



29545-Review

 Quotes Included
 Bibliography Included

 16%
 SIMILAR

 Name of Journal: *World Journal of Clinical Cases*

ESPS Manuscript NO: 29545

Manuscript Type: Minireviews

Externalized conductors and insulation failure in Biotronik defibrillator leads: History repeating or a false alarm?

Elia De Maria, Ambra Borghi, Lorenzo Bonetti, Pier Luigi Fontana, Stefano Cappelli

Abstract

Conductor externalization and insulation failure are frequent complications with the recalled St. Jude Medical Riata ICD leads. Conductor externalization is a “unique” failure mechanism: cables externalize through the insulation (“inside-out” abrasion) and appear outside the lead body. Recently, single reports described a similar failure also for Biotronik leads. Moreover, some studies reported a high rate of electrical dysfunction (not only

Match Overview

1	Crossref 201 words Swerdlow, Charles D., Gautham Kalahasty, and Kenneth A. Ellenbogen. "Implantable Cardiac Defibrillator Lead F...	5%
2	Crossref 148 words GOOD, ERIC D., IVAN CAKULEV, MICHAEL V. ORLOV, DAVID HIRSH, JOHN SIMELES, KELLY MOHR, PHIL MOLL, and	3%
3	Crossref 91 words Padfield, Gareth J., Christian Steinberg, Shahzad S. Karim, Stanley Tung, Matthew T. Bennett, John P. Le Maitre, and	2%
4	Internet 67 words crawled on 15-Oct-2016 f1000.com	2%
5	Publications 54 words "Findings on Cardiology Research Reported by Investigators at University of Bern (Failure rate and co", Medical Devi	1%
6	Crossref 51 words WUTZLER, ALEXANDER, PHILIPP ATTANASIO, WILHELM HAVERKAMP, and FLORIAN BLASCHKE. "Near-Fatal ICD...	1%



Externalized conductors and insulation failure in Biotronik defibrillator leads: f



全部

图片

新闻

视频

更多 ▾

搜索工具

找到约 13 条结果 (用时 0.57 秒)

Insulation failure and externalized conductor of a single-coil Kentrox ...

www.ncbi.nlm.nih.gov/pubmed/25302563 ▾ 翻译此页

作者: H Bogossian - 2015 - 被引用次数: 3 - 相关文章

2014年11月12日 - **Insulation failure** and **externalized conductor** of a single-coil Kentrox **lead**: an ... also reported externalization of conductors for dual-coil **Biotronik leads**. ... Kentrox single-coil implantable cardioverter **defibrillator (ICD) lead**.

缺少字词: history repeating false alarm

[Multiple inappropriate defibrillator shocks due to insulation failure of a ...

www.ncbi.nlm.nih.gov/pubmed/26848762 - 翻译此页

作者: H Elfarra - 2016

2016年2月5日 - [Multiple inappropriate **defibrillator** shocks due to **insulation failure** of a **Biotronik Linux defibrillator lead** with **externalized conductor**]. [Article in ...

缺少字词: history repeating false alarm

[PDF] Repetitive inappropriate implantable cardioverter defibrillator shocks ...

<https://www.escardio.org/.../Repetitive%20inappropriate%20implantable%20...> ▾ 翻译此页

作者: T Reichlin - 被引用次数: 2 - 相关文章

to **insulation failure** with **externalized conductor** cables of a **Biotronik Linux** ... due to **insulation failure** with externalization of conductor cables of an **ICD lead** from ...

缺少字词: history repeating false alarm

Safety Communications > Premature Insulation Failure in Recalled ...

www.fda.gov > ... > Medical Device Safety > Safety Communications ▾ 翻译此页

2015年1月12日 - **Insulation failure** may cause some of the electrical **conductors** inside Riata **leads** to move within (migrate), or move entirely outside (**externalize**), the outer **lead insulation**. ... **Lead insulation failure** may cause the **ICD lead** to malfunction. ... FDA believes it is reasonable to consider **repeat**

[全部](#)[图片](#)[新闻](#)[视频](#)[购物](#)[更多 ▾](#)[搜索工具](#)

找到约 17 条结果 (用时 0.53 秒)

Insulation failure and externalized conductor of a single-coil Kentrox ...

www.ncbi.nlm.nih.gov/pubmed/25302563 ▾ 翻译此页

作者: H Bogossian - 2015 - 被引用次数: 3 - 相关文章

2014年11月12日 - **Insulation failure** and **externalized conductor** of a single-coil Kentrox **lead**: an ... also reported externalization of conductors for dual-coil **Biotronik leads**. ... Kentrox single-coil implantable cardioverter **defibrillator (ICD) lead**.

缺少字词: history repeating false alarm

[PDF] St. Jude Medical ICD Lead Design and Long-Term Performance

https://professional.sjm.com/.../SJM_ICD_Lead_Design_and_Performance-J... ▾ 翻译此页

Lead design and common mechanical **lead failures**. = **Externalized** ... **PTFE Insulation**, **Conductor**, **Cables**, **Silicone**, **Insulation**, Optim **Insulated Durata™ lead** "Prevalence of **externalized** cables in St. Jude Riata family **ICD leads**... did not ...

缺少字词: biotronik history repeating false alarm

Pacemaker-ICD Lead Failure: Insulation and Externalized Conductors

<https://resusreview.com/2014/pacemaker-icd-lead-failure-insulation/> ▾ 翻译此页

2014年12月2日 - Understand the effects, how to diagnosis, and treatment of Pacemaker-ICD **lead failure** of silicone **insulation** and **externalized conductors**.

缺少字词: biotronik repeating false alarm

Externalized Conductor of a St. Jude Medical Riata Defibrillator Lead ...

www.eplabdigest.com/.../Externalized-Conductor-St-Jude-Medical-Riata-Def... ▾ 翻译此页

作者: DP Patel - 相关文章

Externalized Conductor of a St. Jude Medical Riata **Defibrillator Lead**: Case ... A 76-year-old man presented with a medical **history** of hypertension, dilated ... in cases of **insulation failure** observed in imaging in addition to some evidence of ...

[全部](#)[图片](#)[新闻](#)[视频](#)[更多 ▾](#)[搜索工具](#)

获得 10 条结果 (用时 0.72 秒)

Management of patients receiving implantable cardiac defibrillator ...

europace.oxfordjournals.org/content/early/2010/10/25/europace.euq316 ▾ [翻译此页](#)

2010年10月25日 - The **defibrillation lead** contains a coil at the level of the right ventricle ... disease, primary/secondary prevention indication, **history** of previous shocks, drug therapy, etc. ... Consider **external** DC shock, iv administration of amiodarone and /or in pacing impedance suggests **lead** or adaptor **insulation failure**.

Conductors, Insulators, and Electron Flow : Basic Concepts Of ...

www.allaboutcircuits.com > ... > [Basic Concepts Of Electricity](#) ▾ [翻译此页](#)

While **external** forces such as physical rubbing can force some of these electrons to leave their respective **atoms** and transfer to the atoms of another material, ...

缺少字词: **failure biotronic defibrillator leads history repeating alarm**

Insulator (electricity) - Wikipedia

[https://en.wikipedia.org/wiki/Insulator_\(electricity\)](https://en.wikipedia.org/wiki/Insulator_(electricity)) ▾ [翻译此页](#)

An electrical **insulator** is a material whose internal electric charges do not flow freely, and therefore make it nearly impossible to conduct an electric current under the influence of an electric field. This contrasts with other materials, semiconductors and **conductors**, which Feedlines attaching antennas to radio equipment, particularly twin **lead** type, ...

缺少字词: **externalized failure biotronic defibrillator repeating false alarm**

Insulators and Conductors

regentsprep.org/Regents/physics/phys03/ainsvscon/default.htm ▾ [翻译此页](#)

The animation at the left is showing a neutrally charged **conductor** and its response to charged objects being brought near it. In a **conductor** (usually metal) many ...

缺少字词: **externalized failure biotronic defibrillator leads history repeating false alarm**