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**Dual antibiotic loaded bone cement in patients at high infection risks in arthroplasty:
Rationale of use for prophylaxis and scientific evidence**

Berberich *et al.* Minireview prophylactic efficacy of dual ALBC

Abstract

In view of the demographic changes and projected increase of arthroplasty procedures worldwide, the number of prosthetic joint infection (PJI) cases will naturally grow. Therefore, in order to counteract this trend more rigid rules and a stricter implementation of effective preventive strategies is of highest importance. In the absence of a “miracle weapon” priorities should lie in evidence-based measures including preoperative optimization of patients at higher infection risks, the fulfilment of strict hygiene rules in the operating theatre and an effective antibiotic prophylaxis

Match Overview

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| 1 | Crossref 26 words Andréa Cara, Mathilde Ballet, Claire Hemery, Tristan Ferry, Frédéric Laurent, Jérôme Josse. "Antibiotics in Bone Cements" | 1% |
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We further present preliminary **evidence** that the **use** of a reinforced local **antibiotic prophylaxis** regimen with **high-dose dual antibiotic-loaded bone cement** may be an effective and easy-to-apply option **in patients at high infection risks**. Keywords: **arthroplasty**, prosthetic joint **infection**, **antibiotic prophylaxis**, risk for **infection**, risk ...

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Antibiotic-loaded **bone cement** (ALBC) is broadly used to treat orthopaedic infections based on the **rationale** that **high**-dose local delivery is essential to eradicate biofilm-associated bacteria. ... or low-dose ALBC for **use** during primary **arthroplasty** as a **prophylaxis**, or in the second stage reconstruction for MSKI. ... pathway to seek ...

Cited by: 12**Author:** Edward M. Schwarz, Alex C. McLaren, T...**Publish Year:** 2021

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Use of antibiotic-loaded **bone cement** for **prophylaxis** against **infection** in the second stage of a