

4-1-2019

## Clinical and functional impairment after nonoperative treatment of distal biceps ruptures

Christopher C. Schmidt  
*University of Pittsburgh Medical Center*

Brandon T. Brown  
*University of Pittsburgh*

Daniel L. Schmidt  
*Purdue University*

Michael P. Smolinski  
*University of Pittsburgh*

Thomas Kotsonis  
*University of Pittsburgh*

*See next page for additional authors*

Follow this and additional works at: <https://ir.lib.uwo.ca/boneandjointpub>



Part of the [Medicine and Health Sciences Commons](#)

---

### Citation of this paper:

Schmidt, Christopher C.; Brown, Brandon T.; Schmidt, Daniel L.; Smolinski, Michael P.; Kotsonis, Thomas; Faber, Kenneth J.; Graham, Kraig S.; Madonna, Tyler J.; Smolinski, Patrick J.; and Miller, Mark Carl, "Clinical and functional impairment after nonoperative treatment of distal biceps ruptures" (2019). *Bone and Joint Institute*. 391.

<https://ir.lib.uwo.ca/boneandjointpub/391>

---

**Authors**

Christopher C. Schmidt, Brandon T. Brown, Daniel L. Schmidt, Michael P. Smolinski, Thomas Kotsonis, Kenneth J. Faber, Kraig S. Graham, Tyler J. Madonna, Patrick J. Smolinski, and Mark Carl Miller

# RETRACTED: Clinical and functional impairment after nonoperative treatment of distal biceps ruptures

Christopher C. Schmidt, MD<sup>a</sup>, Brandon T. Brown, MS<sup>b</sup>, Daniel L. Schmidt<sup>c</sup>, Michael P. Smolinski, BS<sup>d</sup>, Thomas Kotsonis, BS<sup>d</sup>, Kenneth J. Faber, MD, MHPE, FRCSC<sup>e</sup>, Kraig S. Graham, MD<sup>f</sup>, Tyler J. Madonna, BS<sup>e</sup>, Patrick J. Smolinski, PhD<sup>e</sup>, Mark Carl Miller, PhD<sup>e</sup>

<sup>a</sup>*Department of Orthopaedic Surgery, University of Pittsburgh Medical Center, Pittsburgh, PA, USA*

<sup>b</sup>*Department of Bioengineering, University of Pittsburgh, Pittsburgh, PA, USA*

<sup>c</sup>*Department of Mechanical Engineering, Purdue University, West Lafayette, IN, USA*

<sup>d</sup>*Department of Mechanical Engineering, University of Pittsburgh, Pittsburgh, PA, USA*

<sup>e</sup>*Roth McFarlane Hand and Upper Limb Center, St. Joseph's Health Care, University of Western Ontario, London, ON, Canada*

<sup>f</sup>*Department of Orthopaedic Surgery, Maryview Hospital, Suffolk, VA, USA*

This article has been retracted: please see Elsevier Policy on Article Withdrawal (<https://www.elsevier.com/about/our-business/policies/article-withdrawal>).

This article has been retracted at the request of the corresponding author and the Human Research Protection Office of the University of Pittsburgh, in conjunction with the policies of their Institutional Review Board (IRB), because IRB Number PR 013110590 had not been granted at the University of Pittsburgh.