

## Publications of Dr. K. Hildebrand

1. Hildebrand KA, Holmberg M, Shrive N. A new method to measure post-traumatic joint contractures in the rabbit knee. *Journal of Biomechanical Engineering*. 2003, 125:887-892.
2. Hildebrand KA, Zhang M, van Snellenberg W, King GJW, Hart, DA. Myofibroblast numbers are elevated in human elbow capsules after trauma. *Clinical Orthopaedics and Related Research*. 2004, 419:189-197.
3. Hildebrand KA, Frank CB, Hart DA. Gene Intervention in Ligament/Tendon: Current Status, Challenges, Future Directions. *Gene Therapy*. 2004, 11:368-378.
4. Hildebrand KA, Sutherland C, Zhang M. Rabbit knee model of post-traumatic joint contractures: The long-term natural history of motion loss and myofibroblasts. *Journal of Orthopaedic Research*. 2004, 22:313-320.
5. Poelzer C, Hildebrand KA. Gout of the wrist: Bone and ligament lesions. *Journal of the American Society for Surgery of the Hand*. 2004, 4:256-265.
6. Sheps DM, Hildebrand KA, Boorman RS. Simple dislocations of the elbow: evaluation and treatment. *Hand Clinics*. 2004, 20:389-404.
7. Hildebrand KA, Gallant-Behm CL, Kydd AS, Hart DA. The basics of soft tissue healing and general factors that influence such healing. *Sports Medicine and Arthroscopy Review*. 2005, 13:136-144.
8. Hildebrand KA, Zhang M, Hart DA. High Rate of Joint Capsule Matrix Turnover in Chronic Human Elbow Contractures. *Clinical Orthopaedics and Related Research*. 2005, 439:228-234.
9. Hildebrand KA, Zhang M, Hart DA. Joint Capsule Matrix Turnover in a Rabbit Model of Chronic Joint Contractures: Correlation with Human Contractures. *Journal of Orthopaedic Research*. 2006, 24:1036-1043.
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12. Hildebrand KA, Zhang M, Hart DA. Myofibroblast Up-Regulators are elevated in Joint Capsules in Post-traumatic Contractures. *Clinical Orthopaedics and Related Research*. 2007, 456:85-91.
13. Gallant-Behm CL, Hildebrand KA, Hart DA. The Mast Cell Stabilizer Ketotifen Prevents Development of Excessive Skin Wound Contraction and Fibrosis in Red Duroc Pigs. *Journal of Wound Regeneration and Repair*. 2008, 16:226-233.

14. Hildebrand KA, Zhang M, Gernscheid NM, Wang C, Hart DA. Cellular, Matrix and Growth Factor Components of the Joint Capsule are Modified Early in the Process Leading to Post-traumatic Contracture Formation in a Rabbit Model. *Acta Orthopaedica*. 2008, 79:116-125.
16. Hildebrand KA, Zhang M, Salo PT, Hart DA. Joint Capsule Mast Cells and Neuropeptides are Increased within four weeks of Injury and Remain Elevated in Chronic Stages of Post-traumatic Contractures. *Journal of Orthopaedic Research*. 2008, 26:1313-1319.
17. Johnston KD, Durand D, Hildebrand KA. Chronic Ulnar Distal Radioulnar Joint Instability: Joint Capsular Application to Restore Function. *Canadian Journal of Surgery*. 2009, 52:112-118.
18. Sheps DM, Kiefer KRL, Boorman RS, Donaghy J, Lalani A, Walker R, Hildebrand KA. The Inter-Observer Reliability of Classification Systems for Radial Head Fractures: The Hotchkiss Modification of the Mason Classification System and the AO System. *Canadian Journal of Surgery*. 2009, 52:277-282.
19. Hughes SC, Hildebrand KA. Heterotopic Ossification: A Complication of Elbow Arthroscopy. A Case Report. *Journal of Shoulder and Elbow Surgery*. 2009 Jul 31. [Epub ahead of print].
20. Kollias CM, Darcy SP, Reed JG, Rosvold JM, Shrive NG, Hildebrand KA. Distal Humerus Internal Fixation: A Biomechanical Comparison of 90 Degree and Parallel Constructs. *American Journal of Orthopaedics*, Accepted July 2009.