

Accepted Manuscript

Mid-Term Prospective Comparative Analysis of Two Hard-on-Hard Bearing Total Hip Arthroplasty Designs

J. Ryan Martin, M.D., Jason M. Jennings, M.D., Tyler S. Watters, M.D., Dan L. Levy, B.S., Todd M. Miner, M.D., Douglas A. Dennis, M.D., Adjunct Professor, Assistant Clinical Professor

PII: S0883-5403(18)30056-1

DOI: [10.1016/j.arth.2018.01.019](https://doi.org/10.1016/j.arth.2018.01.019)

Reference: YARTH 56340

To appear in: *The Journal of Arthroplasty*

Received Date: 10 November 2017

Revised Date: 15 January 2018

Accepted Date: 17 January 2018

Please cite this article as: Martin JR, Jennings JM, Watters TS, Levy DL, Miner TM, Dennis DA, Mid-Term Prospective Comparative Analysis of Two Hard-on-Hard Bearing Total Hip Arthroplasty Designs, *The Journal of Arthroplasty* (2018), doi: 10.1016/j.arth.2018.01.019.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Mid-Term Prospective Comparative Analysis of Two Hard-on-Hard Bearing Total Hip Arthroplasty Designs

J. Ryan Martin M.D.¹

Jason M. Jennings M.D.²

Tyler S. Watters M.D.³

Dan L. Levy B.S.²

Todd M. Miner M.D.²

Douglas A. Dennis M.D.^{2,4-6}

¹OrthoCarolina, Charlotte, North Carolina

²Colorado Joint Replacement, Denver, Colorado

³Raleigh Orthopaedic Clinic, Raleigh, NC 27612

⁴Adjunct Professor, Dept. of Biomedical Engineering, University of Tennessee

⁵Adjunct Professor of Bioengineering, University of Denver

⁶Assistant Clinical Professor, Dept. of Orthopaedics, University of Colorado School of Medicine

Correspondence to:

Douglas A. Dennis, MD
Colorado Joint Replacement
2535 S Downing St Suite 100
Denver, CO 80210
E-mail: roseannjohnson@centura.org

متن کامل مقاله

دریافت فوری ←

ISIArticles

مرجع مقالات تخصصی ایران

- ✓ امکان دانلود نسخه تمام متن مقالات انگلیسی
- ✓ امکان دانلود نسخه ترجمه شده مقالات
- ✓ پذیرش سفارش ترجمه تخصصی
- ✓ امکان جستجو در آرشیو جامعی از صدها موضوع و هزاران مقاله
- ✓ امکان دانلود رایگان ۲ صفحه اول هر مقاله
- ✓ امکان پرداخت اینترنتی با کلیه کارت های عضو شتاب
- ✓ دانلود فوری مقاله پس از پرداخت آنلاین
- ✓ پشتیبانی کامل خرید با بهره مندی از سیستم هوشمند رهگیری سفارشات