

# KNEEKG™ IN THE LITERATURE

Lustig S, Magnussen RA, Cheze L, Neyret P.

**The KneeKG system: a review of the literature.**

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## Arthroplasty

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- Dunbar M. 2017 *Objective Knee Functional Assessment to Document Appropriateness for Total Knee Arthroplasty.* Presented at AAOS Poster tour Arthroplasty
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## Sports Medicine

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## Osteoarthritis

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- Cagnin, A., et al. (2019). *Impact of a Personalized Home Exercise Program for Knee Osteoarthritis Patients on Physical Examination Outcomes: A Cluster Randomized Controlled Trial.* Canadian Journal of Pain, 3(1), A62–A63.
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# KNEEKG™ VALIDATION AND USE IN CLINICAL STUDIES

## Key validation studies

- Labbé D.R. et al. 2008 **Reliability of a Method for Analyzing Three-Dimensional Knee Kinematics during Gait**. *Gait & Posture*, 28, pp. 170-174
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- Mannering, N. et al. 2017 **Three-dimensional knee kinematic analysis during treadmill gait**. *Bone Joint Research*, 6(8), 514–521.
- Renaud A et al. 2016 **Clinical and Biomechanical Evaluations of Staged Bilateral Total Knee Arthroplasty Patients With Two Different Implant Designs**. *The Open Orthopaedics Journal*. May 31;10:155–65
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- N. Mezghani, et al. 2015 **A biomechanical analysis of the Impact of Knee osteoarthritis on hip and ankle**. 13<sup>th</sup> International Symposium on Computer Methods in Biomechanics and Biomedical Engineering, Montreal
- Blouin J. et al. 2014 **Correlation between knee 3D kinematic parameters during gait and patellofemoral OA radiographic grading scale**. *Osteoarthritis and Cartilage*: 22. S57–S489, S97
- Gaudreault N. et al. 2013. **Relationship between knee walking kinematics and muscle flexibility in runners**, *Journal of sports Rehabilitation*, Nov 22 (4): 279–87
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- Gaudreault N et al. 2012. **Comparison of knee gait kinematics of workers exposed to knee straining posture to those of non-knee straining workers**. *Gait Posture*. Nov 26:1–5
- Grimard, G. et al. 2012 **Computer aided system for knee biomechanical assessment: preliminary results**. *Knee Surgery, Sports Traumatology, Arthroscopy*, 18(1), pp. S213
- Boivin, K., et al. 2008 **The Relationship of Frontal Plane Knee Kinematics with Knee Alignment and Adduction Moment**. *Journal of Biomechanics*, 41(S1), pp. S206
- ... **and much more!**

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