



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.**

Our key objectives include:

- **Implementation of a standardised way of optimisation in oncological imaging approaches** in clinical practice by adapting and deploying tools for quantifiable image quality assessment as well as by validating **commercially available software solutions for patient dose determination in imaging procedures;**
- **Implementation of such tools and the proposed optimised procedures** in (university) hospitals throughout Europe;
- Dissemination of these tools and optimisation of procedures to interested hospitals and healthcare providers in Europe to contribute towards a **harmonised and standardised oncological imaging approach;**
- **Providing a suitable education and training programme** for radiologists, radiographers and medical physicists to be able to use the harmonisation tools;
- **Dissemination of the results** to policymakers, the medical societies and other relevant stakeholders.



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Facts and figures

- **Project coordinator:**
European Institute for Biomedical Imaging Research (EIBIR)
- **Scientific coordinator:**
Prof. Christoph Hoeschen
Otto-von-Guericke University Magdeburg, Germany
- **Runtime:** 1 September 2022 – 31 August 2024
- **Our consortium:** i-Violin 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.

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i-Violin fully supports the Europe's Beating Cancer Plan objective to ensure high standards in cancer care, the SAMIRA action plan and the EU4Health Programme's general objective of improving and fostering health in the European Union. The project is also in line with the ESR EuroSafe Imaging initiative and the EURAMED strategic research agenda.

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