

Name of journal: *World Journal of Orthopedics*

Manuscript NO: 35800

Manuscript Type: SYSTEMATIC REVIEWS

Antibiotic bone cement's effect on infection rates in primary and revision total knee arthroplastys

Kleppel D *et al.* AIBC effect on TKA infection rates

Donald Kleppel, Jacob Stirton, Jia-Yong Liu, Nabil A Ebraheim

#### Abstract

##### AIM

To compare <sup>1</sup>infection rates in primary and revision total knee arthroplasty (TKA) procedures using antibiotic impregnated bone cement (AIBC) to those rates in procedures not using AIBC.

##### METHODS

<sup>9</sup>A systematic review and meta-analysis was conducted in search for randomized controlled trials/studies (RCTs) pertaining to the field of antibiotic AIBC *vs* non-AIBC groups in both primary and revision TKA procedures. The primary literature search performed was to identify all RCTs that assessed AIBC in primary and revision TKA procedures. This search was done strictly through the PubMed database using the

#### 符合内容总览

|   |  |     |
|---|--|-----|
| 1 | 互联网 36 个字<br>于 2013年09月03日 缓慢进行<br><a href="http://jbjs.org">jbjs.org</a>  | 1%  |
| 2 | Crossref 35 个字<br>F.-Y. Chiu, "Antibiotic-Impregnated Cement in Revision Total Knee Arthroplasty, A Prospective Cohort Study of C... | 1%  |
| 3 | Crossref 33 个字<br>The Knee Joint, 2012.  | 1%  |
| 4 | 互联网 32 个字<br>于 2016年01月12日 缓慢进行<br><a href="http://journals.plos.org">journals.plos.org</a>  | 1%  |
| 5 | 互联网 27 个字<br>于 2017年06月04日 缓慢进行<br><a href="http://link.springer.com">link.springer.com</a>  | 1%  |
| 6 | 互联网 26 个字<br>于 2016年12月15日 缓慢进行<br><a href="http://bmcinfectdis.biomedcentral.com">bmcinfectdis.biomedcentral.com</a>                | <1% |
| 7 | 互联网 22 个字<br>于 2012年12月20日 缓慢进行<br><a href="http://www.medworm.com">www.medworm.com</a>  | <1% |
| 8 | 互联网 22 个字<br>于 2016年12月29日 缓慢进行<br><a href="http://researchdirect.westernsydney.edu.au">researchdirect.westernsydney.edu.au</a>      | <1% |



您是不是要找:

### Antibiotic bone cements: their use in routine primary total joint arthroplasty is justified

MJ Dunbar - Orthopedics, 2009 - healio.com

... compared to treating an established infection with a high dose of antibiotics in a ... Influence of antibiotic impregnation on the fatigue life of Simplex P and Palacos R acrylic ... of bloodstream infections in European medical centres by the SENTRY Antimicrobial Surveillance Program ...

被引用次数: 53 相关文章 所有 6 个版本 引用 保存

### Prophylactic use of antibiotic bone cement: an emerging standard—in the affirmative1 1No benefits or funds were received in support of this study.

RB Bourne - The Journal of arthroplasty, 2004 - Elsevier

... Long-term elution of antibiotics from bone cement: an in vivo study using the prosthesis of antibiotic-loaded acrylic cement (PROSTALAC) system. J Arthroplasty, 13 (1998), p. 331. 5; O Robertsson, K Knutson, S Lewold, et al. ....

被引用次数: 95 相关文章 所有 7 个版本 引用 保存

### Cost-effectiveness of antibiotic-impregnated bone cement used in primary total hip arthroplasty

JS Cummins, IM Tomek, SR Kantor, O Furnes... - JBJS, 2009 - journals.lww.com

Background: Antibiotic-impregnated bone cement is infrequently used in the United States for primary.

被引用次数: 72 相关文章 所有 11 个版本 引用 保存

### Infection burden for hip and knee arthroplasty in the United States

SM Kurtz, E Lau, J Schmier, KL Ong, KE Zhao... - The Journal of ..., 2008 - Elsevier

... However, little information is available regarding the current treatment patterns and economic impact of infected joint arthroplasties from a nationwide perspective [5]. ... We examined the incidence of infection (ie, the infection burden) for specific procedures, and it was ...

被引用次数: 536 相关文章 所有 6 个版本 引用 保存

### Use of Antibiotic - Impregnated Cement in Total Joint Arthroplasty

TN Joseph, AL Chen, PE Di Cesare - Journal of the American ..., 2003 - journals.lww.com

The use of antibiotic - impregnated cement in revision of total hip arthroplasty procedures is widespr.

被引用次数: 183 相关文章 所有 8 个版本 引用 保存

### The infected total knee arthroplasty: Just when you thought it was over1 1No benefits or funds were received in support of this study.

FF Buechel - The Journal of arthroplasty, 2004 - Elsevier

... Then, oral antibiotics should be considered for 3 to 6 additional months under the supervision of an infectious disease consultant. ... The effect of antibiotic-impregnated bone cement. Clin





Antibiotic bone cement's effect on infection rates in primary and revision total



文章

找到约 7,280 条结果 (用时0.15秒)

时间不限

2017以来

2016以来

2013以来

自定义范围...

按相关性排序

按日期排序

不限语言

中文网页

简体中文网页

☐ 包括专利

☐ 包含引用

创建快讯

您是不是要找: Antibiotic bone **cement** effect on infection rates in primary and revision total knee **arthroplasties**

小提示: 只搜索中文(简体)结果, 可在 [学术搜索设置](#) 指定搜索语言

Antibiotic prophylaxis in total hip arthroplasty Effects of antibiotic prophylaxis systemically and in bone cement on the revision rate of 22,170 primary hip replacements ...

[PDF] tandfonline.com

L Engesaeter, SA Lie, B Espehaug... - Acta Orthopaedica ..., 2003 - Taylor & Francis  
... (2001) concluded, "the prophylactic use of anti-biotic-loaded bone cements for primary ... was found when antibiotic-impregnated cement was combined with systemic antibiotic prophylaxis (Chiu et al ... Good results with the combination of systemic antibiotics (isoxazoly-penicillin or ...

☆ 99 被引用次数: 358 相关文章 所有 8 个版本

Treatment of the infected total knee arthroplasty with insertion of another prosthesis; The effect of antibiotic-impregnated bone cement.

AD Hanssen, JA Rand, DR Osmon - Clinical orthopaedics and ..., 1994 - journals.lww.com  
... Antibiotic-impreg- nated cement heads for local antimicrobial deliv- ery were used in ... to Revision Bone Cement Cement Antibiotic FU (days) (days) at Revision Antibiotic (grams/batch ... of Spacer debridements Spacer Antibiotics • ■ -■ Tobramycin 28 43 NO 56 Bock Tobramycin ...

☆ 99 被引用次数: 216 相关文章 所有 8 个版本

Prosthetic joint infection risk after total hip arthroplasty in the Medicare population

KL Ong, SM Kurtz, E Lau, KJ Bozic, DJ Berry... - ... Journal of arthroplasty, 2009 - Elsevier  
... Cox regression was used to evaluate the effects of patient factors (age, sex ... metabolic/endocrine, neurologic, and hematologic conditions, had a cumulative effect on the ... nature of the database, some clinical information such as the use of antibiotic bone cement, surgical approach ...

☆ 99 被引用次数: 323 相关文章 所有 6 个版本

[全部](#)[图片](#)[新闻](#)[视频](#)[更多](#)[设置](#)[工具](#)

找到约 157,000 条结果 (用时 0.58 秒)

显示的是以下查询字词的结果: Antibiotic bone **cement** effect on infection rates in primary and revision total knee **arthroplasties**

仍然搜索: Antibiotic bone cement's effect on infection rates in primary and revision total knee arthroplastys

Google 学术: Antibiotic bone cement effect on infection rates in primary and revision total knee arthroplasties

... on the revision rate of 22,170 primary hip replacements ... - Engesaeter - 被引用次数: 358

Treatment of the infected total knee arthroplasty with ... - Hanssen - 被引用次数: 217

Antibiotic-loaded bone cement for infection prophylaxis ... - Jiranek - 被引用次数: 299

Prophylactic use of antibiotic-loaded bone cement in primary total ...

<https://www.ncbi.nlm.nih.gov> > NCBI > Literature > PubMed Central (PMC) - 翻译此页

作者: AK Srivastav - 2009 - 被引用次数: 23 - 相关文章

The routine use of antibiotic-loaded bone cement (ALBC) during primary or uninfected ... Total knee arthroplasty (TKA) has a higher infection rate than total hip ... of antibiotic cement in 95% of revision hip or knee arthroplasty, and a variation .... the effect of the gentamicin-loaded bone cement on mouse calvarial cultures and ...

Use of antibiotic-loaded cement in total knee arthroplasty - NCBI - NIH

<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4686435/> - 翻译此页

作者: P Hinarejos - 2015 - 被引用次数: 8 - 相关文章

跳到 ECONOMIC COST OF ALBC - The additional cost of using commercially available ALBC with ... as the costs for revision of a TKA for infection has been ... using ALBC in all primary hips is not cost-effective unless the RR for infection using plain bone cement was  $\geq 2.4$  than using ALBC, but this is not the case[68]