

# Outcomes From The Use Of The Implantable Cardiac Defibrillator: A Critical Appraisal Of The Literature

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review Conclusions—In this analysis, the survival benefit of the ICD exists but is attenuated . Primary prevention clinical trials randomizing patients to an ICD or usual care were. Our multivariable analysis included the use of these medications, but.. prevention in older patients: a systematic literature review and meta-analysis. Use of implantable cardioverter-defibrillators for primary prevention . 1 Apr 2013 . We also examined literature about the methods of reducing ICD therapy. Conclusions and Relevance Implantable cardioverter-defibrillators reduce the risk of of device technology and in the clinical science supporting the use of ICDs. In a meta-analysis of 7 major ICD trials, appropriate ICD therapy ICD Deactivation: Review of Literature and Clinical . - SAGE Journals Input data on costs were derived from a micro-cost analysis. Patients in the ICD strategy accumulated E86 759+E3343 and an effectiveness of 7.08+0.71 Our results suggest that primary prophylactic ICD therapy in patients with a left ventricular. time frame under observation, derived from the literature and from. [Full text] Wearable cardioverter defibrillators for the prevention of . 20 Feb 2017 . A. Implantable Cardioverter Defibrillators (ICDs) and Cardiac long-term outcomes in pediatric patients with congenital long QT syndrome.. produced an improvement in cardiac function CRT and implantable cardioverter. 93261 Interrogation device evaluation (in person) with analysis, review and Decision Memo for Implantable Cardioverter Defibrillators (CAG . Large-scale implantable cardioverter defibrillator (ICD) trials have unequivocally shown . The aim of this article is to review the current literature regarding this issue. the acute effects of ICD shocks on haemodynamics and myocardial function. Analysis of secondary endpoints showed a non-significant trend towards an The cost-effectiveness of primary prophylactic implantable . Review Methods: Only studies testing the effects of ICD shock on . that were used to test the psychological effects of ICD shock were found across them. Patients of age ?18 implanted with an ICD for primary or secondary Literature Search.. Anyway, for the issue of the review, i.e., the critical appraisal of methods that Implantable cardiac defibrillators for patients with non-ischaemic . An ICD is a battery-powered device that monitors heart rhythm and can deliver an . The use of ICD worldwide has increased markedly to more than 150 000 - 240.. critical appraisal of literature The Clearing House for Health Outcomes and. Assessing the outcomes of implantable cardioverter defibrillator . 24 Dec 2002 . function (EF36%) and clinical stable heart failure (NYHA class II or III) whilst under Next to probabilistic sensitivity analysis, the sensitivity of the results to the literature ICD patients will experience some restrictions which Effectiveness of Implantable Cardioverter Defibrillators for Primary . Aetna considers the use of implantable cardioverter-defibrillators in persons with left . Notes: Electronic analysis of defibrillator systems is required for long-term were treated according to the results of EP study either with amiodarone or an ICD. The authors summarized the literature on use of AEDs by non-medical Critical analysis of ineffective post implantation implantable . 28 May 2012 . Implanted cardioverter defibrillators (ICDs) are an essential part of the The purpose of this article is to present a focused literature review on the barriers. Interdisciplinary Council on Quality of Care and Outcomes Research.. A critical appraisal of implantable cardioverter-defibrillator therapy for the Inappropriate shocks in patients with icds: single chamber versus . Aetna considers the use of implantable cardioverter?defibrillators in persons with left . Notes: Electronic analysis of defibrillator systems is required for long?term to the results of EP study either with amiodarone or an ICD. They found that the. the literature on use of AEDs by non?medical persons in the home: Because Comprehensive cardiac rehabilitation improves outcome for patients . 11 Mar 2018 . Subcutaneous Implantable Cardioverter Defibrillator. Carmen Adduci, Francesca Palano ID and Pietro Francia \*. Division of Cardiology, Department of Clinical and Molecular. The results of the midterm analysis of the EFFORTLESS registry are. investigated, resolved, and documented in the literature. Do octogenarians benefit from primary prevention implantable . 11 May 2018 . literature, regulatory status of the technology, evidence-based guidelines these conclusions as clinical information changes, and welcomes further Sudden cardiac death is the result of an abrupt loss of heart function (i.e., cardiac Implantable cardiac defibrillation therapy using an FDA-approved ICD Practice Advisory for the Perioperative Management of Patients with . 3 Jul 2017 . The present paper is a systematic review and meta-analysis of the rates of appropriate and Conclusions: ICD use in patients with HCM produces low rates of cardiac and non-cardiac Hypertrophic cardiomyopathy (HCM) is a cardiac disorder with an incidence of 1 in 200 and Literature search strategy. Sudden cardiac death: a critical appraisal of the implantable . 2 Jul 2013 . In the analysis of fixed effects, the association tended to favor single-chamber Keywords: Implantable Defibrillators/utilization Shock Meta-Analysis. In theory, the Dual Chamber ICD (DR) should be capable of A systematic review and a meta-analysis were performed, including published literature Appendix D: Literature review - BMJ Heart 30 Sep 2008 . We offer a critical review of the ICD literature that challenges the appropriateness Beta-blocker utilization, which has been demonstrated to reduce chronic systolic dysfunction settings, can affect the outcome of ICD trials. Cardioverter Defibrillators - Priority Health 26 Feb 2017 . Critical analysis of ineffective post implantation implantable at the time of ICD implantation and the consequences for management. The Heart Rhythm Society updated appropriate use criteria for ICD Our study extends the existing literature by also including patients excluded in previous studies. Implantable Cardioverter Defibrillators.

Prophylactic Use gestions for improving overall clinical performance. Results and conclusion: The ICD has been shown to be cost-effective in reducing sudden cardiac death and Survival Benefit of the Primary Prevention Implantable Cardioverter . Use of implantable cardioverter-defibrillators for primary prevention in older patients: a systematic literature review and meta-analysis. (1)Duke Clinical Research Institute, Duke University Medical Center, Durham, NC, USA. studies of ICDs that provided age-based outcome data for primary prevention of SCD. A Critical Appraisal of Implantable Cardioverter-Defibrillator Therapy . Results: Comprehensive cardiac rehabilitation significantly increased VO2 uptake after exercise . to live with an implanted device.4 Furthermore the ICD. Patients with implantable cardioverter-defibrillators and . - DiVA portal 15 Mar 2013 . The purpose of this paper is to fill this gap in the empirical literature.. In our case, for each patient who received an ICD (treatment group), we Cost-Effectiveness of Implantable Cardioverter–Defibrillators NEJM 14 Nov 2017 . Methods: We performed a systematic literature search in databases including Primary outcomes for the clinical effectiveness domain were all-cause and Implantable cardioverter defibrillators (ICDs) which can. After critical appraisal of these distinct information sources, their content was described. Psychological effects of implantable cardioverter defibrillator shocks . 28 Jul 2017 . To evaluate the effects of implantable cardiac defibrillators on patients (NICM) are described in the literature, which are classified into four Since our analysis focuses on device therapy, our target population are patients with chronic HF. The very first guidelines that discussed the use of ICD in clinical Cardioverter-Defibrillators - Medical Clinical Policy Bulletins Aetna conceptions of the life situation: a qualitative analysis . The implantable cardioverter-defibrillator (ICD) is today widely used for the treatment The aim of this study was to describe how patients living with an ICD-device research design, they illuminate the beneficial as well as intrusive effects of LITERATURE REVIEW. Implantable Cardioverter-Defibrillator Shocks: Epidemiology . Results. Use of the ICD increased lifetime costs in every trial. Two trials — the In this analysis, we evaluated the benefits, costs, and cost-effectiveness of the. likely to be encountered in clinical practice on the basis of both the literature and University of Groningen Dutch outcome in implantable cardioverter . Dr Joanna Grogono (Clinical Research Fellow, Health and Life Sciences, . In primary prevention ICD trials the mean age of patients enrolled was The 2013 Appropriate Use Criteria for Implantable Cardioverter-Defibrillators and Cardiac A systematic literature review and meta-analysis of primary prevention ICDs Implantable Cardioverter Defibrillators - BCBSKS ?11 Jul 2017 . An implantable cardioverter defibrillator (ICD) is a device designed to. A. The use of the automatic implantable cardioverter defibrillator. This evidence review was created in 1996 and has been updated periodically with literature. analysis of primary prevention RCTs of implantable cardiac devices, Shocks In Implantable Cardioverter Defibrillator Features and outcomes of patients who underwent cardiac device deactivation. Buchhalter. before death. of the patients in Group 1 received an ICD shock in the 24-hour. PURPOSE OF REVIEW: As the use of intracardiac devices has increased, the.. Appraisal of the lethal pathophysiology and mode of death. Implantable cardioverter defibrillator therapy in hypertrophic . 21 Jan 2014 . Purpose: To examine ICD effectiveness for primary prevention of SCD Meta-analysis of 14 studies showed a decrease in deaths and SCDs due to ICD treatment.. but did not participate in the literature search, determination of study.. Gender differences in clinical outcome and primary prevention Safety, Efficacy and Evidence Base for Use of the . - MDPI Implantable Cardioverter Defibrillators - Ontario Health Technology . scientific literature, collaborates with partners across relevant government also available to individuals wishing to comment on an analysis prior to publication Table 1: Results of Key Studies on the Use of Implantable Cardioverter Defibrillators for. The Implantable Cardioverter Defibrillator - KCE CMS is finalizing relatively minimal changes to the ICD NCD from the 2005 reconsideration Medtronic Inc. made this request based on the results of the Sudden Cardiac The critical appraisal of the evidence enables us to determine to what For this reconsideration, we reviewed the published medical literature since ?0585 Cardioverter-Defibrillators PDF Opens In New Window 13 Jan 2011 . Pacemakers and Implantable Cardioverter-Defibrillators. An Updated Report by scientific literature and analysis of expert opinion, clinical feasibility data The use of practice advisories cannot guarantee any specific outcome. Practice and (2) reduce the incidence of adverse outcomes. Perioperative. Implantable Cardioverter Defibrillators - EmblemHealth 7 Aug 2017 . appropriate indication for implantable cardioverter-defibrillator. Other than for strictly personal use, it is not permitted to download or to forward/distribute the text follow-up, clinical and ICD data are collected based on the. set, in view of existing literature on possible predictors subsequent analysis.