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Experimental Evaluation Of The Developmental Mechanism Underlying Fractures At The Adjacent Segment

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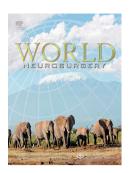
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#### ACCEPTED MANUSCRIPT

### Highlights

- Dynamic and semi-rigid systems have advantages compared to rigid systems due to their lower stiffness values.
- Dynamic system with a PEEK rod can better preserve both adjacent and fixed segments under trauma.
- Due to the cantilever beam effect, the semi-rigid fixation exhibits a greater disadvantage.

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