



PARMA  
Auditorium Paganini



# 2nd NATIONAL CONGRESS AITeRTC

## Sustainable and Shared Imaging: The Key to an Integrated Efficiency System

10 e 11 ottobre 2025

Courtesy of Michela Pollini

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GENERAL INFO

01

# DATE AND VENUE

The Lands of the Duchy of Parma and Surroundings – Courtesy of Luca Antonioli

## EVENT DATE

From Friday, October 10 to Saturday, October 11, 2025

## CONGRESS VENUE

Paganini Congressi  
Spazi Ipogei  
Via Toscana, 5/a  
Parma

## ORGANIZATION

AITeRTC - Associazione Italiana Tecnici  
di Radiologia in Tomografia  
Computerizzata ETS  
Via Martiri della Liberazione 34  
43126, Parma



**SCIENTIFIC**

**SECRETARIAT**

AITeRTC ETS – Italian Association of  
Radiographers in Computed  
Tomography ETS

**ORGANIZING**

**SECRETARIAT**

Riccione Congressi  
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Piazza Unità, 10 – 47838 Riccione (RN)  
0541604160  
[eventi@riccionecongressi.com](mailto:eventi@riccionecongressi.com)

The Tuscan-Emilian Apennines – Courtesy  
of Luca Antonioli



# ABOUT US

## THE ASSOCIATION

The Italian Association of CT Radiologic Technologists (AITeRTC), ONLUS, is a non-profit technical and scientific association recognized by the National Federation of Orders of Radiographers and Health Technical, Rehabilitation and Prevention Professions (FNO TSRM e PSTRP) and by FASTeR (Federation of Scientific Associations of Radiographer). It serves as the national reference association for the radiologic methods of Computed Tomography (CT), Conventional Radiology (CR), and Home Radiology (HR).



The Gentle Valleys of Parma Ham, Caressed by the "Sea" Breeze – Courtesy of Luca Antonioli



Website:

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



Educational Platform:

<https://www.aitertc.it/web/piattaforma-fad-corsi/>

## COMMITTEES

## ORGANIZING COMMITTEE

## Executive Board

## SCIENTIFIC DIRECTOR



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# COMMITTEES

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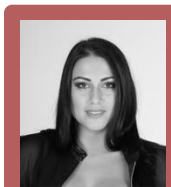
## Congress Scientific Committee



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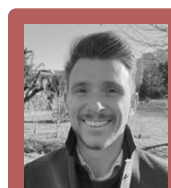
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**04**

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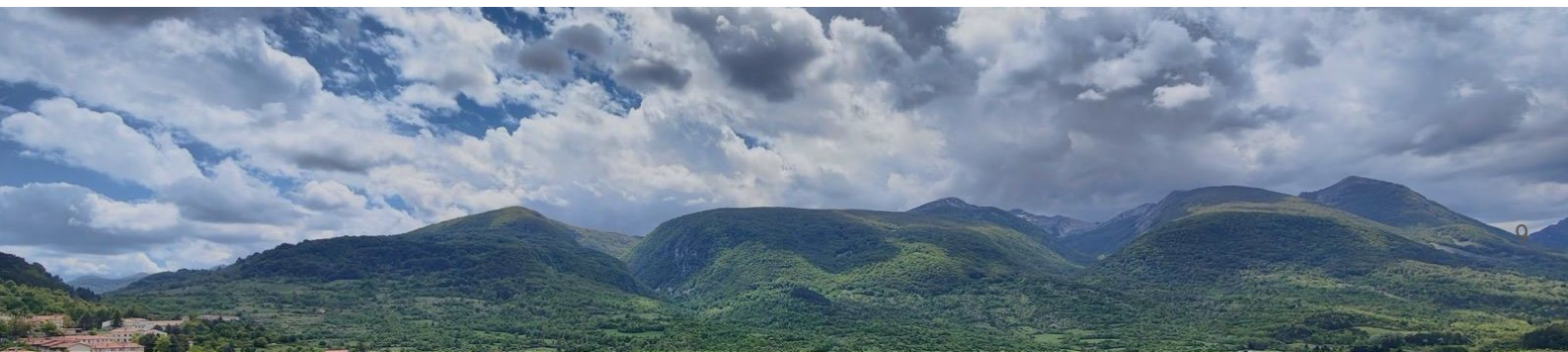
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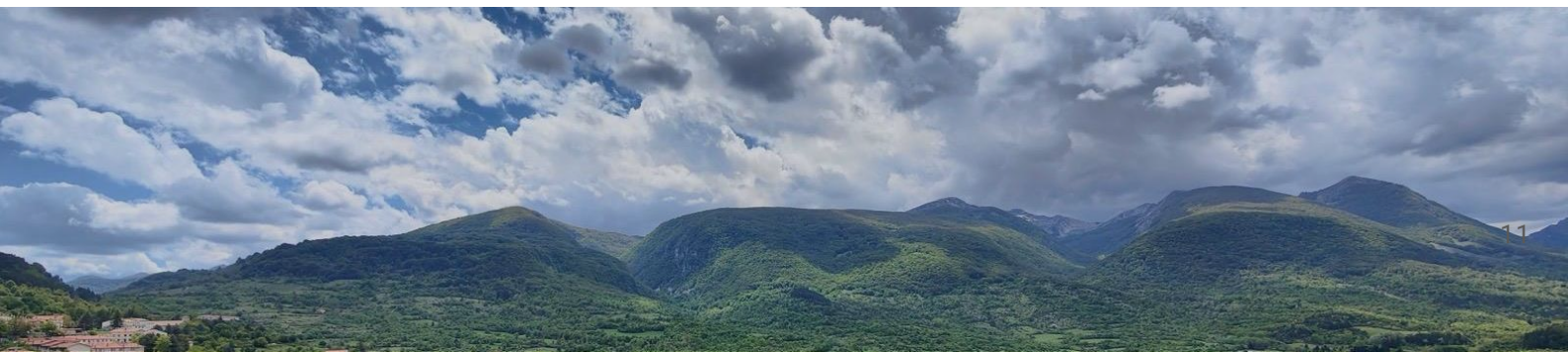
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**04**

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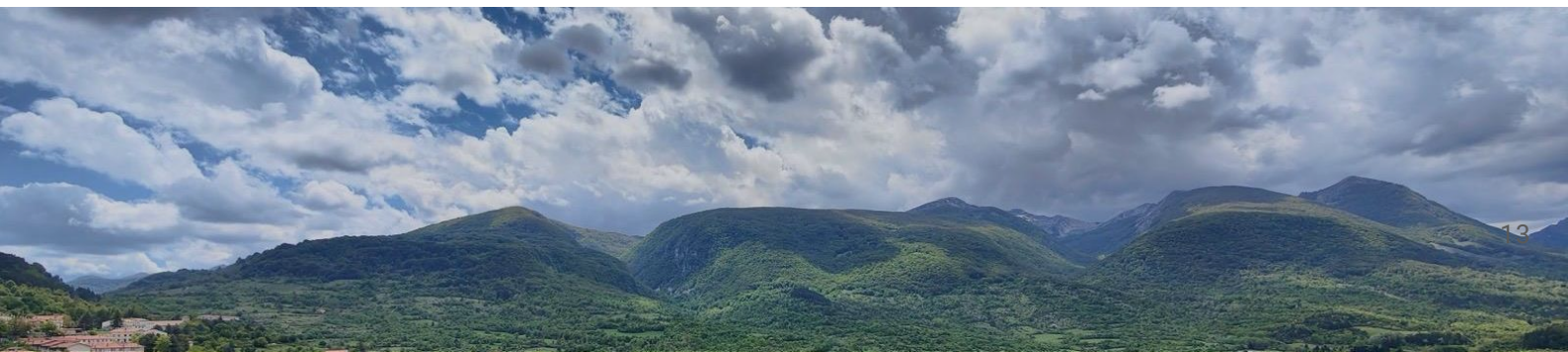
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Marco Vecchietto

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# RATIONALE

The Italian Association of Radiographers in CT (AITeRTC), ONLUS, announces its 2nd National Congress, to be held in Parma on October 10–11, 2025, at the Niccolò Paganini Auditorium.

The event, titled *“Sustainable and Shared Imaging: The Key to an Integrated Efficiency System”*, aims to become the biennial landmark gathering for all radiographers involved in integrated imaging between Computed Tomography and Conventional Radiology.

## FROM THE FOUNDATION OF THE ASSOCIATION TO THE PRESENT DAY

The AITeRTC Association was founded in 2021 with the goal of creating a network of Radiographers specialized in Computed Tomography (CT). From the outset, its mission has been to foster the exchange of professional experiences, enhance the cultural and technical knowledge of the modality, and promote the development of specialized skills through training programs, professional dialogue, and scientific research activities.

Starting in 2022, AITeRTC expanded its scope to include Conventional Radiology, and by the end of 2024, also integrated Home Radiology. This strategic choice aims to provide an increasingly comprehensive and integrated reference for radiologic technologists, in line with the association’s mission to support and enhance all areas of the profession, as envisioned for Third Sector Entities.

Throughout both days, participants will have access to workshops organized by healthcare institutions and industry leaders specializing in CT, as well as hands-on labs with dedicated spaces.

Moreover, the congress will include oral and poster presentations selected by a panel of experts.

All accepted abstracts will be published in [a special issue of the scientific journal JAHG](#), which is indexed in the [CINAHL database](#).

# SCIENTIFIC ACTIVITIES

The event will offer an in-depth exploration of emerging technologies and operational strategies that are making diagnostic imaging increasingly sustainable, interconnected, and predictive.



Associazione Italiana  
Tecnici di Radiologia  
Tomografia Computerizzata

Alongside plenary sessions focused on the state of the art and scientific innovations in the main integrated **CT and X-ray imaging workflows** – including emergency care, pediatric imaging (also for non-specialized centers), non-coronary cardiovascular imaging, spectral imaging, and more – the Congress will also offer space for workshops and interactive activities.



Sezione  
Radiologia  
Convenzionale

**CME credits** will be available through an **online on-demand course**, focused on topics related to the Association's areas of expertise.



Sezione  
Radiologia  
Domiciliare

The goal is to **consolidate existing knowledge** and explore the **latest innovations** in the field through **our platform, Albatros Hub**.



Albatros  
Hub



## Emergency and Major Trauma: The Ideal Imaging Compromise

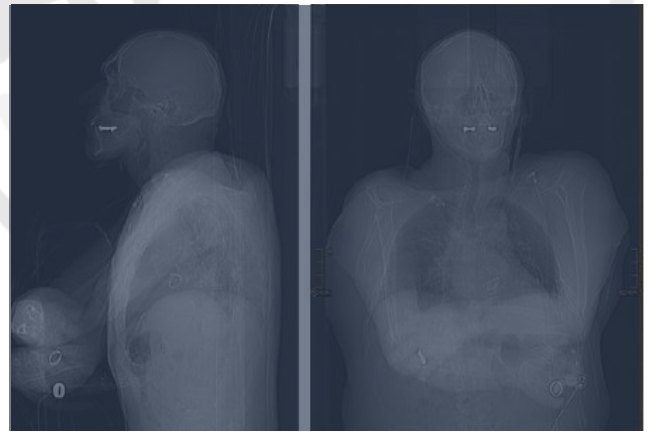
The trauma network: management algorithms, multidisciplinary teams, and quality pathways for timely and effective imaging.

### Rational

Major trauma is one of the leading causes of mortality and disability in both adult and young populations, requiring rapid, coordinated, and effective responses. In this context, imaging plays a crucial role in establishing the diagnosis and guiding therapeutic decisions within extremely short timeframes. However, speed must not come at the expense of accuracy, appropriateness, and safety—hence the need to identify an ideal compromise between timeliness and quality.

This session aims to explore the polytrauma patient pathway, from the scene of the event to in-hospital management, outlining organizational models, protocols, and diagnostic tools that enable effective and multidisciplinary care. The ABCDE algorithm will be examined as a cornerstone of primary and secondary clinical assessment, highlighting the critical moment when imaging becomes central to the decision-making process.

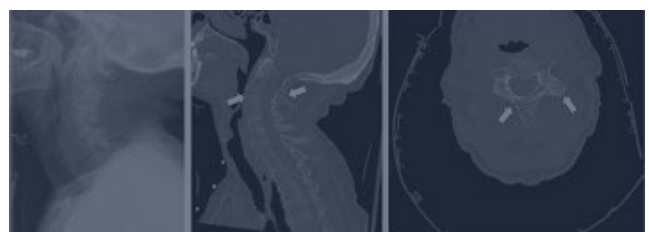
Speakers will address the role of diagnostic imaging in major trauma,



distinguishing between first- and second-line tools, dedicated CT protocols (Body, Neuro), and the criteria for appropriate contrast media selection in emergency settings (trauma, stroke, vascular emergencies). The contribution of the radiologic technologist (TSRM) will highlight quality indicators, environmental variables, and the importance of operational standardization in trauma-specific workflows.

The session will conclude with a focus on the quality of the in-hospital care pathway, drawing on the experience of multidisciplinary improvement groups, with the aim of fostering dialogue among the various professional figures involved: physicians, radiographers, nurses, pharmacists, and clinical coordinators.

This session intends to offer an integrated and up-to-date perspective on major trauma management, reinforcing the interprofessional awareness and collaboration needed to optimize timing, resources, and outcomes.



## The Challenge of Pediatric Imaging in Non-Specialized Settings

Focus on adaptive protocols, artificial intelligence, and low-dose techniques to ensure high-quality care even in settings with resources not specifically designed for infants, children, and adolescents.



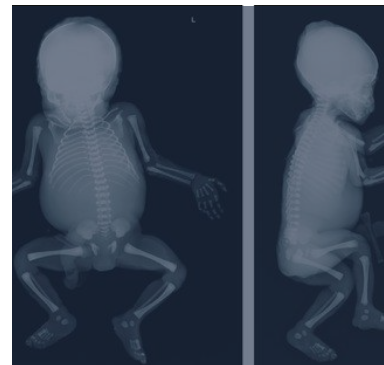
### Rational

Managing pediatric imaging in non-specialized facilities is a daily challenge for many imaging professionals. This session is designed to provide practical tools, insights, and operational strategies for those who, while working outside highly structured environments, deal with pediatric patients in complex situations—often under urgent or emergency conditions.

The session will revolve around five core themes: managing and positioning the young patient; choosing appropriately between X-ray and CT based on the clinical question; dose optimization through personalized protocols; psychological support for both the child and the family; and

the essential value of teamwork among radiologic technologists, nurses, and physicians.

Through a multidisciplinary exchange, the session will address operational differences between specialized centers and peripheral contexts, highlighting challenges, best practices, and exemplary models. The focus will be twofold: on the one hand, the pediatric patient and their protection through clinical and dosimetric appropriateness and empathetic communication; on the other, the healthcare professional, who must act with awareness, sensitivity, and competence—even in the absence of structured protocols or specialist support.



The session will include contributions from professionals with diverse yet complementary expertise: radiologic technologists experienced in protocol optimization, pediatric nurses, radiologists, psychologists, and general pediatricians—offering a 360-degree view of the dynamics surrounding pediatric imaging.

This initiative aims to actively engage all colleagues who, although not working in dedicated pediatric environments, are nonetheless tasked with caring for young patients with great responsibility and often limited resources. The goal is to promote awareness, knowledge, and professional dialogue, so that every child—wherever they are treated—receives the best imaging care possible.

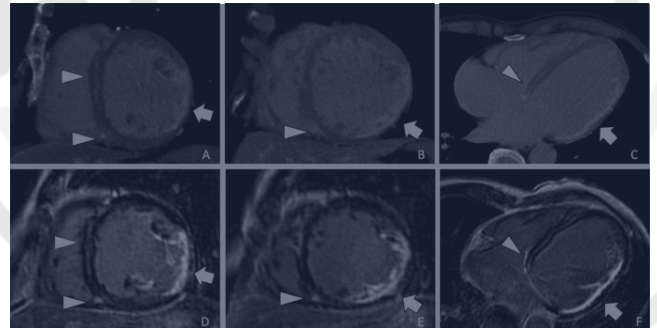
## Cardiovascular Imaging: Beyond the Coronaries

A diagnostic evolution that goes beyond conventional Cardiac CT, exploring new tools for dynamic, predictive, and personalized imaging—meeting the needs of internists and surgeons through advanced models of anatomical and functional assessment.

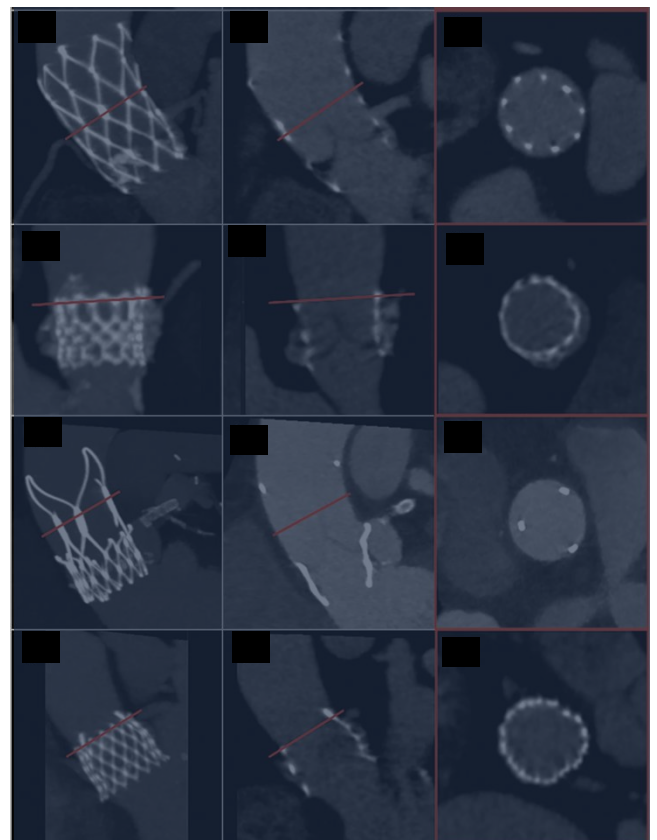
### Rational

Cardiac CT is now an essential diagnostic tool in the clinical pathway of cardiovascular patients. This session aims to explore its most advanced applications, going beyond coronary assessment to include functional, valvular, and structural domains. The focus will be on the use of CT in dynamic and morpho-functional myocardial evaluation (perfusion, delayed enhancement, cine-CT), with in-depth discussions on emerging techniques such as FFR-CT and retrospective reconstructions.

Special attention will be given to the role of Cardiac CT in the preoperative planning of valvular procedures (TAVI, TMVI), including acquisition strategies, contrast media optimization, dose reduction, and post-processing techniques. The topic will culminate with an in-depth look at three-dimensional applications—from segmentation to bioprototyping, including augmented reality—aimed at providing



practical tools and operational skills to professionals with advanced expertise. Through an integrated approach between medical and technical professionals, the session aims to highlight the strategic role of radiologic technologists (TSRM) in the management of complex cardiovascular imaging, laying the foundation for growing interdisciplinarity and technological innovation.



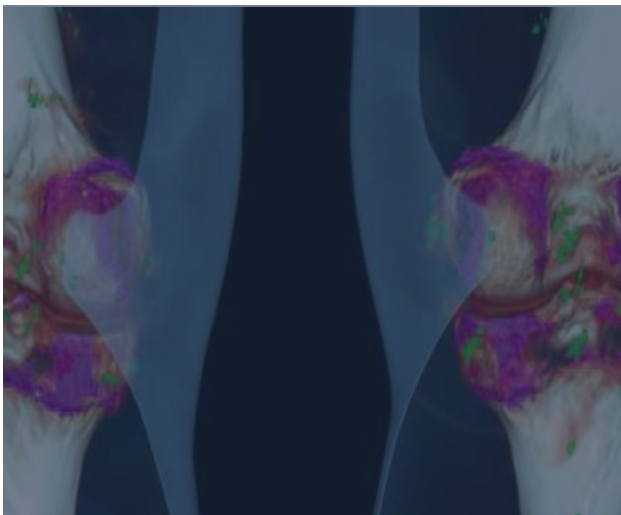
## Spectral CT: From Theory to Clinical Application

**Spectral CT: From Theory to Clinical Practice. What's new compared to conventional CT?**

A technology capable of identifying the elements of matter based on their atomic number, providing not only anatomical but also material-specific information.

**What is its value?**

It can enhance early diagnosis, personalize treatment pathways, and reduce patient management costs.



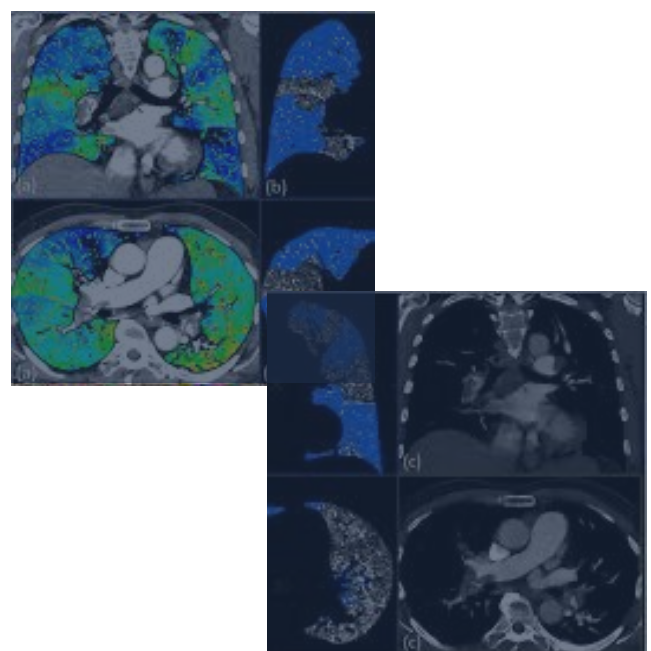
## Rational

Spectral imaging represents one of the most significant innovations in Computed Tomography in recent years. By integrating tissue characterization data with morphological information, spectral CT adds

functional value to conventional anatomical imaging, enabling more accurate diagnoses, greater personalization of treatment pathways, and potential optimization of patient management costs.

This session will guide participants through a journey from the fundamentals of spectral imaging to its most current clinical applications. It will cover the physical principles behind the technology, dosimetric aspects, the evolution of available hardware solutions, and various implementation approaches. Ample space will be dedicated to the analysis of technical parameters and clinical cases, with the aim of clearly demonstrating the added value that spectral CT can offer today.

The goal is to provide a clear, up-to-date, and immediately applicable overview of a technology that is still not widely adopted in daily practice, but is becoming increasingly accessible thanks to recent innovations. An opportunity to move beyond morphological imaging toward precision diagnostics.



# ABSTRACT

Abstracts for **poster and oral presentations** may be submitted exclusively through this platform, which is the only official submission channel recognized for the 2nd AITeRTC National Congress.



All accepted abstracts will be published in a **special issue** of the **scientific journal JAHC**, and thus indexed on the CINAHL platform.

The Tuscan-Emilian Apennines, the mountain range that stretches between Emilia-Romagna and Tuscany.



 **Piattaforma AITeRTC**

<https://abstract.riccionecongressi.it/moduli/AITERTC2025/>

# Programm

## Preliminary

2° National Congress  
**AITeRTC** 2025

Sustainable and Shared Imaging:  
The Key to an Integrated Efficiency System

OCTOBER 10-11, 2025  
 PARMA

## TOPICS

- EMERGENCY AND MAJOR TRAUMA:  
THE IDEAL IMAGING COMPROMISE
- SPECTRAL CT: FROM THEORY TO  
CLINICAL APPLICATION
- CARDIOVASCULAR IMAGING:  
BEYOND THE CORONARIES
- THE CHALLENGE OF  
PEDIATRIC IMAGING IN NON-  
SPECIALIZED SETTINGS

# Friday, October 10

## Sala Pizzetti

12:00 – 13:30

13:30 – 14:00

14:00 – 15:50

Participants Registration

Opening Remarks by Institutional Representatives

**SESSION I – EMERGENCY AND MAJOR TRAUMA: THE IDEAL IMAGING COMPROMISE**

Title	Description	Profession	Speakers
Introduction to the Topic – Why Talk About Trauma and Emergency	Introduction by the session moderators, including an overview of the clinical and operational context. An introductory video may be shown.	Radiographers – Moderators	Daniela Artesani / Marco Vecchietto
Major Trauma: From the Scene to the Hospital	Definition of major trauma according to the guidelines of the Italian National Institute of Health. Presentation of the prehospital and in-hospital management algorithm, with a focus on trauma classification, centralization, the role of the Trauma Team, and the ABCDE algorithm.	Surgeon	Federica Renzi
Diagnostic Imaging in Major Trauma – Part 1	Overview of the role of imaging in major trauma. Classification of first- and second-level imaging, Body and Neuro CT protocols, clinical case presentations, and references from the literature.	Radiologist	Raffaella Basilico
Diagnostic Imaging in Major Trauma – Part 2	The role of the radiologic technologist (TSRM) in trauma management: quality indicators, environmental impact, planning, and standardization of diagnostic workflows.	Radiographer	

# Friday, October 10

## Sala Pizzetti

Contrast Media in Emergency Settings: Selection, Protocols, and Safety	Molecular characteristics and selection criteria for contrast media in emergency contexts (trauma, stroke, vascular emergencies). Vascular access and infusion protocols.	Pharmacist	Biagio Caroppo
Quality Monitoring and Multidisciplinary Improvement Groups	The role of improvement groups in evaluating and optimizing the quality of the in-hospital care pathway. Practical experience from the perspective of a Trauma Nurse Coordinator.	Trauma Nurse Specialist	

16:10 – 16:30

### PARALLEL ACTIVITIES

16:40 – 18:30

### SESSION II – THE CHALLENGE OF PEDIATRIC IMAGING IN NON-SPECIALIZED SETTINGS

Title	Description	Profession	Speakers
Introductory HUB – The Challenge of Pediatric Imaging in Non-Specialized Settings	An introductory presentation outlining the operational context and daily challenges of pediatric imaging in non-specialized facilities. The session objectives and key discussion points will be introduced.	Radiographer with experience in pediatric emergency/urgent care	Emiliano Perini
Patient Positioning and Management in Pediatric Emergency	Focus on techniques for mobilizing and securing pediatric patients in emergency situations, with practical examples and differences between specialized and peripheral settings.	Radiographers with and without pediatric emergency experience	Emiliano Perini vs. Luca Dellagiacomma
X-ray or CT? Informed Choices in Pediatric Imaging	Comparative insight into X-ray and CT use in pediatric patients: benefits, limitations, indications, and complementarity.	Radiologists with and without pediatric imaging experience	Enrica Rossi vs. Roberta Eufrasia Ledda

# Friday, October 10

## Sala Pizzetti

<p>Dose Optimization and Personalized Protocols: Balancing Necessity and Safety</p>	<p>A presentation focused on dose management, with particular attention to Low Dose Radiology (LDR), the role of Dose Teams, and the development of tailored protocols in non-pediatric settings.</p>	<p>Radiographer</p>	<p>Martina Buzzin</p>
<p>Between the Child and the Family: The Psychological Dimension of Radiologic Exams</p>	<p>An analysis of the role of psychological support in pediatric imaging, focusing on the child's emotional management and the involvement of the family, depending on the care environment.</p>	<p>Psychologist</p>	
<p>Teamwork in Practice: Radiologic Technologist and Pediatric Nurse in Dialogue</p>	<p>A discussion on the value of collaboration between radiologic technologists and pediatric nurses in managing young patients, including perspectives, challenges, and practical synergies.</p>	<p>Specialized Pediatric Nurse</p>	<p>Giuliana Evangelisti</p>

20.00

Dinner and Party

# Saturday, October 11

## Sala Pizzetti

08:00 – 09:00

**Opening Session**

09:00 – 10:50

**SESSION III – CARDIOVASCULAR IMAGING: BEYOND THE CORONARIES**

Title	Description	Profession	Speakers
Introductory HUB – Cardiac CT: The “Gatekeeper” of Cardiovascular Disease	An introductory presentation that serves as the conceptual anchor of the session. It will cover clinical indications and the main non-coronary applications of Cardiac CT, with a focus on preprocedural valvular planning (TAVI, TMVI). Insights on the use of Dual Energy CT will also be provided, in connection with the upcoming topic on spectroscopy.	Radiologist	Giuseppe Tremamunno
The Heart Beyond the Coronaries	The first technical lecture dedicated to non-coronary myocardial CT. A detailed overview of perfusion techniques, delayed enhancement, and an introduction to FFR-CT.	Radiographer	Bruna Punzo
30 fps Tomography: Towards Functional Cardiac CT	A technical talk focused on the morpho-functional analysis of the heart using CT. The session will present case studies and examples of Cine-CT and retrospective reconstructions for the assessment of left ventricular function, also in parallel with echocardiographic approaches.	Radiographer / Sonographer	Riccardo Rubinace

# Saturday, October 11

## Sala Pizzetti

Valvular Disease and Minimally Invasive Treatments	A clinical overview that clearly explains the minimally invasive approach and its advantages, as well as the diagnostic questions that CT is expected to answer.	Cardiologist	Nicola Gaibazzi
Cardiac CT for Valvular Procedure Planning	A technical presentation focused on CT planning for transcatheter procedures (particularly TAVI): acquisition techniques, contrast management, dosimetry, ECG-gating, and post-processing. Includes tips & tricks for effective and standardized workflows.	Radiographer	Pietro Aureli
3D That Supports Decision-Making	A subtopic dedicated to advanced post-processing applications: from segmentation to bioprototyping, including immersive solutions (augmented reality, 3D printing). The format may be defined as a workshop or integrated into the plenary session.	Radiographer	Merim Jusufbegović

11:10 – 11:30

11:40 – 12:00

12:10 – 12:20

12:30 – 13:30

13:40 – 14:00

**PARALLEL ACTIVITIES**

**PARALLEL ACTIVITIES**

**PARALLEL ACTIVITIES**

**Lunch box**

**PARALLEL ACTIVITIES**

# Saturday, October 11

## Sala Pizzetti

14:10 – 16:10

SESSION IV – SPECTRAL CT: FROM THEORY TO CLINICAL PRACTICE

Titolo	Descrizione	Relatore	Nominativo Relatori
The Evolution of Spectral Imaging	A historical overview of the development of dual energy, dual source, and CT spectroscopy technologies—from concept to clinical application.	Biomedical Engineer	Giovanni Longhi
Physical and Dosimetric Principles and Guidelines for the Proper Use of Spectral Imaging	An analysis of the physical principles underlying spectral imaging, with a focus on dose optimization and key international guidelines.	Radiographer with expertise in Medical Physics / Medical Physicist	Francesco Magoga / Luca Bellesi
Comparing Spectral Imaging Technologies	Spectral Imaging Technologies Compared – Philips Dual Layer CT	Radiographer – Philips technology user	Costanza Filipelli
	Spectral Imaging Technologies Compared – GE Dual Energy CT	Radiographer – GE technology user	Roberto Perabò
	Spectral Imaging Technologies Compared – Siemens Photon Counting CT	Radiographer – Siemens technology user	Francesco Magoga
	Spectral Imaging Technologies Compared – Canon Dual Energy CT	Radiographer – Canon technology user	Laura Castellana
Clinical Applications of Spectral Imaging: Oncology, Musculoskeletal and Beyond	A clinical approach to spectral imaging in oncology, musculoskeletal, and abdominal fields: case studies and clinical benefits.	Radiologist	Andrea Coppola

# Saturday, October 11

## Sala Pizzetti

Spectral Imaging in  
Cardiovascular Patients

Focus on the use of spectral imaging in  
the cardiovascular field: functional and  
tissue assessment, with clinical  
examples.

Radiologist

Filippo  
Cademartiri

16:20 – 17:30

17:30 – 18:00

**Oral Presentations and Award Ceremony**

**Round Table Discussion and Closing Session**



# Registration

## Early Registration

### INDIVIDUAL REGISTRATION FOR AITeRTC MEMBERS

*(ALSO THROUGH HEALTHCARE INSTITUTIONS)*

AITeRTC Member Radiographers – Early Bird by 03.06	€ 145,00
AITeRTC Member Radiographers – After 03.06	€ 160,00
AITeRTC Member Radiographers – Scientific Committee	€ 100,00
AITeRTC Member Radiographer Students – Flat Rate	€ 50,00

### INDIVIDUAL REGISTRATION FOR Non-AITeRTC MEMBERS

Non-AITeRTC Member Radiographers – Early Bird by 03.06	€ 195,00
Non-AITeRTC Member Radiographers – After 03.06	€ 210,00
Non-AITeRTC Member Radiographer Students – Flat Rate	€ 70,00

### INDIVIDUAL REGISTRATION FOR EXTERNAL PARTICIPANTS (MAX 50 SPOTS)

Registration for External Participants/Visitors – Flat Rate	€ 122,00
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### REGISTRATION FOR FREE COMMUNICATION AND EPOSTER PRESENTERS

Abstract Submission for AITeRTC Members	€ 145,00
Abstract Submission for Non-AITeRTC Members	€ 195,00

### REGISTRATION VIA PROFESSIONAL BODY (COSTS COVERED BY THE ORDER)

AITeRTC Member Radiographers	€ 145,00
Non-AITeRTC Member Radiographers	€ 195,00

DINNER AND PARTY

09

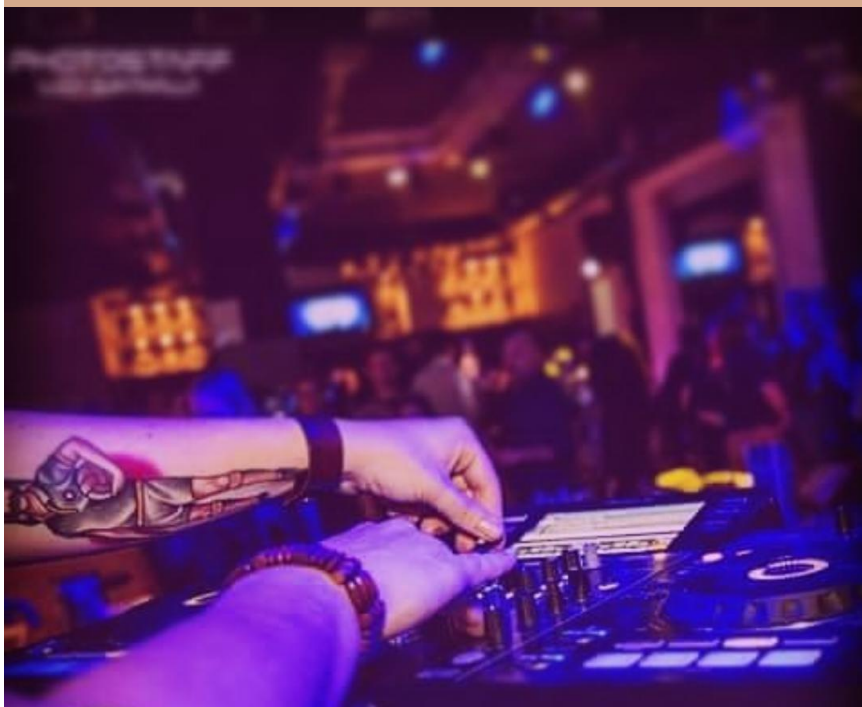
# DINNER and Party



## INFORMATION

Join us for the social dinner on **October 10** at **8:00 PM** at [Antica Tenuta Santa Teresa](#)

And after dinner... join the **AITeRTC Party!**



**Antica Tenuta  
Santa Teresa**



### ADDRESS

Strada per Beneceto, 26  
43100 Parma

Participation in the dinner requires prior reservation and pre-payment of €45.00 per person through the congress registration form - **UP TO A MAXIMUM OF 150 PARTICIPANTS**

LOCATION

10

# LOCATION

## Paganini Congressi Spazi Ipogei



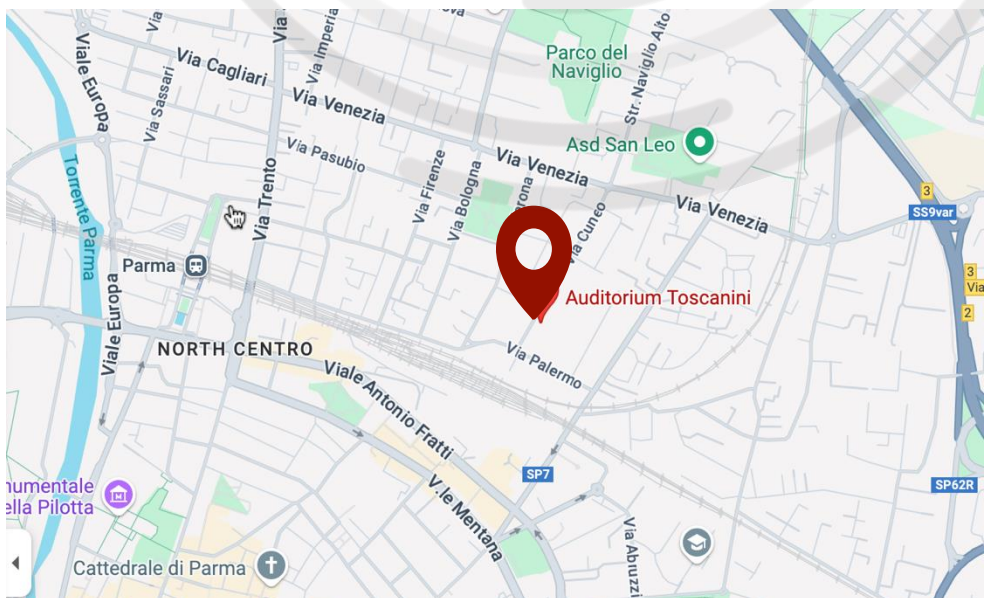
### ADDRESS

Via Toscana, 5/a  
43121 Parma PR

### PHONE

0521391373

A suitable parking area with approximately 150 free parking spaces is available for guests. Additional parking areas, both free and paid, are available outside the park.



## PRACTICAL INFORMATION

Paganini Congressi is easy to reach by any means of transport: it is located about 2 km from the train station, around 8 km from the motorway exit, and approximately 9 km from the airport. The distance from the city center is also walkable.



# TRANSPORTATION



## BY PLANE

### STRATEGIC LOCATION

This makes it easily accessible from four airports, which are nearly equidistant and well connected: Milan Linate Airport (120 km) and Bologna's Marconi Airport (90 km), both about one hour away by car; Milan Malpensa and Verona Airport are only slightly farther. In addition, Parma's Giuseppe Verdi Airport is also operational.



## BY CAR

### SITUATED ON A MAJOR HIGHWAY CONNECTION

Paganini Congressi is less than five minutes from the "Parma Centro" exit of the A1 motorway. Milan, Bologna, and Verona are about one hour away, while Florence, Padua, Turin, and Genoa are only slightly farther. For more information: [autostrade.it](http://autostrade.it)

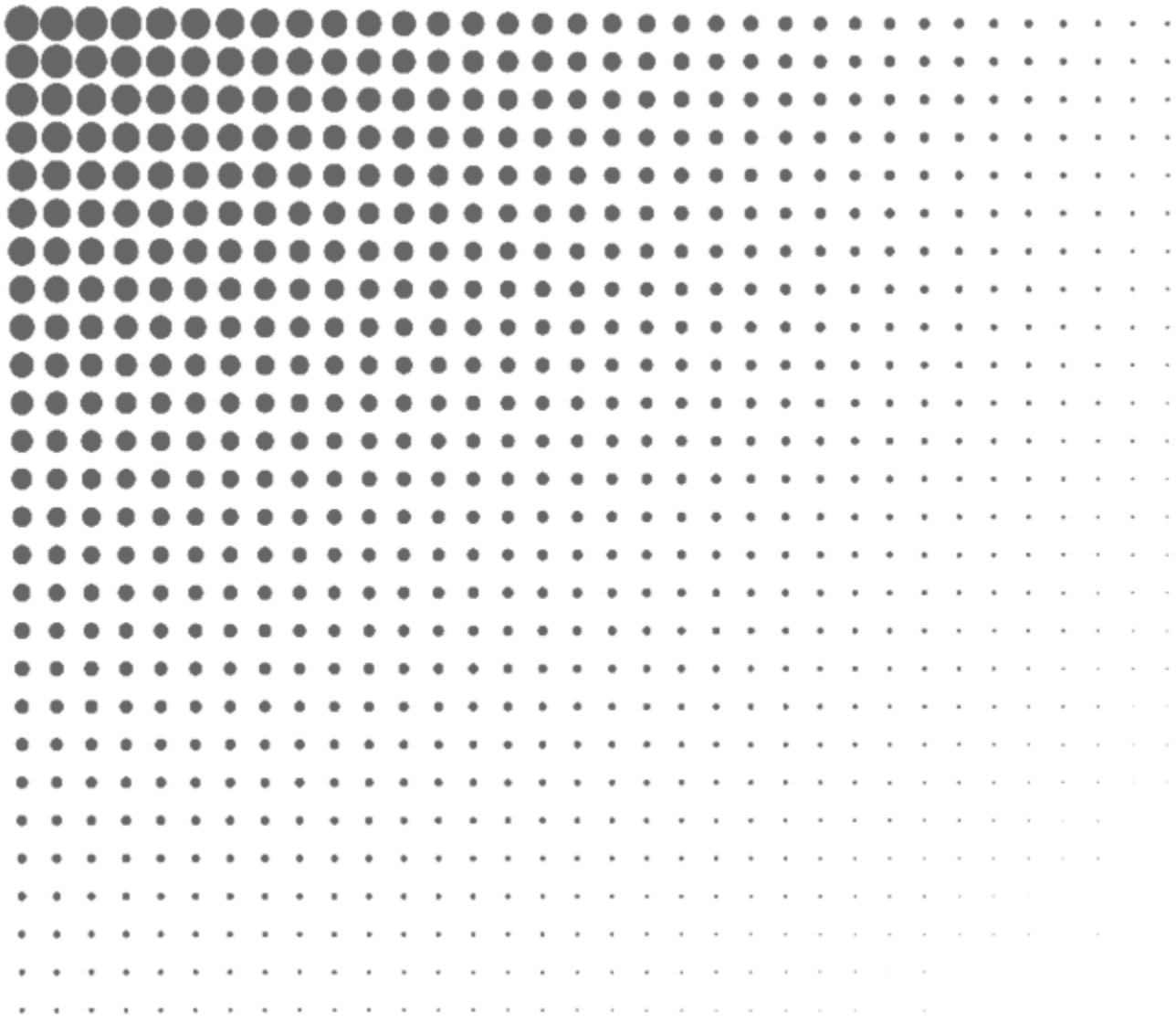


## BY TRAIN

### RAILWAY NETWORK AND HIGH-SPEED RAIL

Parma's railway station lies along the Milan–Rome route, connecting two of the busiest stations in Europe. Together with Bologna— a key junction on this line— they rank among the top stations in Italy in terms of passenger flow. The Reggio Emilia Mediopadana High-Speed Train Station can be easily reached by car from Paganini Congressi in less than 20 minutes, and is also connected to the city by convenient daily shuttles operated by Italo Treno.

For more information: [trenitalia.com](http://trenitalia.com) and [italotreno.it/en/destinations-schedules/italobus](http://italotreno.it/en/destinations-schedules/italobus)



**DON'T HESITATE**

**Register Now!**

**AITeRTC.IT**

