

Dear members of the Croatian Chamber of Health Professionals and respected colleagues!

It is our honor to announce the 5th Radiological Technology Congress with international participation, organized by the Professional Class for Health Radiological Technological Activity of the Croatian Chamber of Health Professionals, which will be held from October 27 to 29, 2023, in the congress center of the Sheraton Dubrovnik Riviera hotel.

Guided by the idea that when choosing the venue for the Congress of Radiological Technology, we should visit the whole of Croatia and, in this way, make participation in congresses equally accessible to all members and bring the cultural riches and diversity of our country closer to the participants from the surrounding countries and the world, this year it was the turn of the southern part as well our homeland.

We know that all branches of our profession operate and experience constant technological, professional, scientific, and organizational changes, which require continuous learning and application of new knowledge in everyday practice.

We believe that meetings of this type are of great importance in the exchange of experiences and the acquisition of new knowledge, but also in strengthening the profession's position in the health system; therefore, we invite you to contribute to the same with your presence and active participation...

We expect, as before, a significant response from colleagues from the surrounding countries and the region, and we look forward to the exchange of experiences at the international level. Carried by the good impressions from the previous Radiological Technology Congress, we look forward to meeting together and new positive experiences that undoubtedly accompany every effort of growth and development, both in the conceptual sense and our everyday business reality.



Goran Kutlić, univ.mag.rad.techn.

*Vice President of the Croatian Chamber of Health Professionals,
Head of the Professional Class for Health Radiological Technology Activity*

In front of the organizational committee:



Tomislav Stanković, bacc. radiol. techn.

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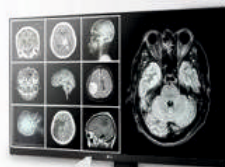


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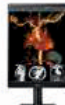


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Vedrana Hertl, Tomislav Jovanić, Tomislav Stanković

Scientific committee:

Vladimir Bahun, Sanja Brezovec, Marijan Brodarac, Mirjana Eršek, Jelena Flegar, Milan Gržan, Vedrana Hertl, Branka Horvatinec, Matija Hranić, Marijana Jakopović, Barbara Juratović, Marica Keser, Josip Mamić, Vedran Manestar, Krunoslav Marinčević, Tatjana Matijaš, Dejan Radunković, Tomislav Stanković, Krunoslav Štefančić

Scoring of the Congress will be done according to the list of registered participants by the Rule book on the content, terms, and procedure of proficiency by the Vocational Class of Radiologic Technology, Croatian Chamber of Healthcare Professionals.

Therefore, it is not necessary to send confirmations and requests for evaluation.

The abstracts are available at <https://2023.krt.com.hr> and <https://www.zrtd.org/>.

The organizational committee of the 5th Radiological Technology Congress with international participation, thanks the sponsors, the technical organizer, and others who contributed to the organization of the congress.



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Friday, October 27th

12:00- 16:00 Registration

16:00 Opening Ceremony - Welcoming speech and introduction

Plenary Session; 16:30-18:00

Session Chair: Nejc Mekiš, Vedrana Hertl, Tomislav Stanković

16:30 Emotional Literacy and “Ljiljana Pranjić foundation” - Live your dreams; **B. Šimleša** - invited speaker

17:00 The Croatian Chronicles - Unveiling the Intricacies of Norms, Standards and Radiology Financials in Croatia; **V. Bahun** - invited speaker, S. Peremin

17:30 PhD in the field of radiological technology; **T. Matijaš**

17:45 That is my image; **M. Blat**, N. Tolić, L. Šteko

18:00-18:15 Coffee Break

Plenary Session; 18:15-19:30

Session Chair: Marijana Jakopović, Tatjana Matijaš, Vladimir Bahun

18:15 Somalia; **D. Marelj**- invited speaker

18:45 Artificial intelligence - an opportunity or a threat to the radiological technologist profession; **F. Mihanović** - invited speaker

19:05 Burnout syndrome in radiology and radiologic technology profession; **M. Rajkovača** , M. Babić

19:20 Discussion

19:30 Dinner



Saturday, October 28th

Hall: Orlando A

Session: Interventional radiology and cardiology; 08:30 - 11:00

Session Chair: Branka Horvatinec, Marko Čičak, A. Borovina

- 8:30 Interventional Radiology procedures in surgical environments; **S. Svetlic** - invited speaker
- 8:50 Epidurolysis; **R. Bojkovski**, D. Gilja - poster
- 8:55 Endovascular treatment of subdural hematoma; **M. Čičak**, M. Filipović, A. Stipaničev, E. Mujaković
- 9:05 Techniques of endovascular treatment of intracranial aneurysms; **M. Čičak**, M. Filipović, A. Stipaničev, E. Mujaković
- 9:15 Treatment of ischemic stroke - mechanical thrombectomy; **M. Čičak**, M. Filipović, A. Stipaničev, E. Mujaković- poster
- 9:20 Radiation dose optimization in interventional radiology; **S. Svetlic** - invited speaker
- 9:40 MSCT for cardiac ablation planning; **M. Madžo**, M. Likić
- 9:50 Modern PCI; **B. Horvatinec**
- 10:00 MSCT Analysis: Comparison of lung veins before and after an invasive procedure in electrophysiology for detection of lung stenosis in PFA cryo and RF ablation methods; **A. Borovina**, I. Visković - Sponsored lecture
- 10:15 Proarrhythmogenicity comparison of atrial fibrillation ablation system: Cryoablation and pulsed electrical field ablation; **I. Visković** T. Batinić
- 10:25 Stereotactic arrhythmia radio-ablation; R. Delić Galović, **J. Trajković** , D. Brkić
- 10:40 Discussion
- 11:00 -11:10 Coffee Break

Session: Radiotherapy part 1; 11:10-13:00

Session Chair: Vedrana Hertl, Vedran Manestar, Marica Keser

- 11:10 Stress and successful stress management strategies; **B. Šimleša** - invited speaker
- 11:40 Image guidance in modern Radiotherapy; **P. Scherer** - invited speaker
- 11:55 Volumetric modulated arc therapy in radiation therapy of cervical and vaginal cancer - **M. Blažinić** , M. Lacković
- 12:05 Volumetric modulated arc therapy craniospinal irradiation; A. Kovačević, **G. Mitrić**
- 12:15 Application and advantages of specialized markers in radiological imaging; **V. Manestar** - sponsored lecture
- 12:30 Brain SRT/SRS –advanced approach in patient immobilization and reposition; **I. Čurić** - invited speaker



Saturday, October 28th

Hall: Orlando A

12:50 Discussion

13:00 - 14:00 Lunch

Session: Radiotherapy part 2; 14:00-16:00

Session Chair: Sanja Brezovec, Matea Brlošić, Ilija Čurić

14:00 Practical implementation of different respiratory gating techniques. RTTs point of view: **A. Kostovski** - invited speaker

14:20 Stereotactic ablative radiotherapy for inoperable locally advanced pancreatic cancer; **M. Keser** - invited speaker, M. Nožinić

14:40 SBRT for kidney cancer with intrafraction monitoring using Gold Anchor fiducial markers on the Accuray CyberKnife S7 System; **V. Asodi** , A. Kosmat, S. Brezovec

14:55 Stereotactic arrhythmia radioablation treatment; **R. Delić Galović** , J. Trajković, D. Brkić

15:10 A new era for Radiation Therapists (RTTs) - meeting the clinical and academic challenges; **Mary Coffey** - invited speaker

15:40 Transitioning from offline to online adaptive radiotherapy: The Role of RTTs - **D. Drljača**

15:50 Discussion

16:00 Coffee Break

Session: Radiotherapy part 3; 16:15-18:45

Session Chair: Vedrana Hertl, Aleksandar Kostovski, Mirela Blažinić

16:15 Skin marking methods: From line to dots; **M. Brlošić**, J. Glibušić- sponsored lecture

16:30 SGRT Clinical implementation: current practice and recommendations; **F. Cidade de Moura** - invited speaker

16:50 Back to basic: Positioning and immobilization in radiotherapy of breast cancer; **S. Jurilj**, V. Hertl

17:00 Workshop: Challenges for Radiation Therapists (RTTs); **M. Coffey, P. Scherer** - invited speakers

18:30 Discussion

19:00 Dinner



Saturday, October 28th

Hall: Orlando B

Session: Magnetic Resonance Imaging; 08:30-11:30

Session Chair: Milan Gržan, Barbara Juratović, Matija Hranić

- 8:30 Brain tumor enhancement patterns in Adults; **C. Saade - invited speaker**
- 9:00 Multiple sclerosis - new guidelines in diagnostics and monitoring; **I. Brežnjak**, J. Flegar
- 9:10 Technological comparison of 3T and 7T in brain imaging; **J. Martinović**, T. Matijaš
- 9:20 Spine MRI - spondylodiscitis; **M. Blat**, J. Kašić, T. Ivanović
- 9:30 Whole - body MRI in multiple myeloma; **D. Kurtović**, P. Maras
- 9:40 Alternative solutions in respiratory gating at abdominal MRI; **B. Kukić**
- 9:50 To get/grab a (MRI) Vibe; **M. Gržan**
- 10:05 MRI machines and gadolinium contrast agents - where are we going?; **K. Marinčević** - Sponsored lecture
- 10:20 Optimization of paramagnetic contrast agent application; **I. Fučkan** - Sponsored lecture
- 10:35 Sustainability and MRI: Keeping up with the times; **M. Hranić**, T. Jovanić
- 10:45 Pedagogical guidelines for preparing a patient with claustrophobia for an MRI examination; **Ž. Silić**, T. Jukić
- 11:00 Elbow MRI - Use of FABS position for visualization of the biceps brachii tendon; **B. Juratović**
- 11:10 Discussion
- 11:30 Coffee Break

Session: Computed Tomography imaging, novelties, and contrast agents; 11:45-14:00

Session Chair: Morana Madžo, Dražen Horvatinec, Tomislav Stanković

- 11:45 CT Motion; **D. Mihalj** - Sponsored lecture
- 12:00 Modern possibilities of installing automatic injectors at work sites; **S. Mandarić** - Sponsored lecture
- 12:15 Use of intravenous contrast agent and synchronization of CT imaging with hemodynamics; **R. Us**;
- 12:30 Use of radiography and Computed tomography in pregnancy; **T. Jerić**, M. Marinović Guić, V. Tolić
- 12:40 Lung cancer screening: Evidence; Techniques and AI; **S. Digumarthy** - Invited speaker
- 13:00 Revolution in radiology: Artificial intelligence and stroke; **J. Bagarić** - Sponsored lecture
- 13:15 Role of artificial intelligence in computed tomography dose optimization; M. Marasović, **L. Lerotić**, T. Tadić
- 13:25 Value of CT colonography in colorectal carcinoma diagnosis; **M. Ruić**, T. Matijaš
- 13:35 CT colonography; scanning and interpretation challenges; **S. Trtica**, S. Schmidt, T. Pavlović - Poster



Saturday, October 28th

Hall: Orlando B

13:40 Discussion

14:00-15:00 Lunch

Session: Computed Tomography imaging and interventions; 15:00-16:00

Session Chair: Monika Likić, Mateo Rajkovača, Tomislav Stanković

15:00 Computed tomography - through history into the future; **D. Horvatinec**, J. Žabkar, N. Vodopija

15:10 NAEOTOM ALpha - the world's first photon counting CT; **I. Mikulić** - Sponsored lecture

15:25 MSCT cerebral angiography; **B. Malnar Cazin** - Poster

15:30 CT - guided bone lesion biopsy; **I. Žutić, M. Ostojčić**

15:40 CT - guided percutaneous cryoablation of tumors; **T. Gluhak, H. Stipaničev**

15:50 Discussion

16:00 Coffee Break

Session: Computed Tomography imaging - building protocols; 16:00-18:30

Session Chair: Vladimir Bahun, Mateo Rajkovača, Tomislav Stanković

16:15 Analysis of positioning accuracy of the patient in the isocenter during computed tomography procedures in Clinical hospital center Rijeka; **A. Požgaj**

16:25 CT protocols and parameters; **S. Digumarthy** - Invited speaker

16:45 Workshop: Optimizing CT Protocols – From Indication to Reconstruction; **M. Kalra** - Invited speaker

18:30 Discussion

19:00 Dinner



Sunday, October 29th

Hall: Orlando A

Session: Nuclear Medicine imaging; 09:00-11:00

Session Chair: M. Eršek, D. Radunković

9:00 PET/CT - more than just FDG; **M. Köhner**, T. Kuwert - invited speaker

9:30 Brain death; **S. Vuković**, D. Štefanić

9:40 PET/CT in lung cancer diagnostics; **K. Šarec**

9:50 PET/CT in epilepsy diagnostics; **L. Ljubičić**

10:00 Lymphoscintigraphy of the lower extremities; **M. Eršek**, Ž. Kunović Fistrić, I. Blažeković

10:15 Ra-223 in the treatment of prostate cancer patients; **I. Rodin**, M. V. Kovačić - Poster

10:20 FAPI - the new molecule of the century?; **M. Köhner**, - invited speaker,
C. Schmidkonz, A. Ramming, T. Kuwert

10:50 Discussion

11:00 Coffee Break

11::30 Closing Ceremony

Hall: Orlando B

Session: Radiography and Teleradiology; 09:00-11:00

Session Chair: Marijana Jakopović, Tomislav Jovanić, Krunoslav Marinčević

9:00 - Teleradiology and technological innovations in radiology - the role of radiologists and radiologic technologists - **T. Salha** - Invited speaker

9:30 Teleradiology on the islands of the Primorsko - Goranska county - **K. Crnoja, M. Todorić** - Poster

9:35 Detection of pathological conditions using CBCT; **V. Duvnjak**, M. Višić - Poster

9:40 Truth or myth - CBCT machine as a renaissance of modern stomatology; **N. Gracić**, L. Barabaš - Poster

9:45 Orthopedic foot imaging; **A. Mesar**, B. Benceković - Poster

9:50 Comparison of neonatal chest - xray quality performed inside against outside incubator; **V. Ferčec**, F. Mihanović

10:00 Occupational radiation exposure; breast shielding; **T. Jovanić**, N. Šarić, M. Hranić

10:10 Mammographic imaging of augmented breasts; **I. Bušić**, M. Jakopović, J. Andrijanić, P. Kovčalijska

10:20 Radiological treatment of breast cancer; **K. Andreić** - Poster

10:25 The role of DBT-VAB in breast cancer detection; **D. Pranjić**, **N. Butorac**

10:35 Discussion

11:00 Coffee Break

11:30 Closing Ceremony

POINTS

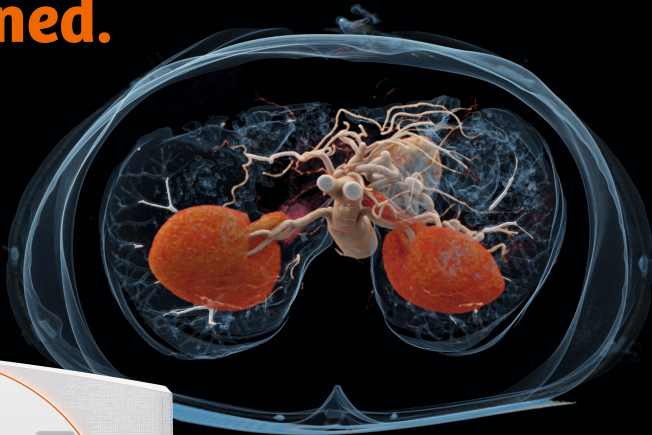
Following the Rulebook in question, the Committee for Education and Continuous Improvement evaluates the 5th Congress of Radiological Technology as a domestic congress with international participation. Participants who are members of the Vocational Class of Radiologic Technology, Croatian Chamber of Healthcare Professionals, scores will be assigned as follows:

- 10 points for passive participation
- 15 points for active participation
- Active participation as an invited lecturer brings an additional 2 points per category
- The first three authors have the right to evaluate active participation
- Other authors are given 1 point more per category for passive participation
- Co-authors of abstracts or posters, in case they were not present at the Congress, are awarded points for passive participation
- Scientific and Organizational Committee members are scored as active participants of the Congress.

To score the points, it is not necessary to submit individual requests for evaluation of continuous improvement. Scoring is automatically based on the registration of participants and submission of papers (authors/co-authors).

The abstracts are available at <https://2023.krt.com.hr> and <https://www.zrtd.org/>.

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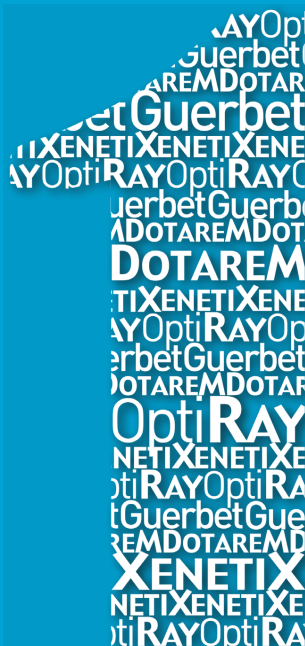
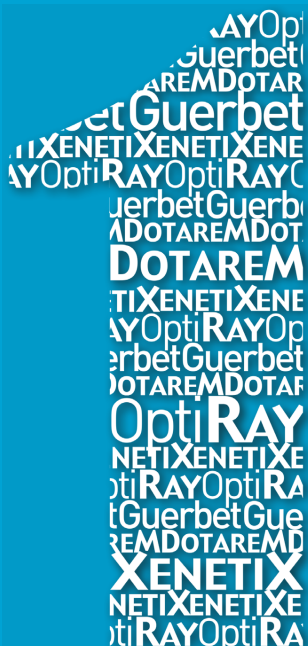
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