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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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[\[PDF\] The role of polymethylmethacrylate bone cement in modern ...](#)

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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 ...](#)

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

作者: M Arora - 2013 - 被引用次数: 27 - [相关文章](#)

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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... the properties of a glass-ionomer bone **cement** - Wood - 被引用次数: 67

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

Bone cement - NCBI - NIH

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

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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作者: J C J Webb - 2007 - 被引用次数: 170 - 相关文章

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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Intrusion Characteristics of High Viscosity Bone Cements for the Tibial ...

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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 ...

[PDF] **The influence of cement viscosity on cement mantle in total knee ...**

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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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