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An Overlooked Reference

Joseph D. Zuckerman

Professor and Chairman NYU Langone Orthopedic Hospital

This study by Kammerlander et al. used an insole force sensor to measure true postoperative weight bearing among patients over the age of 75 treated for hip fracture, compared to weight bearing among patients 18 to 40 years old treated for ankle fracture. In the final paragraph of the article, the authors state: "To the best of our knowledge, the present study is the first comparative trial investigating the real load applied to the affected limb using an insole force sensor in elderly patients with hip fracture trained to maintain partial weight-bearing following fracture fixation."

I found it surprising that the authors did not reference the article we published in 1998 entitled "Postoperative Weight-bearing After a Fracture of the Femoral Neck or an Intertrochanteric Fracture" (1). In this study, we utilized computerized gait testing using an insole force sensor to evaluate elderly patients following hip fracture. We found that when allowed to bear weight, patients with femoral neck or intertrochanteric fractures voluntarily limited loading of the injured limb. Although this was not a "comparative study," it utilized methodology very similar to that used in the Kammerlander et al. article and arrived at a very similar conclusion. If our 1998 article had been published in an obscure medical journal, it could have been easily overlooked. However, *The Journal of Bone & Joint Surgery* is certainly not an obscure journal.

References

 Koval, K.J., Sala, S.A., Kummer, F.J. and Zuckerman, J.D. Postoperative Weight-bearing After a Fracture of the Femoral Neck or an Intertrochanteric Fracture. J. Bone Joint Surg. 1998 Mar;80A:352-356. PMID: 9531202

Conflict of Interest: None Declared