

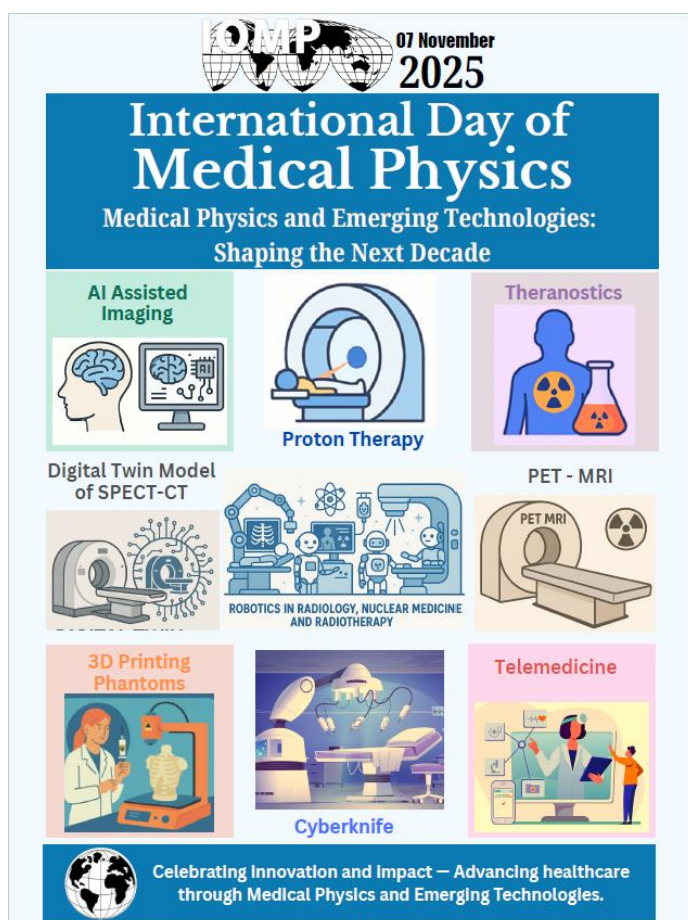
Symposium Programme

CROMPA Annual Meeting 2025

6th SYMPOSIUM

MEDICAL PHYSICS IN CROATIA

*Celebrating the
International Day
of Medical Physics*



7 November 2025
12 h



KBC Sestre milosrdnice
Multimedijalna dvorana
Vinogradska cesta 29, Zagreb

REGISTRATION



EXHIBITORS:

SIEMENS
Healthineers

 **eurokontakt**



ALTHEA LIFE
INTERNATIONAL

ORGANISERS:



Hrvatsko društvo za medicinsku fiziku
Croatian Medical Physics Association



Symposium Programme

12:00 - 12:15 Symposium opening

Medical physics in diagnostic and interventional radiology, and nuclear medicine

Chairs: Ivana Kralik and Hrvoje Brkić

12:15 - 12:27 Cumulative radiation exposure from recurrent CT examinations at UHC Zagreb: Three-year analysis

Marta Kolarek, University Hospital Centre Zagreb

12:27 - 12:39 Impact of Protocol Optimization on Radiation Dose and Image Quality in Pediatric Chest Radiography

Katarina Ružić, University Hospital Centre Zagreb

12:39 - 12:51 Estimation of fetal dose in abdominal radiography using pregnant female phantom Tena: computational study

Hrvoje Brkić, Faculty of Medicine, University of Osijek

12:51 - 13:03 Exposure of the Pediatric Population to Ionizing Radiation due to Computed Tomography Imaging

Ivana Bjelobrk, University Hospital Centre Osijek

13:03 - 13:15 Initiative for the Establishment of National Diagnostic Reference Levels for Interventional Radiology Procedures

Ivana Kralik, Dubrava University Hospital

13:15 - 13:27 Evaluation of the United Imaging uMI 780 PET/CT System: First Clinical and Technical Experience

Iva Ivanišić Risek, University Hospital Centre Osijek

13:27 - 13:32 **Group photo**

13:32 - 14:00 **Coffee break**

Medical physics in radiotherapy

Chairs: Željka Knežević Medija and Tomislav Bokulić

14:00 - 14:12 Dosimetric characterization of detectors for relative dosimetry in small static photon beams of Leksell Gamma Knife

Ana Kardum, School of Medicine, University of Zagreb

14:12 - 14:24 Implementation of Corrected Portal Dosimetry Model for VMAT Multiple Target SRS Plans at UPMC Hillman Cancer Center Hrvatska

Timor Grego, UPMC Hillman Cancer Center Hrvatska

14:24 - 14:36 Implementation of Gated SBRT Workflow at UPMC Hillman Cancer Center Hrvatska

Timor Grego, UPMC Hillman Cancer Center Hrvatska

14:36 - 14:48 Dosimetric verification analysis of VMAT breast treatment plans delivered using O-ring coplanar linear accelerator

Klara Dobrin, University Hospital Centre Zagreb

14:48 - 15:00 Commissioning of dosimetric equipment and source calibration for a new brachytherapy system

Vera Vujasinović, University Hospital Centre Sestre milosrdnice

15:00 - 15:12 Commissioning of Elekta Brachytherapy Gynaecological Applicators

Sara Sabljak, University Hospital Centre Sestre milosrdnice

15:12 - 15:45 **Coffee break**

Medical physics in radiotherapy and miscellaneous

Chairs: Mladen Kasabašić and Hrvoje Hršak

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| 15:45 - 15:57 | A novel BeO optically stimulated luminescence system for remote dosimetry audits in photon and electron radiotherapy beams
<i>Tomislav Bokulić, Faculty of Science, University of Zagreb</i> |
| 15:57 - 16:09 | Interfractional dose variations in CT based online adaptive stereotactic body radiation therapy for prostate cancer
<i>Giovanni Ursi, Radiochirurgia Zagreb</i> |
| 16:09 - 16:31 | Advanced Oncology Solutions: Accelerating access to optimized cancer care
<i>Pavel Kazantsev, Varian, a Siemens Healthineers company</i> |
| 16:31 - 16:43 | Verification of Monte Carlo absorbed dose calculation for Iris collimator on CyberKnife S7 system using in-house developed phantom
<i>Ivana Alerić, Radiochirurgia Zagreb</i> |
| 16:43 - 16:55 | From PrISMA project to future SAMIRA Joint Action
<i>Hrvoje Hršak, University Hospital Centre Zagreb</i> |
| 17:00 - 18:00 | CROMPA Annual Assembly meeting |
| 18:00 - 20:00 | Symposium reception and networking |