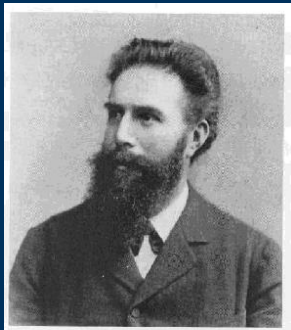


Giornata internazionale della radiologia (IDoR 2023)



1845 - 1923

Gemelli



Marino Gentile – Ada Guidi

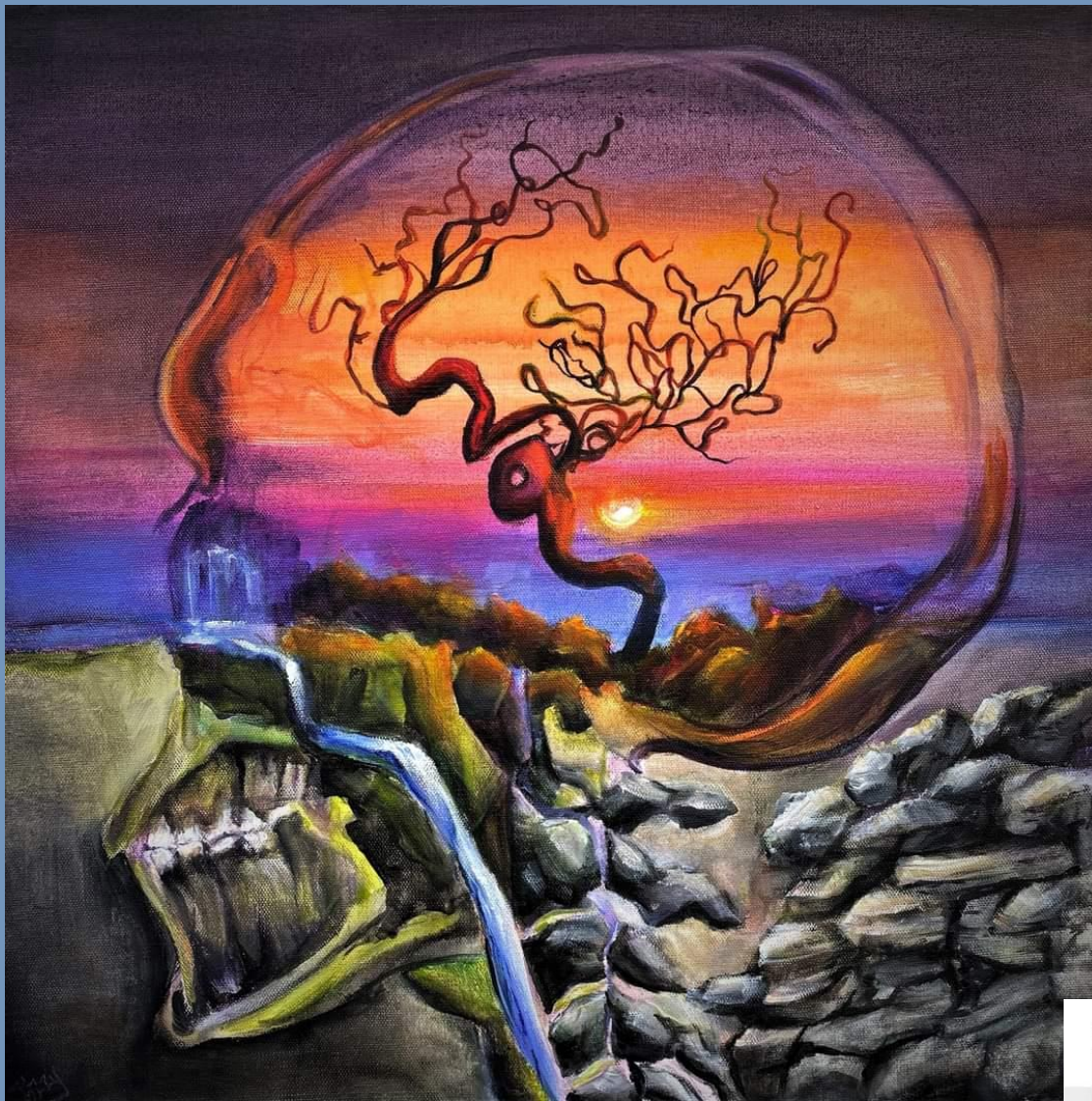
Formazione
per l'eccellenza

nov. '23

Ver. 1.1

Fondazione Policlinico Universitario Agostino Gemelli IRCCS
Università Cattolica del Sacro Cuore





Sella Turcica Sunset



GIORNATA MONDIALE DELLA RADIOLOGIA



1845 - 1923

L'8 novembre 1895 (128 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**.



INTERNATIONAL DAY OF RADIOLOGY 2023



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

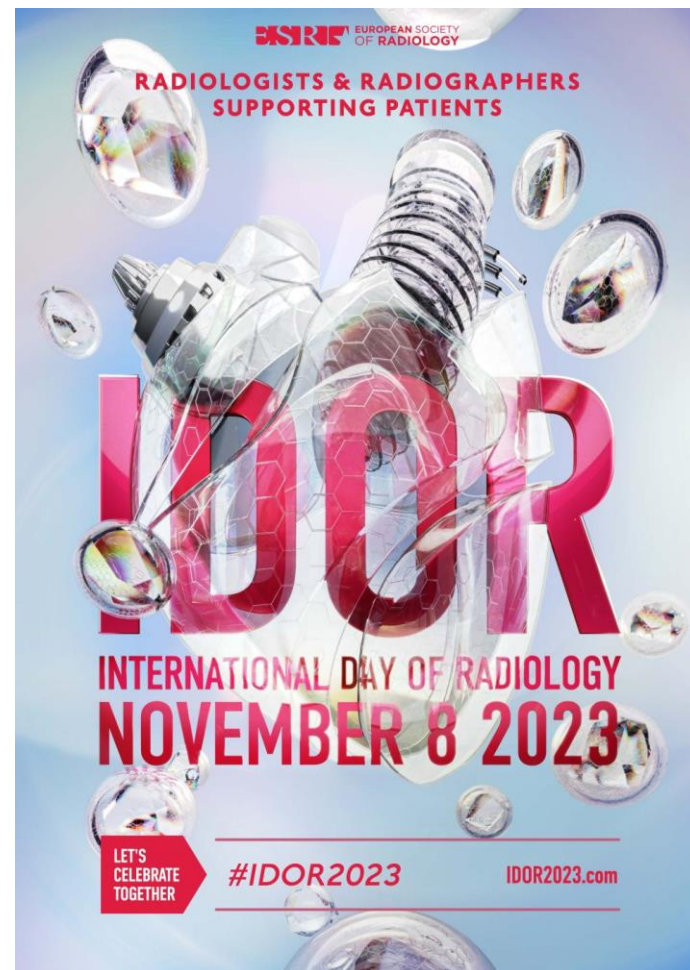
PROUD TO BE AN R.T.

**PATIENTS ARE OUR PASSION
SAFETY IS OUR PRIORITY**

**NATIONAL RADIOLOGIC
TECHNOLOGY WEEK®
NOV. 5-11, 2023**

8 novembre 2023

L'8 novembre, i professionisti dell'imaging di tutto il mondo celebreranno la 12^a Giornata internazionale della radiologia (IDoR 2023). 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.



Come sempre, l'8 novembre si svolgerà la Giornata internazionale della radiologia con l'obiettivo di creare una maggiore consapevolezza del valore che la radiologia contribuisce alla cura sicura dei pazienti e migliorare la comprensione da parte del pubblico del ruolo vitale che radiologi e radiografi svolgono nel continuum sanitario.



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.



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.

1964 Radiation therapy becomes a specialized field.

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

1971 First CT scan.



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



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

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

2015 ASRT Museum and Archives opens.

2011 First clinical 3-D mammography exam performed in the U.S.

1992 Congress enacts the Mammography Quality Standards Act ensuring all women have access to quality mammography.

asrt Museum and Archives

Photos: 1913, 1922, 1941, 2015: Up Malina

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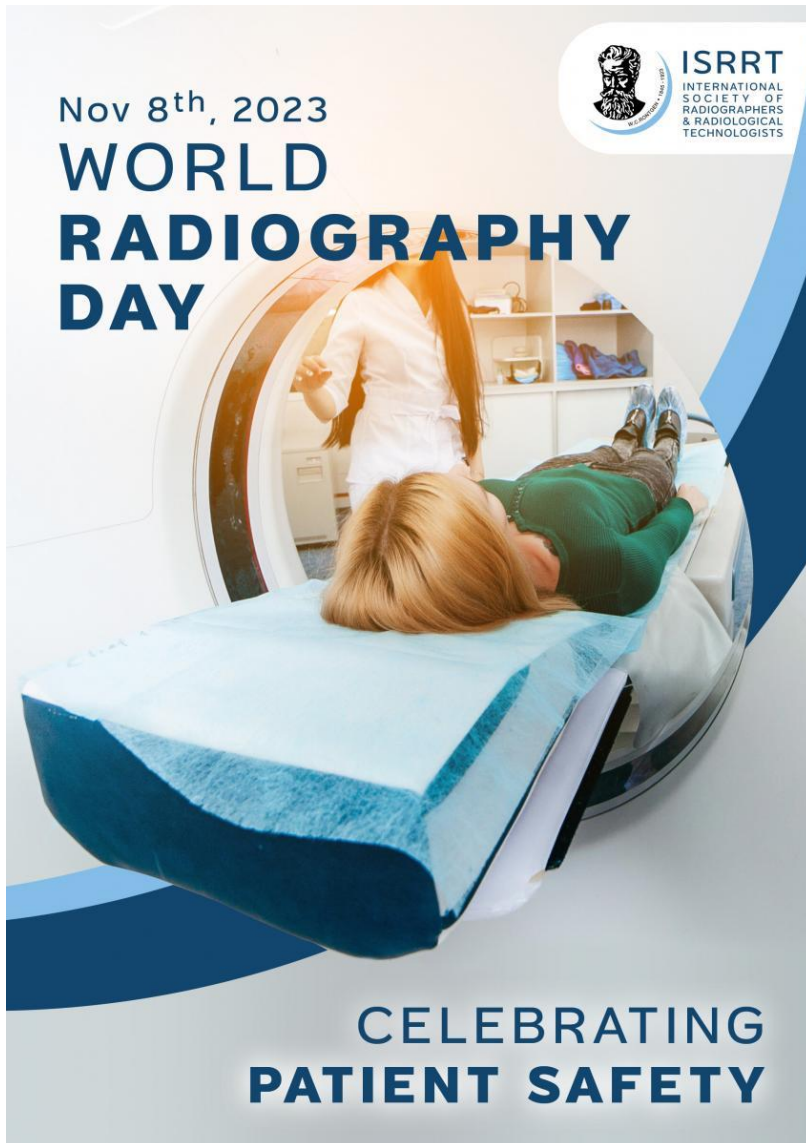
8 novembre 2023

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).

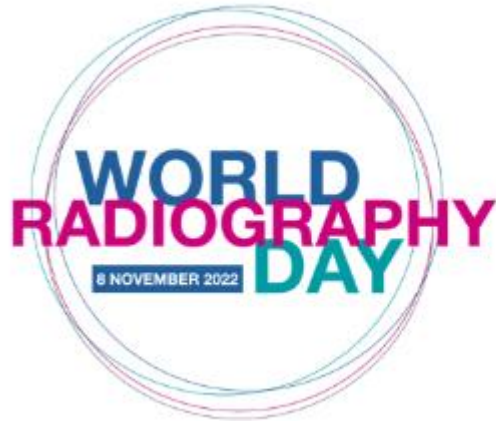


Anche la *European Federation of Radiographer Societies* (EFRS) e la *International Society of Radiographers & Radiological Technologists* (ISRRT) sostengono la Giornata internazionale della radiologia.





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

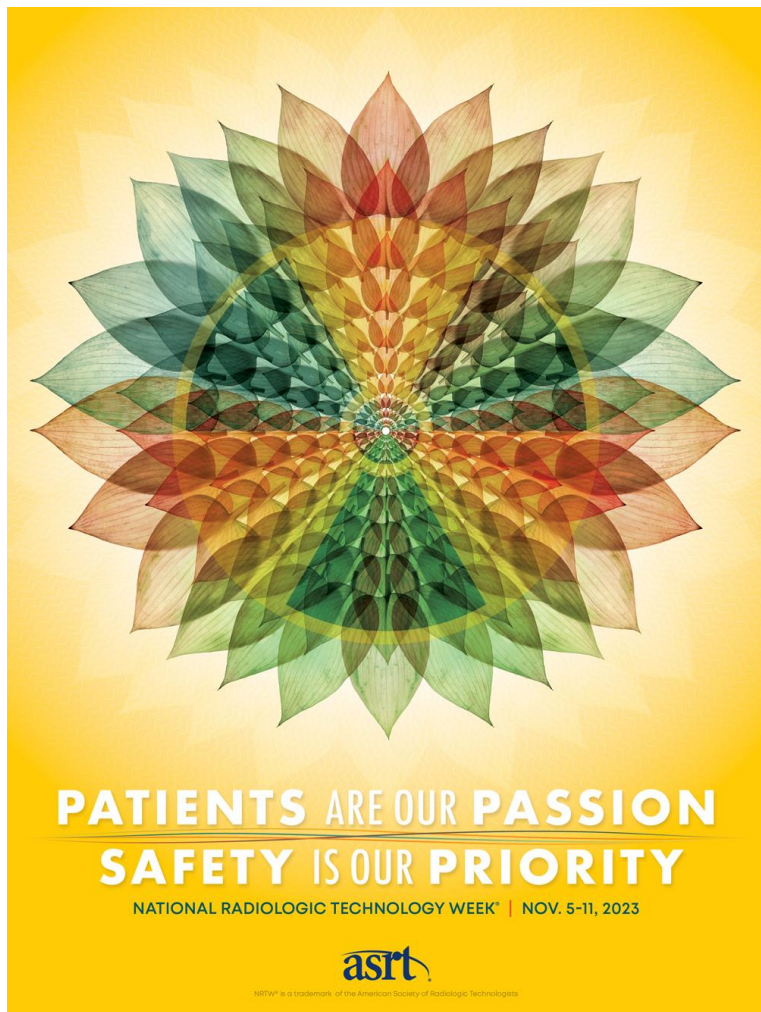


<https://www.sor.org/about/about-radiography/world-radiography-day#World-Radiography-Day>

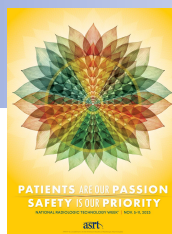


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<https://www.asrt.org/events-and-conferences/nrtw>



asrt American Society of Radiologic Technologists

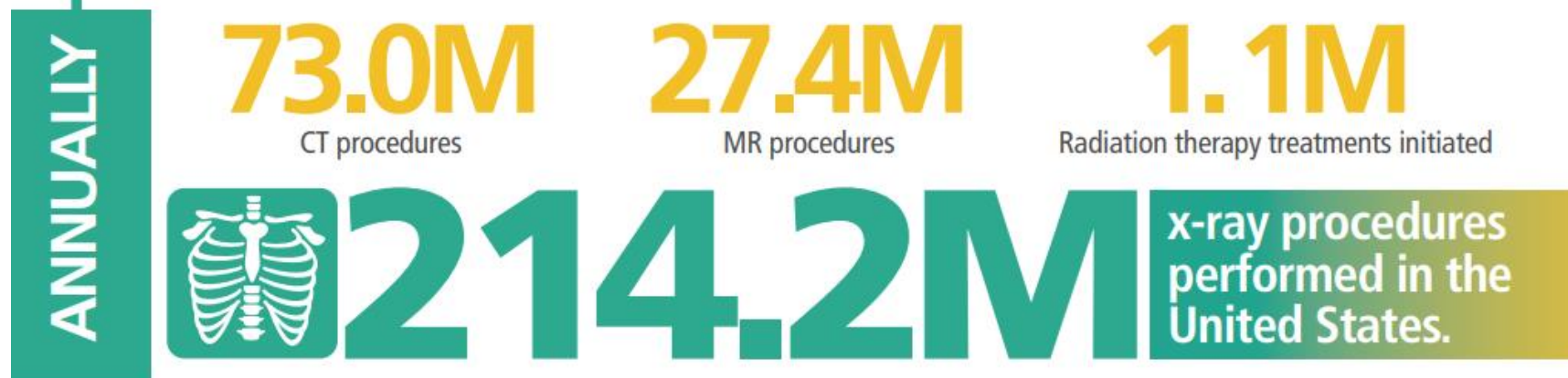
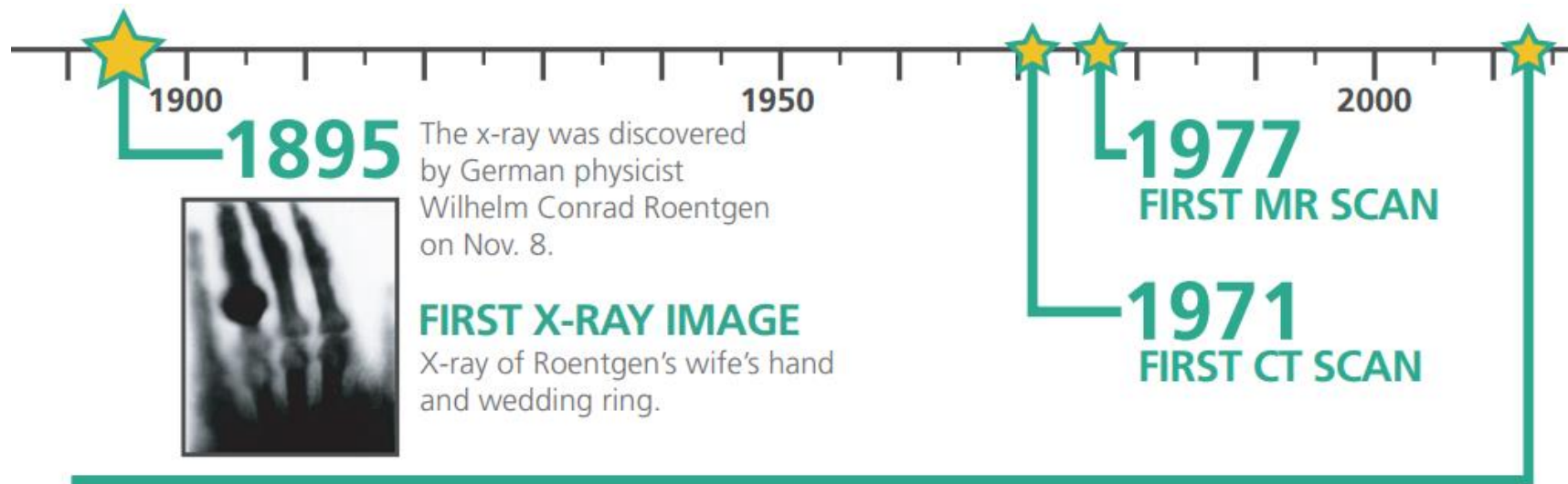


TECHNOLOGY

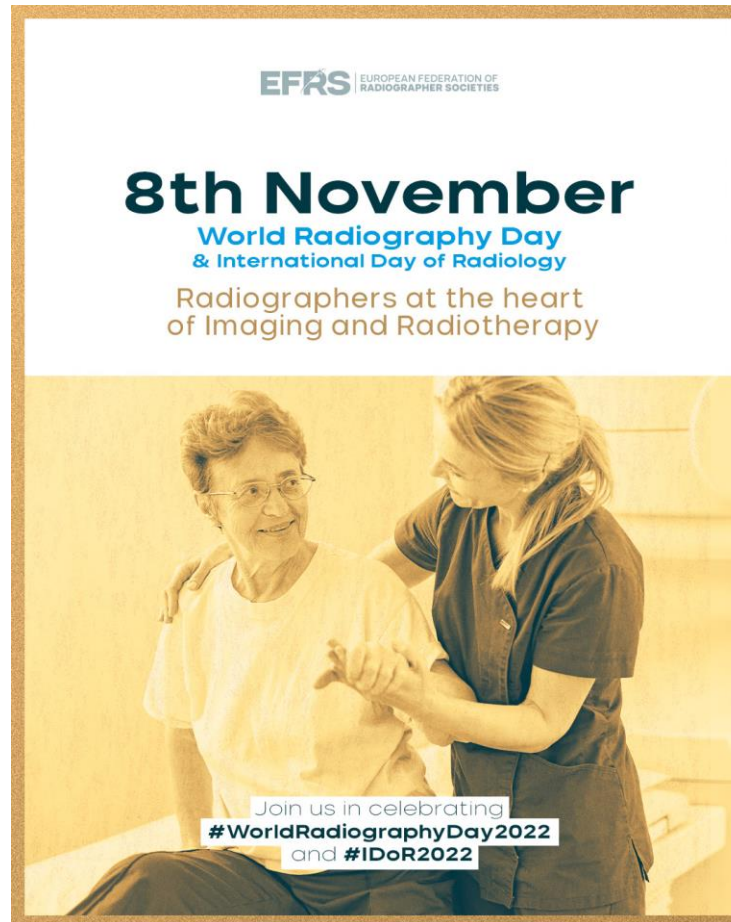
- (R) Radiography**
(X-ray) Produces images of anatomy to detect bone fractures, find foreign objects and show the relationship between bone and soft tissue.
- (CT) Computed Tomography**
(CT scan) Obtains "slices" of anatomy at different levels of the body so physicians can view what's happening inside 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 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.

TECHNOLOGY

- (MR) Magnetic Resonance**
(MRI) 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.

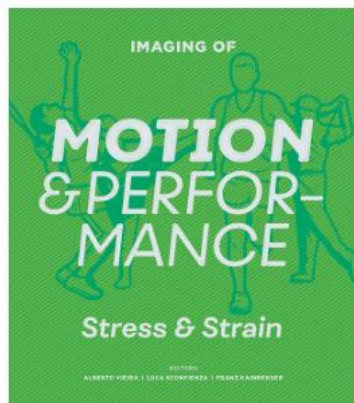


Source: Statistics obtained from IMV 2020 reports



8 novembre 2023

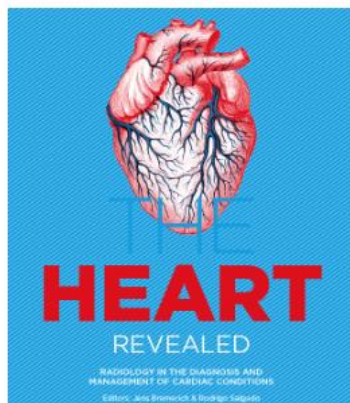
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Imaging of MOTION & PERFORMANCE

Stress & Strain

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The HEART revealed

Radiology in the diagnosis and management of cardiac conditions

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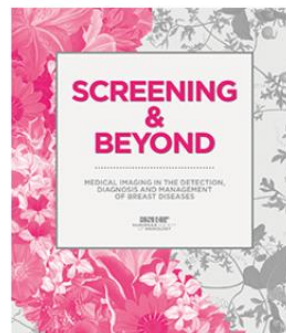
HELP

Emergency Medical Imaging

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Books for download



Screening & Beyond

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

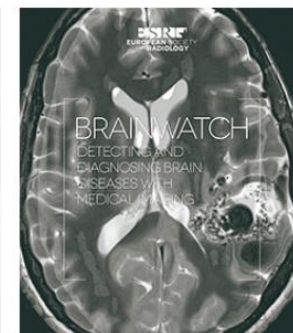
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The Gentle Way

The Art of Paediatric Imaging

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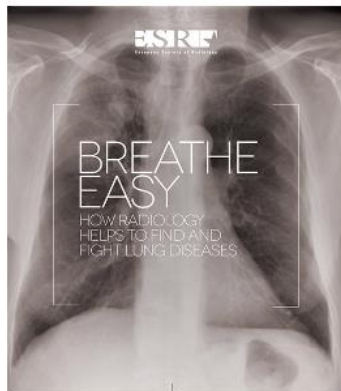
Brainwatch

Detecting and diagnosing brain diseases with medical imaging

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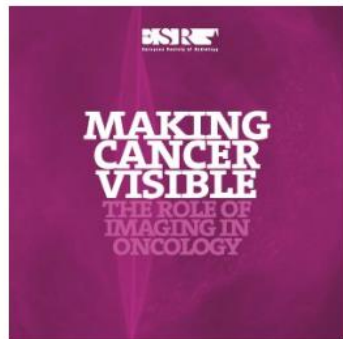
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Breathe Easy

How radiology helps to find and fight lung diseases

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Making Cancer Visible

The role of imaging in oncology

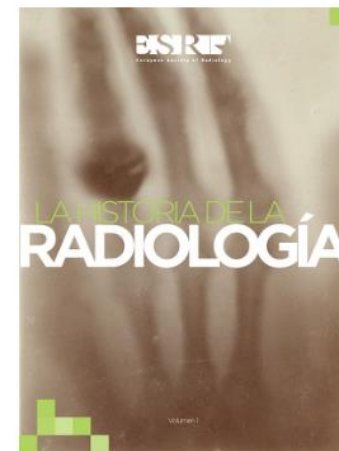
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Haciendo Visible El Cáncer

El rol del diagnóstico por imágenes en oncología

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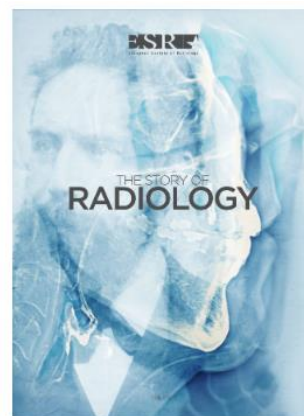


La Historia De La Radiología Vol. 1

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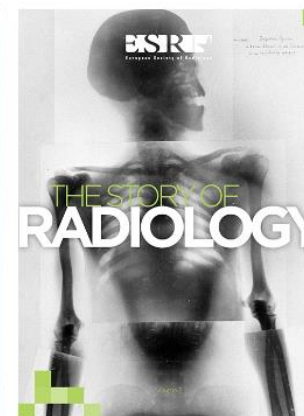
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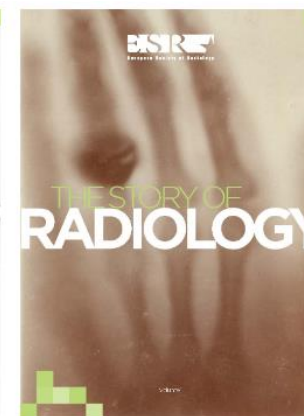
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The Story of Radiology Vol. 2

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The Story of Radiology Vol. 1

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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



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/>

