

# Right ventricular angiography in permanent pacemaker implantation and in management of cardiac perforations

Citation for published version (APA):

Shenthar, J. (2023). *Right ventricular angiography in permanent pacemaker implantation and in management of cardiac perforations*. [Doctoral Thesis, Maastricht University]. Maastricht University. https://doi.org/10.26481/dis.20231003js

**Document status and date:** Published: 01/01/2023

DOI: 10.26481/dis.20231003js

**Document Version:** Publisher's PDF, also known as Version of record

### Please check the document version of this publication:

• A submitted manuscript is the version of the article upon submission and before peer-review. There can be important differences between the submitted version and the official published version of record. People interested in the research are advised to contact the author for the final version of the publication, or visit the DOI to the publisher's website.

• The final author version and the galley proof are versions of the publication after peer review.

• The final published version features the final layout of the paper including the volume, issue and page numbers.

Link to publication

#### General rights

Copyright and moral rights for the publications made accessible in the public portal are retained by the authors and/or other copyright owners and it is a condition of accessing publications that users recognise and abide by the legal requirements associated with these rights.

- Users may download and print one copy of any publication from the public portal for the purpose of private study or research.
- You may not further distribute the material or use it for any profit-making activity or commercial gain
- You may freely distribute the URL identifying the publication in the public portal.

If the publication is distributed under the terms of Article 25fa of the Dutch Copyright Act, indicated by the "Taverne" license above, please follow below link for the End User Agreement:

www.umlib.nl/taverne-license

#### Take down policy

If you believe that this document breaches copyright please contact us at:

repository@maastrichtuniversity.nl

providing details and we will investigate your claim.

## Right Ventricular Angiography in Permanent Pacemaker Implantation and in Management of Cardiac Perforations

## **Propositions**

1. Fluoroscopy alone does not allow accurate right ventricular mid-septal lead placement during permanent pacemaker implantation (this dissertation, chapter 2).

2. Permanent pacemaker implantation in congenital heart disease is challenging using conventional fluoroscopy (this dissertation, chapters 3, 4, 5, and 6).

3. Accurately performed alternate site pacing avoids pacing-induced cardiomyopathy (this dissertation, chapter 8).

4. Angiography should be preferred over other imaging modalities in managing cardiac perforations during electrophysiology procedures (this dissertation, chapter 7).

5. The notion of artificial intelligence replacing doctors in the future is more hype than hope.

6. Don't be discouraged by complications; use them as learning opportunities to avert such issues in the future.

7. Being a lifelong learner is a crucial attribute for a good doctor, as the field of medicine is continually evolving

8. Expanding physician training in right ventricular mid-septal pacing reduces pacinginduced cardiomyopathy and heart failure and will improve patient outcomes (this dissertation, impact).

9. The persistent existence of biological weapons represents an enduring threat to humanity.

Jayaprakash Shenthar 3 October 2023