



Department of Shoulder & Elbow Update

David Glaser, M. D.



It has been another outstanding year for the Shoulder and Elbow division of the Department of Orthopaedic Surgery in the Perelman School of Medicine at the University of Pennsylvania. With continued commitment to manage the most complex cases, the section's tertiary referral network has dramatically increased along with the complexity of cases. In 2015, the group performed over 10,000 visits and performed 1054 surgical cases.

As Director of research, Andy Kuntz is leading our research effort, with close collaboration with Louis Soslowsky and others in the McKay Research Laboratory. Together, we form one of the largest, shoulder research laboratories in the world. The Penn shoulder and elbow faculty presented 8 abstracts at national meetings, and delivered 15 talks at international, national, regional and local meetings in 2015. The Shoulder and Elbow service has 6 refereed research grants in 2015, including NIH, Veterans Affairs, health system and the industry

grants. Highlights from this work include investigations into the "Effects of Autologous Juvenile, Adult, and Aged Tenocyte-Seeded Nanofibrous Scaffolds in Rotator Cuff Repair", which was funded by the Penn Institute on Aging, was presented at the 2016 ORS Annual Meeting (presented by Julianne Huegel), and received the New Investigator Research Award honors. Andy was the PI, with Lou as a Co-Investigator on this study. Additional studies include "Effect of Scaffold-Delivered Growth Factors in Rotator Cuff Repair" with Andy as the PI. Ongoing clinical studies measure outcomes using multimodal pain control, outpatient shoulder arthroplasty, long term outcomes of prosthetic implants and cost efficiency in delivering health care. Penn was also selected as a study site to investigate 10-year outcomes of Integra Titan Reverse Shoulder Prosthesis (contract negotiations / legal finalization continue, new budget approved), with Dr. Glaser selected as site PI.