

# DR. DANIEL MAREK

## I. Original Publications:

1. Ulrich-Lai YM, **Marek DJ**, Engeland WC. Capsaicin-sensitive adrenal afferent fibers participate in compensatory adrenal growth in rats. *Am J Physiol Regul Integr Comp Physiol* 2002; 283:R877-R884.
2. Hotchkiss JR, Simonson DA, **Marek DJ**, Marini JJ, Dries DJ. Pulmonary microvascular fracture in a patient with ARDS subjected to high-pressure mechanical ventilation. *Crit Care Med* 2002; 30(10):2368-2370.
3. **Marek DJ**, Copeland GE, Zlowodzki M, Cole PA. The application of dermatotraction for primary skin closure. *Am J Surg* 2005; 190:123-126.
4. Zlowodzki M, Bhandari M, **Marek DJ**, Cole PA, Kregor PJ. Operative treatment of acute distal femur fractures: Current evidence based on two comparative studies and 38 case series (1989-2004). *J Ortho Trauma* 2006; 20:366-371.
5. Sechriest VF, Kyle RF, **Marek DJ**, Saleh KJ, Spates JD, Kuskowski M,. Activity level and polyethylene wear in young patients with primary total hip arthroplasty: a five-year minimum follow-up. *J Arthroplasty* 2007; 22(1):39-47.
6. **Marek DJ**, Sechriest VF, Swiontkowski MF, Cole PA. Reconstruction of a recalcitrant scapular neck nonunion and literature review. *CORR* 2009; 467(5):1370-6.
7. Armitage BM, Wijdicks CA, Tarkin IS, Schroder LK, **Marek DJ**, Zlowodzki M, Cole PA. Fracture Mapping of the Scapula Using 3D Computed Tomography Images: A quantitative analysis to establish location and frequency of surgically treated fracture patterns. *JBJS Am* 2009; 91(9):2222-2231.
8. **Marek DJ**, Fitoussi F, Bohn DC, Van Heest AE. Surgical Release of Pediatric Trigger Thumbs. *J Hand Surg Am.* 2011; 36(4):647-652
9. Daines BK, **Marek DJ**, Hanel DP. Flexor Digitorum Profundus Entrapment Following Closed Reduction of Forearm Fracture: a Case Report. *JPO* (submitted)
10. **Marek DJ**, Iannuzzi NP, Hanel DP. Digit Amputations in Sports and Recreational Activities. (preparation)

## II. Book Chapters:

1. Cole PA, **Marek DJ**. Injuries to the shoulder girdle. In: Stannard JP, Kregor PJ, Schmidt AH, Eds. *Surgical Treatment of Orthopaedic Trauma*. New York: Thieme, 2007; 207-237.
2. **Marek DJ**, Hanel DP. Tendon transfers for fracture sequela. In: Van Heest AE, Goldfarb C, Eds. *Tendon Transfer Surgery of the Upper Extremity: An ASSH Master Skills Publication*. (In Press)

## III. Abstracts:

1. **Marek DJ**, Wright L, Adams A, Dries D, Marini JJ. Histological correlates to lung injury indices in a rabbit model of VILI. *Am J Respir Crit Care Med* 2001; 163(5):A677.
2. Carter C, Adams A, Dries D, Chen L, Deol A, **Marek D**, Hotchkiss J, Marini JJ. Pressure development, not ventilation, accounts for end-expiratory lung recruitment in oleic-acid injured pigs. *Am J Respir Crit Care Med* 2001; 163(5):A677.
3. **Marek DJ**, Adams A, Dries D, Marini J, Hotchkiss J. Observations of a rupture in alveolar epithelium due to high ventilatory pressures. *Respir Care* 2001; 46(10):1145.
4. Dries D, Simonson D, Adams AB, **Marek D**, Yin P, Marini JJ, Hotchkiss JR. Dichotomous inflammatory response to VILI. *Am J Respir Crit Care Med* 2002; 165(8):A683.
5. Sechriest VF, Spates JD, **Marek DJ**, Sechriest NS, Kuskowski M, Saleh KJ, Gustilo RM, Kyle RF. Young patients with primary THA and activity level at minimum five-year follow-up. *Trans AAOS* 2003; P010.
6. Armitage BM, Wijdicks CA, Tarkin IS, **Marek DJ**, Zlowodzki M, Cole PA. Fracture Mapping of the Scapula: 3D-CT to establish location and frequency of fracture patterns. *Trans AAOS* 2009; P510.

## IV. Scientific Presentations:

1. **Marek DJ**. Total Elbow Arthroplasty. University of Minnesota Grand Rounds, Minneapolis, MN, November 2008.
2. **Marek DJ**, Fitoussi F, Bohn DC, Van Heest AE. Pediatric trigger thumbs. Pediatric Hand Surgery Group Meeting, Dallas, TX, March 2009 and Minnesota Orthopaedic Society Annual Meeting, Minneapolis, MN, May 2009.
3. **Marek DJ**. Cervical Radiiculopathy and Thoracic Outlet Syndrome. Doctors Demystify Course, St. Louis Park, MN, May 2009.

4. **Marek DJ**, Fitoussi F, Bohn DC, Van Heest AE. Pediatric trigger thumbs. American Society for Surgery of the Hand (ASSH) Annual Meeting, Adrian Flatt, MD Resident Course, San Francisco, CA, September 2009.
5. **Marek DJ**. Hand and Wrist Anatomy. University of Washington Hand Course, Seattle, WA, April 2011
6. **Marek DJ**, Iannuzzi NP, Hanel DP. Digit Amputations in Sports and Recreational Activities. Summit in Seattle: Hand and Upper Extremity Trauma, Seattle, WA, July 2011.
7. **Marek DJ**. Hand and Wrist Anatomy. Ridgeview Medical Center Grand Rounds, Waconia, MN, December 2011.

#### **V. Poster Presentations:**

1. **Marek DJ**, Ulrich-Lai YM, Engeland WC. Identification and characterization of neurons innervating a rat adrenal gland. University of Minnesota Life Sciences Summer Undergraduate Research Symposium, St. Paul, MN, August 1999.
2. **Marek DJ**, Ulrich-Lai YM, Engeland WC. Splanchnic innervation of the rat adrenal gland modulates steroidogenic responses to restraint stress. National Conference on Undergraduate Research, 14<sup>th</sup> annual meeting, Missoula, MT, April 2000.
3. Marini JJ, Carter C, Adams AB, Hotchkiss J, Stone M, **Marek D**, Dries D. An increase in end expiratory lung volume due to tidal recruitment can be significant in injured lungs. HealthPartners' Celebration of Research Symposium, Minneapolis, MN, September 2000.
4. **Marek DJ**, Wright L, Adams A, Dries D, Marini JJ. Histological correlates to lung injury indices in a rabbit model of VILI. American Thoracic Society, 2001 International Conference, San Francisco, CA, May 2001, and University of Minnesota Department of Medicine Research Day, Minneapolis, MN, May 2001.
5. Carter C, Adams A, Dries D, Chen L, Deol A, **Marek D**, Hotchkiss J, Marini JJ. Pressure development, not ventilation, accounts for end-expiratory recruitment in oleic acid injured pigs. American Thoracic Society, 2001 International Conference, San Francisco, CA, May 2001, and University of Minnesota Department of Medicine Research Day, Minneapolis, MN, May 2001.
6. **Marek DJ**, Adams A, Dries D, Marini J, Hotchkiss J. Observations of a rupture in alveolar epithelium due to high ventilatory pressures. HealthPartners' Celebration of Research Symposium, Minneapolis, MN, September 2001, and AARC International Respiratory Congress, San Antonio, TX, December 2001.
7. Dries D, Simonson D, Adams AB, **Marek D**, Yin P, Marini JJ, Hotchkiss JR. Dichotomous inflammatory response to VILI. American Thoracic Society, 2002 International Conference, Atlanta, GA, May 2002.

8. Sechriest VF, Spates JD, Marek DJ, Sechriest NS, Kuskowski M, Saleh KJ, Gustilo RM, Kyle RM. Young patients with primary THA and activity level at minimum five-year follow-up. American Academy of Orthopaedic Surgeons, 70<sup>th</sup> Annual Meeting, New Orleans, LA, February 2003.
9. **Marek DJ,** Zlowodzki M, Salzman JG, Cole PA. Mapping of scapula fractures. American Society of Biomechanics Upper Midwest Student Regional Meeting, Minneapolis, MN, November 2004.
10. Armitage BM, Wijdicks CA, Tarkin IS, Marek DJ, Zlowodzki M, Cole PA. Fracture Mapping of the Scapula: 3D-CT to establish location and frequency of fracture patterns. American Academy of Orthopaedic Surgeons, 76<sup>th</sup> Annual Meeting, Las Vegas, NV, February 2009.