

Dr. Bullard to Present at
2014 World Congress of Minimally Invasive Spine Surgery and Techniques
Paris, France



As part of Dr. Bullard's effort to better serve his patients and contribute to neurosurgical advancement, he conducts clinical research studies on the techniques and products that he uses during surgery. He will be presenting his most recent research findings at the World Congress of Minimally Invasive Spine Surgery and Techniques meeting in Paris, France in June 2014. This study focuses on the use of unilateral (single sided) screw fixation in one and two level minimally invasive transforaminal lumbar interbody fusion (lumbar fusion) procedures performed on a routine group of patients.

In this study, Dr. Bullard focused on two groups of patients: one group treated with unilateral screws (screws on one side only) and one group treated with bilateral screws (screws on both sides). He compared estimated blood loss, surgical time, hospital length of stay, and surgical complications in both groups. He also compared patient reported outcomes such as pain levels and activity levels at the 3 month post-operative visit between both groups. Dr. Bullard found that in similar patient populations, unilateral pedicle screws and bilateral pedicle screws produced the same short-term patient satisfaction. He also observed that estimated blood loss, operation time, and hospital length of stay were more favorable in the group who underwent surgery using the unilateral pedicle screw fixation. At the conclusion of this study, he determined that unilateral pedicle screw fixation is an acceptable alternative to bilateral screw fixation in patients with certain spinal diseases and medical conditions. Please check back in mid-June to view a copy of the fully published abstract!