



## Cardiac Complications and Cardiotoxicity of Radiation Therapy

Guest Editors:

**Dr. Sophie Jacob**

**Prof. Dr. Carlo De Asmundis**

**Prof. Dr. Juliette Thariat**

Deadline for manuscript  
submissions:

**closed (30 November 2023)**

### Message from the Guest Editors

Dear Colleagues,

Radiation therapy improves locoregional tumor control and the overall survival of patients with solid tumors, such as breast, lung, and esophageal cancers, and Hodgkin's lymphoma. Although the benefits of radiation therapy far outweigh the risk of developing subsequent cardiovascular diseases, there is ongoing debate regarding the safest radiation dose, which cardiac substructures are most sensitive to radiotherapy, and the most appropriate strategies for prevention.

The aim of this Special Issue is to provide an overview and new elements concerning the mentioned current debate on the cardiovascular complications and cardiotoxicity of radiation therapy. This could be covered by large epidemiological studies, clinical studies with advanced imaging and diagnostic techniques, and radiation dosimetry research, but also through radiobiological and mechanistic studies, as well as review articles.

Dr. Sophie Jacob  
Prof. Dr. Carlo De Asmundis  
Prof. Dr. Juliette Thariat





an Open Access Journal by MDPI

## Editor-in-Chief

### Prof. Dr. Thomas Brand

National Heart & Lung Institute,  
Imperial College London, South  
Kensington Campus, London  
SW7 2AZ, UK

## Message from the Editor-in-Chief

The primary goal of the *Journal of Cardiovascular Development and Disease (JCDD)*, ISSN 2308-3425) is to provide cardiovascular scientists a platform to publish their work in a quick and efficient way. Topics can range from studies designed to decipher the events underlying early heart development to studies focusing on the origins of congenital and acquired heart disease. Papers submitted to *JCDD* undergo a fast, yet thorough, peer-review process. In this process, we will apply strict ethical policies and standards. *JCDD* guarantees fast dissemination of results to a large scientific audience

## Author Benefits

**Open Access:**— free for readers, with [article processing charges \(APC\)](#) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), PubMed, PMC, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Cardiac and Cardiovascular Systems) / CiteScore - Q2 (General Pharmacology, Toxicology and Pharmaceutics)

## Contact Us

---

*Journal of Cardiovascular  
Development and Disease* Editorial  
Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/jcdd](http://mdpi.com/journal/jcdd)  
[jcdd@mdpi.com](mailto:jcdd@mdpi.com)  
[X@JCDD\\_MDPI](https://twitter.com/X@JCDD_MDPI)