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Substrate identification and treatment of right ventricular tachycardia: scar patterns and novel mapping tools

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Stellingen behorend bij het proefschrift getiteld

Substrate Identification and Treatment of Right Ventricular Tachycardia:

Scar Patterns and Novel Mapping Tools

J. Venlet

1. The epicardial RVOT is the Achilles heel of the RV in high-level endurance athletes. (this thesis)
2. Patients with exercised-induced arrhythmogenic remodelling can be successfully treated by ablation. (this thesis)
3. Epicardial puncture and mapping is rarely needed in patients with normal endocardial bipolar and unipolar voltages and right ventricular VT. (this thesis)
4. Current cut-off values for endocardial unipolar voltages in the RV overestimate the extent of epicardial scar. (this thesis)
5. CT scans can be used to identify areas with fibrofatty replacement as a substrate for VT in patients with ARVC. (this thesis)
6. In RV cardiomyopathies, epicardial areas are protected from direct endocardial to epicardial activation by intramural barriers that cause activation delay or block. These areas frequently harbor VT isthmus sites and can be identified by transmural activation delay in sinus rhythm. (this thesis)
7. Overall CT heterogeneity can be a valuable non-invasive tool contributing to the Task Force criteria for diagnosing ARVC.
8. EIAR is potentially the most severe end of a spectrum of RVOT ventricular arrhythmia in endurance athletes (from PVC one end of the spectrum to re-entry VT at the other side of the spectrum).
9. A normal cardiac echo and ECG as routine screening for elite athletes does not exclude a substrate for RVOT VT.
10. Excessive endurance training can be too much of a good thing. (La Gerche A et al., Heart Lung Circ. 2007;16 Suppl 3:S102-4;)
11. From success, you learn absolutely nothing. From failure and setbacks conclusions can be drawn (you learn more from your mistakes than from your successes). *Nicky Lauda, F1 driver*
12. Het schrijven van een proefschrift is net als wielrennen: het is een kwestie van een lange adem.