



Implementing verifiable oncological imaging by quality assurance and optimisation

The **i-Violin project** will satisfy the need to **optimise and harmonise oncological imaging procedures in Europe, build upon tools developed in other EC-funded projects and ensure their broad adoption.**

Key objectives:

- **Standardised optimisation in oncological imaging:** adapt and deploy tools for quantifiable image quality; validate software solutions for precise patient dose determination.
- **Implementation** in (university) hospitals across Europe.
- **Contribution to harmonised oncological imaging standards** through dissemination to interested healthcare providers.
- **Education and training** for radiologists, radiographers and medical physicists.
- **Dissemination of results** to policymakers and medical societies.

Latest project achievements:

- ▶ Set-up of future collaboration with the European Federation for Cancer Images (EUCAIM Project).
- ▶ Software tool adjustment for image quality assessment in other body regions and for broader applicability.
- ▶ New quality performance test for systems based on phantom studies developed for optimisation procedure in CT imaging.
- ▶ Education & Training: Organisation of 3 hands-on events at clinical partners' sites (Leuven, Ljubljana, Zagreb) and a public i-Violin webinar series.



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Register to our i-Violin webinars on Optimising CT Procedures and Radiation Protection in Oncology!



19/03/2024 – The process of justification of imaging examinations

26/03/2024 – CT Dosimetry | Image Quality Assessment

09/04/2024 – Dose management

16/04/2024 – Dose Reduction tools | Artificial Intelligence

Facts and figures

- **i-Violin runs from Sept. 2022 to Aug. 2024** and is coordinated by the European Institute for Biomedical Imaging Research (EIBIR), AT, with scientific coordination by Prof. Christoph Hoeschen, Otto-von-Guericke University Magdeburg, DE.
- It brings together a **multidisciplinary consortium** of **10 partners from 9 countries** including radiologists, radiographers, medical physicists, IT specialists, radiation protection regulators, as well as experienced project managers.
- **i-Violin supports:** Europe's Beating Cancer Plan, SAMIRA action plan, ESR EuroSafe Imaging, EURAMED strategic research agenda.

Follow our project



www.eibir.org/projects/i-violin/



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