



EFFECT OF CERVICAL DISC PROTHESIS PLACEMENT IN THE SAGITTAL PLANE ON THE KINEMATICS OF IMPLANTED SEGMENTS

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Summary

- This study suggests that placement of this compressible six-degree-of-freedom artificial disc as far posterior as possible is not required.
- ROM and COR of the implanted segment were not adversely affected by placement variability in the sagittal plane, although the COR showed a trend to shift posteriorly in the posterior placement.
- Avoiding far posterior placement, apart from being safer, may better replicate segmental COR kinematics for C5-C6.
- This study suggests insensitivity of the tested disc prosthesis to placement in the sagittal plane.

