Poster

John E. Sherman, MD\*, John A. Dowdle, MD† Jesse P. Butler, MD\*

\* Twin Cities Orthopedics, Orthopedic Consultants Division, Edina, MN, USA † Summit Orthopedics, St. Paul, MN, USA # Illinois Bone and Joint Institute, Chicago, IL, USA



This study measured the effectiveness of IVD rongeurs in site preparation for these new spinal implants by quantifying the amount and dentifying the location of nucleus material removal with rongeurs via the posterolateral approach. This study also investigated the mpact that extensive surgeon education may have on nucleus removal with rongeurs.



















