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Basic Study

Role of fast-setting cements in arthroplasty: A comparative analysis of characteristics

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Abstract

AIM

To evaluate the behaviour of two fast-setting polymethylmethacrylate (PMMA) cements CMW® 2G and Palacos® fast R + G, as reference: standard-setting Palacos® R + G.

Match Overview

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作者: JCJ Webb - 2007 - 被引用次数: 152 - [相关文章](#)

surgery. It has a central **role** in the success of total **joint replacement** and is also used in ... ment **analysis**. 19 In vitro studies have shown that the pro- duction of heat is ... and **setting** time of **cement**, 11 a cause for concern when con- sidering ... **characteristics** of PMMA are key to this success. **Comparative** in-vitro activity of.

Polymethylmethacrylate bone cements and additives: A review of the ...

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2013年4月18日 - This review explores the development of bone **cements**, the **role** of ... had more adaptable biological **characteristics**[4] and which he marketed ... A common complication of cemented **arthroplasty** is loosening of the cemented prosthesis. ... additives, like antibiotics, in **comparison** to those in powder form[14].

Effect of cementing technique and cement type on thermal necrosis in ...

onlinelibrary.wiley.com/doi/10.1002/jor.21512/pdf - [翻译此页](#)

作者: D Janssen - 2012 - 被引用次数: 14 - [相关文章](#)

2011年8月22日 - in Hip Resurfacing **Arthroplasty**—A Numerical Study ... Keywords: finite element **analysis**; bone **cement**; thermal necrosis; hip resurfacing ... The polymerization **characteristics** of three of these while **faster setting cements** should be used for high ... case-specific **comparison** with the temperature meas-.

Acrylic bone cement in total joint arthroplasty: A review - Saleh - 2016 ...

onlinelibrary.wiley.com/doi/10.1002/jor.23184/full - [翻译此页](#)

2016年2月29日 - **Set** citation alert ... Acrylic bone **cement** has a variety of applications in orthopedic surgery. ... **role** bone **cement** plays in the success of total joint **arthroplasty** can ... of the mechanical properties related to bone **cement**, a **comparison** to ... in viscosity of PMMA **cement** is associated

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... and mechanical properties of acrylic bone cements - Pascual - 被引用次数：126

Bone cement - NCBI - NIH

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作者：R Vaishya - 2013 - 被引用次数：26 - 相关文章

2013年12月15日 - The knowledge about the bone cement is of paramount importance ... Keywords: Bone cement, Joint replacement, Arthroplasty, Antibiotic, Viscosity ... Variations in humidity affect the cement handling characteristics and setting time. ... the cement viscosity increases, slowly at first, then later more rapidly (Fig ...

^[PDF] The role of polymethylmethacrylate bone cement in ... - Bone & Joint

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surgery. It has a central role in the success of total joint replacement and is also used in ... It focuses on its mechanical and chemical properties and links these to its clinical ... The viscosity rapidly ... ment analysis.19 In vitro studies have shown that the pro- ... and setting time of cement,11 a cause for concern when con-

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Once the **cement** had cured, sagittal sections were prepared and **analyzed** for **cement** ... cementation of the tibial base plate during total knee **arthroplasty** (TKA). ... The intrusion depth of bone **cement** is thought to be a combined **function** of bone ... IN) typically have **faster** time to "dough" than other bone **cements** with lower ...

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ensuring a long-term success of the **arthroplasty**, as it influences the **cement** ... High viscosity **faster-setting cements** may significantly reduce operating room ...

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