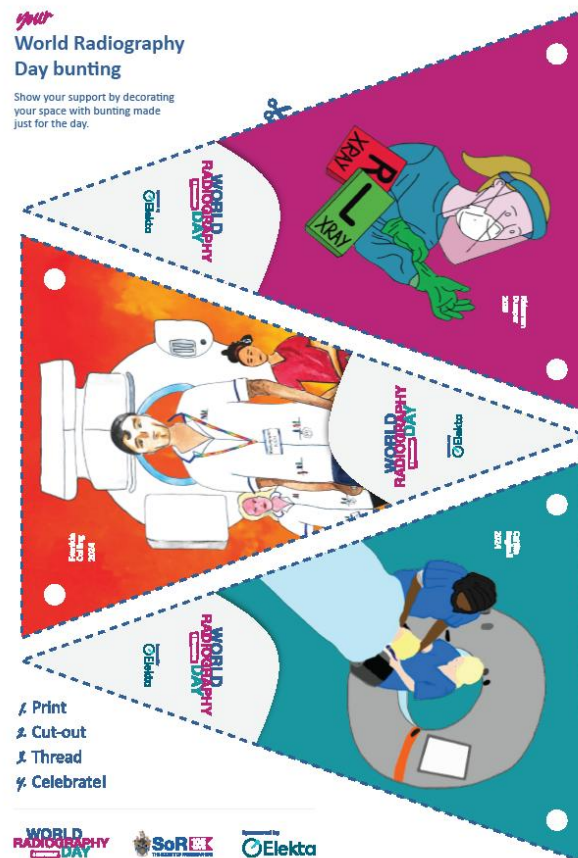
X-RAY • COMPUTED TOMOGRAPHY • NUCLEAR MEDICINE • SONOGRAPHY • FLUOROSCOPY
INTERVENTIONAL RADIOLOGY • RADIOTHERAPY • RESEARCH • MAGNETIC RESONANCE IMAGING



Emily James
Diagnostic Radiographer
Great Ormond Street Hospital
From the WRD 2020 archive

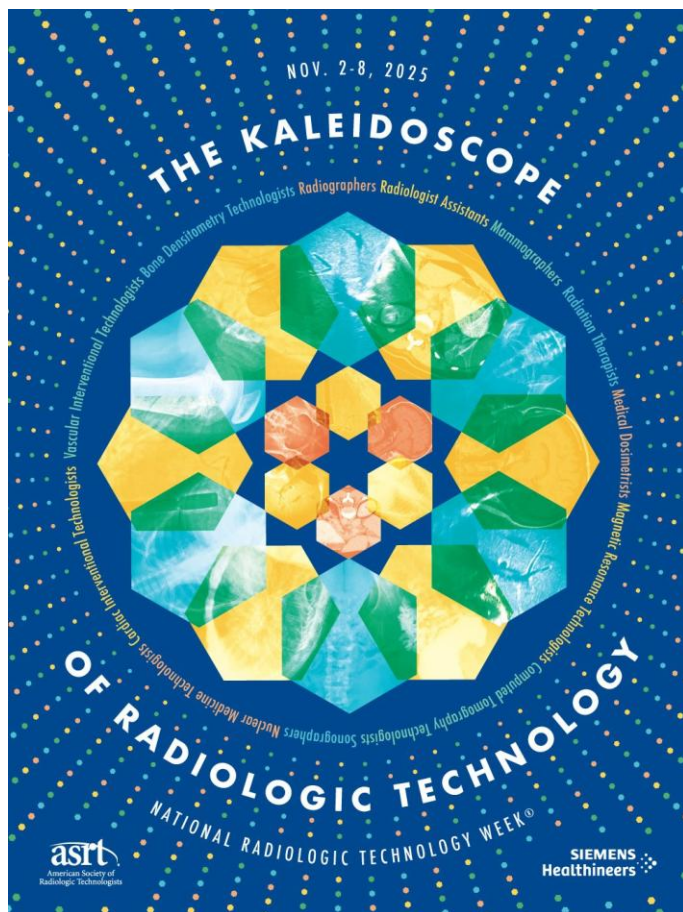
World Radiography Day bunting

Show your support by decorating your space with bunting made just for the day.



- 1. Print
- 2. Cut-out
- 3. Thread
- 4. Celebrate!





Radiologic Technologist

ra-di-o-log-ic tech-nol-o-gist
(rā'dē-ō-lōj'ik tek-nol'ō-jist)

the medical personnel who perform diagnostic imaging examinations and administer radiation therapy treatments

Education



2 YEARS
Combination
Certificate/Associate
Degree Program



4 YEARS
Bachelor's
Degree Program

PASS
National Certification Exam

+
Earn **24** continuing education
credits every **2 years**



R.T.

<https://www.asrt.org/events-and-conferences/nrtw>

8 novembre 2025

Who's Taking My X-Ray?

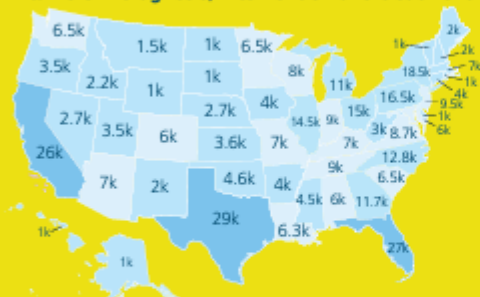
When you're scheduled for a medical imaging examination or radiation therapy treatment, the person who performs your examination, assists with your intervention or delivers your treatment is called a radiologic technologist. They are health care professionals who play a vital role in diagnosis, intervention and treatment.

Registered radiologic technologists, R.T.s, are educated in anatomy, patient positioning, examination techniques, equipment protocols, radiation safety, radiation protection and patient care.

356,670

Registered radiologic technologists
23,320 hold radiation therapy credentials

Source: September 2024 American Registry of Radiologic Technologists Census



American Society of Radiologic Technologists



Where Medical Imaging Staff Work



Hospital: 53%

(39.3% nonprofit)



Imaging Center: 13.7%



Physician's Office: 9.6%



Large Clinic: 7.6%



Small Clinic: 4.9%



Education: 4.1%



Mobile Unit: 1.4%



Corporate: 1%



Other: 4.7%

Source: ASRT Radiologic Sciences Workplace and Staffing Survey, 2022

Technology/Practice Areas

(R) Radiography

(X-ray) Produces images of anatomy to detect bone fractures, find foreign objects and show the relationship between bone and soft tissue.

(CT) Computed Tomography

(CT scan) Obtains "slices" of anatomy at different levels of the body so physicians can view what's happening inside organs.

(T) Radiation Therapy

Administration of targeted doses of radiation to the patient's body to treat cancer or other diseases.

(N) Nuclear Medicine

Radiopharmaceuticals in the body emit gamma rays that provide functional information about organs, tissues and bone.

(CI) Cardiac Interventional Radiography

Fluoroscopic procedures specifically targeted for diagnosis and treatment of cardiac diseases.

(VI) Vascular Interventional Radiography

Fluoroscopic procedures specifically targeted for catheter placement and the diagnosis and treatment of vascular diseases.

(M) Mammography

Produces images of breast tissue to diagnose and rule out breast disease.

(MR) Magnetic Resonance

Creates detailed images of anatomy by exposing atoms in the patient's body to a strong magnetic field.

(QM) Quality Management

Monitors the quality of processes and systems in the radiology department.

(S) Sonography

(Ultrasound) Uses sound waves to obtain images of organs and tissues in the body.

(BD) Bone Densitometry

Measures bone mineral density to diagnose and rule out osteoporosis.

(CMD) Medical Dosimetry

Radiation dose is calculated and generated for distribution treatment plans, determined by the patient's oncologist.

Strange Appearances...

Foreign bodies are frequently encountered in medical images and can range from intentionally placed objects, such as medical devices and surgical hardware, to debris from accidents and injuries and a wide variety of swallowed items.



Radiologist Assistant

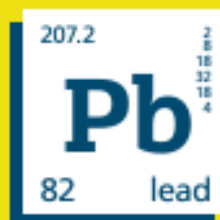
Radiologist assistants are experienced R.T.s who have obtained additional education and certification that qualifies them to serve as radiologist extenders. They work under the supervision of a radiologist to help improve productivity and efficiency.

Now!

Advanced Practice Radiation Therapist

A developing career pathway is the advanced practice radiation therapist. They are experienced radiation therapists who perform clinical and patient care responsibilities, while also receiving training and specialization in additional areas of practice under the guidance of a radiation oncologist as part of the task-sharing radiation oncology team.

A Little Lead Goes a Long Way...



On average, x-ray room walls have lead lining that is 1/16 inch thick. That's many times thinner than the iPhone 16. The lead-plate walls stop radiation in its tracks.

Lead Sheet

1.58 mm

iPhone 16

7.87 mm

8 novembre 2025

THE GOLDEN RULE

ALARA

As Low As Reasonably Achievable

The practice to make every reasonable effort to minimize patient and personal radiation exposure by adjusting time, distance and shielding during a procedure.

Dosimetry Badge

Contains storage phosphors that are sensitive to ionizing radiation and are used for monitoring radiation exposure to R.T.s.



asrt.org

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The ASRT is the largest radiologic science association in the world. Its mission is to advance and elevate the medical imaging and radiation therapy profession and to enhance the quality and safety of patient care.

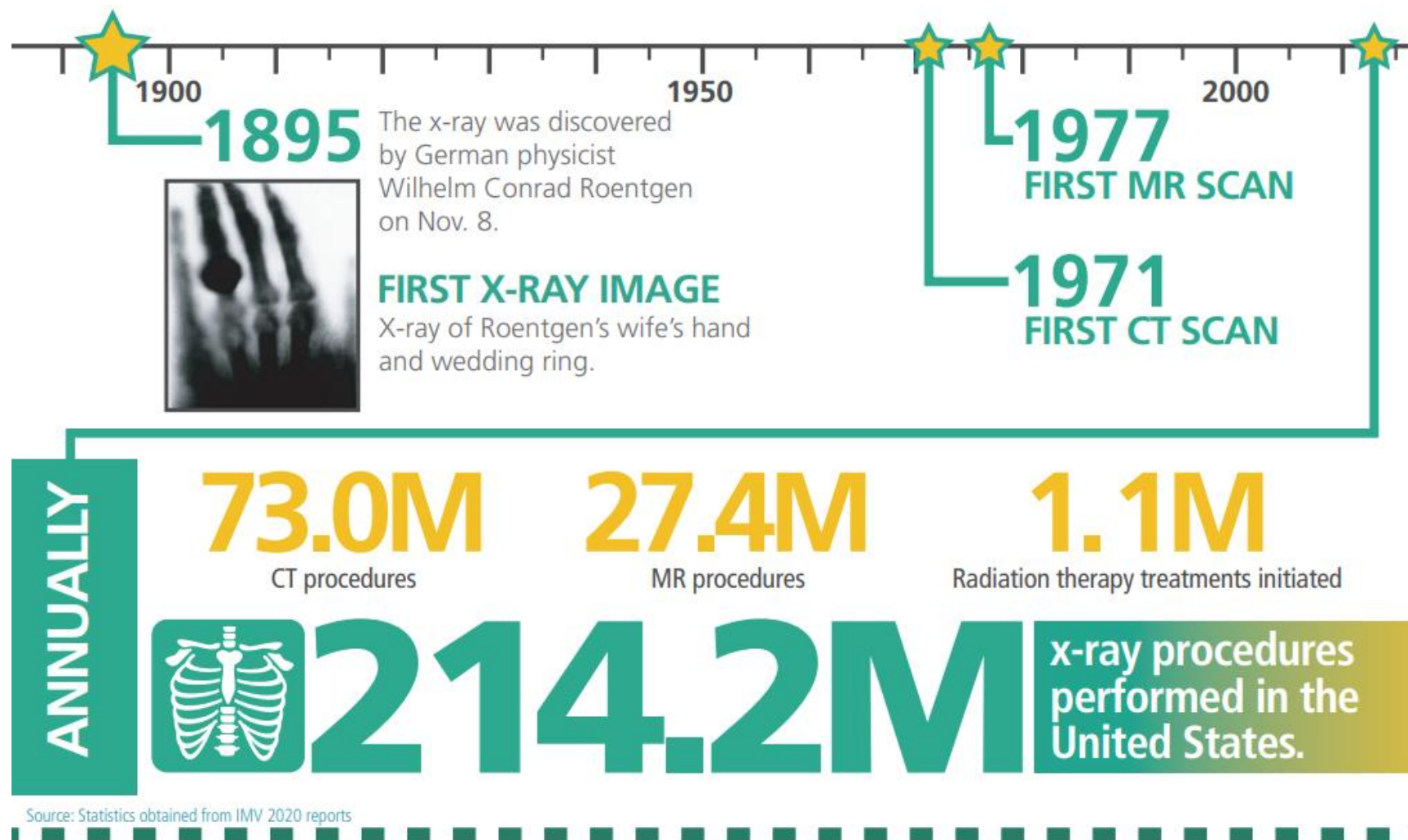
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Radiologic Technologists

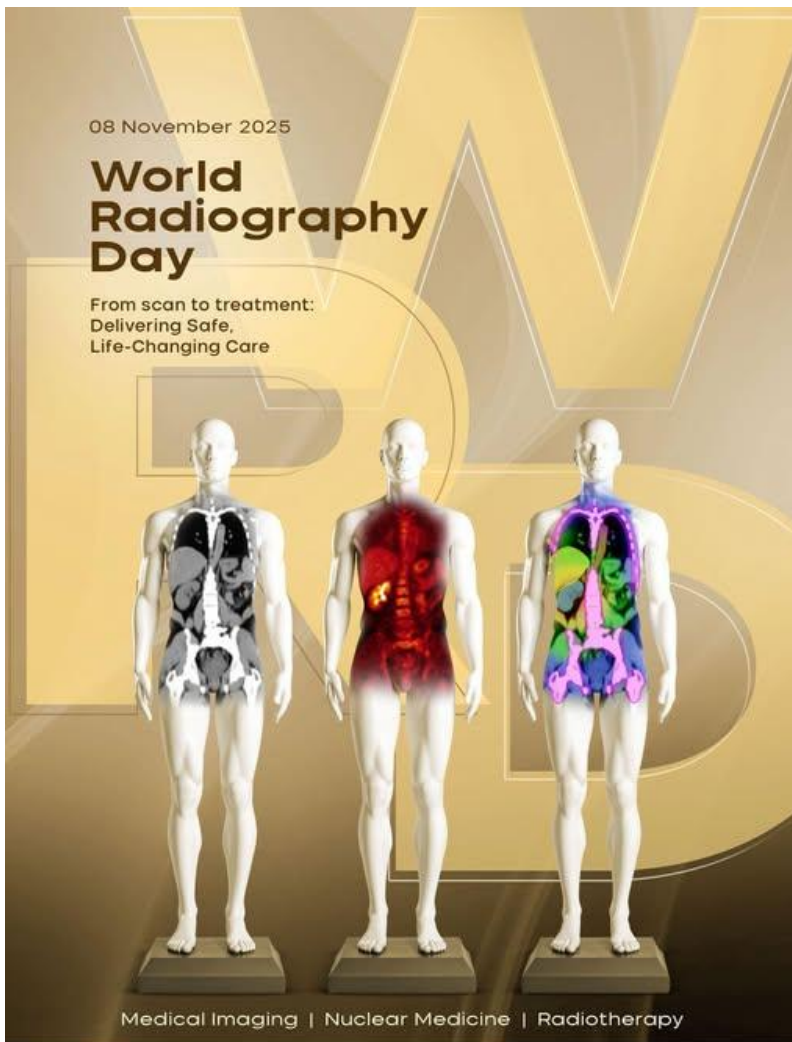


On Oct. 16, 2023, the governor of Tennessee Bill Lee proclaimed Nov. 5-11 as Radiologic Technology Week. This proclamation recognizes National Radiologic Technology Week® officially within the state, including the Tennessee Society of Radiologic Technologists. We hope everyone is enjoying their celebrations!

 American Society of Radiologic Technologists

8 novembre 2025



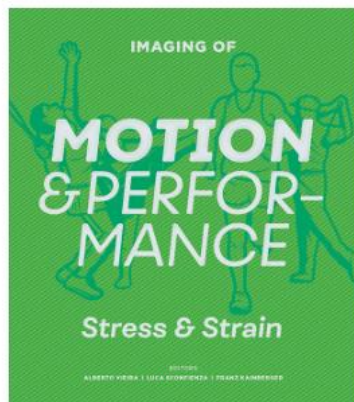




FASTeR
Federazione delle Associazioni Scientifiche dei Tecnici di Radiologia

[https://www.youtube.com/
watch?v=EYXqoAjjzco&t=13
S](https://www.youtube.com/watch?v=EYXqoAjjzco&t=135)

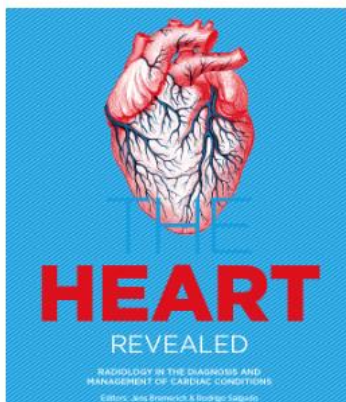
<https://www.internationaldayofradiology.com/books/>



Imaging of MOTION & PERFORMANCE

Stress & Strain

[Download \(PDF 13.7 MB\)](#)



The HEART revealed

Radiology in the diagnosis and management of cardiac conditions

Download (PDF 33 MB)



HELP

Emergency Medical Imaging

Download (PDF 27 MB)



Screening & Beyond

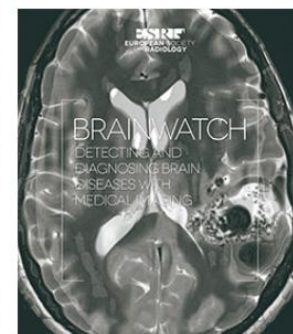
Medical imaging in the detection, diagnosis and management of breast diseases

Download (PDF 23 MB)



The Gentle Way

The Art of Paediatric Imaging

[Download \(PDF 11.9 MB\)](#)

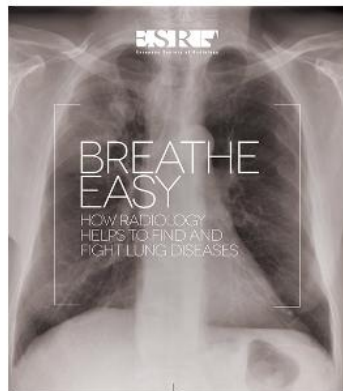
Brainwatch

Detecting and diagnosing brain diseases with medical imaging

[Download \(PDF 2.6 MB\)](#)

8 novembre 2025

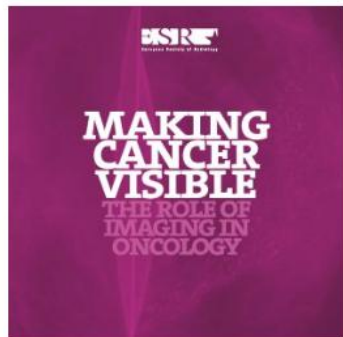
<https://www.internationaldayofradiology.com/books/>



Breathe Easy

How radiology helps to find and fight lung diseases

[Download \(PDF 2.4 MB\)](#)



Making Cancer Visible

The role of imaging in oncology

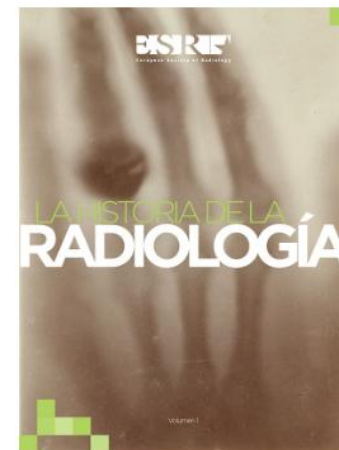
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Haciendo Visible El Cáncer

El rol del diagnóstico por imágenes en oncología

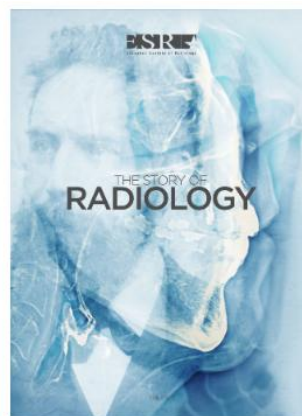
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La Historia De La Radiología Vol. 1

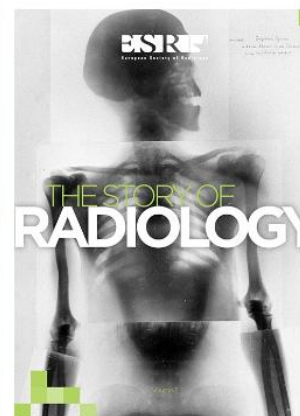
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Books for download



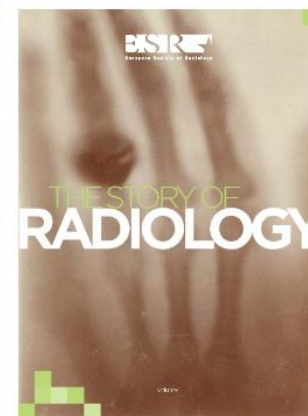
The Story of Radiology Vol. 3

[Download \(PDF 19.1 MB\)](#)



The Story of Radiology Vol. 2

[Download \(PDF 6.1 MB\)](#)



The Story of Radiology Vol. 1

[Download \(PDF 12 MB\)](#)

INTERNATIONAL DAY OF RADIOLOGY

AN INITIATIVE OF THE RSNA, ESR AND ACR

NOVEMBER 8, 2025

RadiologyInfo.org
For patients
Para pacientes

#IDoR2025

I.T.S Dental College Hospital & Research Centre
Greater Noida

International Day of Radiology 2025

Radiographers: "Seeing the unseen"

Hosted By -
Department of Oral Medicine & Radiology
on
8th November, 2025

Events:

- Nukkad Natak
- Reel making competition
- Poster making competition
- Interactive Quiz- "Find the Unseen"

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FORMAZIONE PER TUTTI

Röntgen non volle mai brevettare la sua scoperta, convinto com'era che “Ogni scoperta o invenzione appartiene all'Umanità intera...”.

<https://www.variodyne.it/>

