EXPANDABLE TECHNOLOGY **CLINICAL STUDY SUMMARY**

Published Article Now Available!

Minimally Invasive Transforminal Lumbar Interbody Fusion Using Expandable Technology: A Clinical and Radiographic Analysis of 50 Patients

Kim CW, Doerr TM, Luna IY, Joshua G, Shen SR, Fu X, Wu A-M. Minimally Invasive Transforaminal Interbody Fusion Using Expandable Technology: A Clinical and Radiographic Analysis of 50 Patients. World Neurosurgery 90: 228-235, June 2016.



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CALIBER® Expandable Lumbar Interbody Fusion Device

OBJECTIVE

To describe clinical and radiographic outcomes of patients treated with MIS TLIF using expandable technology fusion devices.

METHOD

Researches retrospectively analyzed clinical data from 50 patients (62 operative levels) treated with an expandable interbody spacer and transpedicular posterior stabilization. Clinical outcomes, radiographic measures, fusion rates, reoperation rates, and device-related complications are reported.

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EXPANDABLE TECHNOLOGY

POSTOPERATIVE IMPROVEMENT IN AVERAGE OUTCOME SCORES





* Indicates statistically significant differences at P < 0.05 from the preoperative time interval.

RADIOGRAPHIC RESTORATION OF DISC HEIGHT



Preoperative Lateral Radiograph



Postoperative Lateral Radiograph showing CALIBER[®] at two levels

CONCLUSION

Significant postoperative improvement in average clinical outcome scores (VAS, ODI), intervertebral disc height restoration, and high fusion rates were demonstrated in patients treated with expandable MIS TLIF implants with supplemental fixation.

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