

Multimodal image integration to better explain human ventricular tachyarrhythmias

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Stellingen behorend bij het proefschrift:

Multimodal Image Integration to Better Explain Human Ventricular Tachyarrhythmias

Job Stoks

Maastricht, 22 februari 2024

1. Multimodale beeldintegratie werkt synergetisch om hartritmestoornissen beter te begrijpen en behandelen: door gepersonaliseerde koppeling van elektrofysiologie, anatomie en weefselstructuur (dit proefschrift).
2. Vele individuele kenmerken van het normale hart, waaronder elektro-anatomische, kunnen statisch of dynamisch de vatbaarheid voor hartritmestoornissen beïnvloeden (dit proefschrift).
3. De maximale positieve afgeleide van de intracardiale unipolaire T-golf geeft accuraat weer wanneer lokaal hartweefsel gerepolariseerd is (dit proefschrift).
4. Standaardisatie van ECG-imaging bevordert de inbedding van deze modaliteit in het onderzoek en in de kliniek (dit proefschrift).
5. Het in kaart brengen van de spatiotemporele verhoudingen van repolarisatie van hartweefsel draagt bij aan de diagnose en behandeling van hartritmestoornissen (dit proefschrift).
6. Het is essentieel om bevindingen te delen, wat voor een onderzoeker uitdagender is met patiënten dan met vakgenoten.
7. Expertise op het snijvlak van meerdere domeinen overtroeft de uitdagingen die het met zich meebrengt.
8. "Factfulness is... Recognizing that a single perspective can limit your imagination, and remembering that it is better to look at problems from many angles to get a more accurate understanding and find practical solutions." (Hans Rosling)
9. Onderzoek langs meerdere disciplines, schalen en modaliteiten bevordert aanzienlijk het mechanistisch begrip van een ziekte.