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To log-roll or not to log-roll – That is the question! A review of the use of log-roll on patients with pelvic fractures

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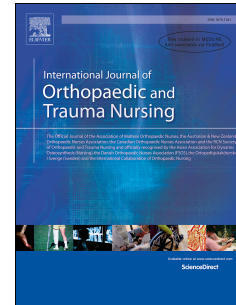
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Full title: To Log-roll or not to Log-roll – that is the question!

A review of the use of log-roll on patients with pelvic fractures

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Abstract:

Pelvic fractures are one of the most serious injuries in polytrauma and massive haemorrhage is a major complication and the leading cause of death. The assessment and early management of these injuries in the Emergency Department (ED) focuses on the recognition of haemodynamic instability and should follow Advanced Trauma Life Support (ATLS) guidelines. The log-roll technique, although an accepted practice in trauma care, has been reported as inadvisable when a pelvic fracture is suspected. This paper, which includes a case study, briefly explains the pathophysiology and initial management of pelvic fractures. It aims to emphasise how the use of the log-roll can affect the haemodynamic stability of a patient with a pelvic fracture, highlighting gaps in research, along with the ethical and legal implications associated with polytrauma care. It also encourages practitioners to consider reasonable alternatives to the log-roll technique when beneficial and applicable.

Key Words: Trauma; Pelvic Fractures; Haemorrhage; Log-roll

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