POSTER PRESENTATIONS

PP5

Injury Risk Assessment for Low Back Pain: A Scientometric Study

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ABSTRACT

Background and Objectives: Low back pain (LBP) is one of the most common issues in humankind and has a high tendency for recurrence. Considering the harmful effects of LBP, it is crucial to identify the injury risk assessment to detect possible LBP occurrence in the future. The scientometric analysis will provide a fine path for researchers to know the current trend and evolution of the theme research area of LBP injury risk assessment. Therefore, this research objective was to gather data from the literature to determine the present trend of LBP injury risk assessments and current research. **Methods:** This scientometric study has collected scientific publications from the Web of Science (WOS) database from 2000 to 2023. CiteSpace software was used for co-occurrence, clustering, co-citation, and burst analysis. The search terms that have been used are “injury risk assessment for low back pain”. **Results:** The most popular author is Michael A. Adams, PhD, Biomechanics Centre for Comparative and Clinical Anatomy Professor from the University of Bristol (sigma: 2.21). The most influential article is The Dominant Role of psychosocial risk factors in the development of chronic low back pain disability from Spine (sigma: 2.74). Quadrant Injury is the most common cluster (size:117), and last but not least, the strongest keyword is low back disorders (strength:4.4). **Conclusion:** The risk of low back pain is becoming one of the popular future research areas. Furthermore, researchers must know the lack of research being done on elite youth athletes, hence this theme needs more exploration.

Keywords: Low Back Pain; Risk Injury; Assessment; Scientometric; Visualization

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