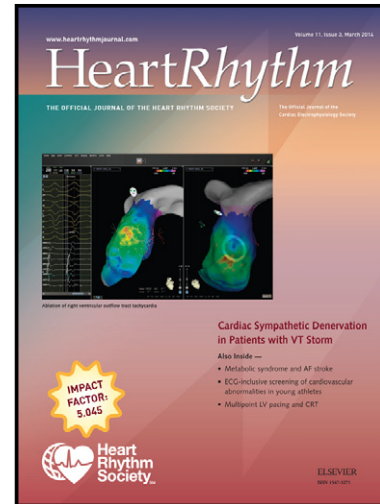


Author's Accepted Manuscript

Implantable Cardioverter-Defibrillator Harm in Young Patients with Inherited Arrhythmia Syndromes: A Systematic Review and Meta-Analysis of Inappropriate Shocks and Complications

Louise R.A. Olde Nordkamp M.D. Ph.D., Pieter G. Postema M.D. Ph.D., Reinoud E. Knops M.D., Nynke van Dijk M.D. Ph.D., Jacqueline Limpens Ph.D., Arthur A.M. Wilde M.D. Ph.D., Joris R. de Groot M.D. Ph.D.



www.elsevier.com/locate/buildenv

PII: S1547-5271(15)01177-7
DOI: <http://dx.doi.org/10.1016/j.hrthm.2015.09.010>
Reference: HRTM6430

To appear in: *Heart Rhythm*

Cite this article as: Louise R.A. Olde Nordkamp M.D. Ph.D., Pieter G. Postema M.D. Ph.D., Reinoud E. Knops M.D., Nynke van Dijk M.D. Ph.D., Jacqueline Limpens Ph.D., Arthur A.M. Wilde M.D. Ph.D., Joris R. de Groot M.D. Ph.D., Implantable Cardioverter-Defibrillator Harm in Young Patients with Inherited Arrhythmia Syndromes: A Systematic Review and Meta-Analysis of Inappropriate Shocks and Complications, *Heart Rhythm*, <http://dx.doi.org/10.1016/j.hrthm.2015.09.010>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting galley proof before it is published in its final citable form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Implantable cardioverter-defibrillator harm in young patients with inherited arrhythmia syndromes: a systematic review and meta-analysis of inappropriate shocks and complications

Authors: Louise R.A. Olde Nordkamp, M.D. Ph.D.¹, Pieter G. Postema, M.D. Ph.D.¹, Reinoud E. Knops, M.D.¹, Nynke van Dijk, M.D. Ph.D.², Jacqueline Limpens, Ph.D.³, Arthur A.M. Wilde, M.D. Ph.D.^{1,4}, Joris R. de Groot, M.D. Ph.D.¹

1. Heart Center, Department of Clinical and Experimental Cardiology, Academic Medical Center, Amsterdam, The Netherlands

2. Department of General Medicine, Academic Medical Center, Amsterdam, The Netherlands

3. Medical Library, Academic Medical Center, Amsterdam, The Netherlands

4. Princess Al-Jawhara Al-Brahim Centre of Excellence in Research of Hereditary Disorders, Jeddah, Kingdom of Saudi Arabia

Running title: ICD harm in inherited arrhythmia syndromes

Total word count: 4280

Conflict of interest: none

Address for reprints and corresponding author:

Joris R. de Groot
Academic Medical Center
Department of Cardiology
PO-Box 22700; 1100 DE Amsterdam
Tel: *31-20-5669111/Fax: *31-20-5669618
j.r.degroot@amc.uva.nl

Abstract

Background

Implantable cardioverter defibrillators (ICDs) are implanted with the intention to prolong life in selected patients with inherited arrhythmia syndromes, but ICD implantation is also associated with inappropriate shocks and complications.

Objective

We aimed to quantify the rate of inappropriate shocks and other ICD-related complications to be able to weigh benefit versus harm in these patients.

Methods

We performed a systematic review and meta-analysis on inappropriate shock and/or other ICD-related complication rates, including ICD-related mortality, in patients with inherited arrhythmia syndromes, i.e arrhythmogenic right ventricular cardiomyopathy/dysplasia, Brugada syndrome, catecholaminergic polymorphic ventricular tachycardia, hypertrophic

Download English Version:

<https://daneshyari.com/en/article/5959359>

Download Persian Version:

<https://daneshyari.com/article/5959359>

[Daneshyari.com](https://daneshyari.com)