

CURRICULUM VITAE OF K. Dean Reeves, M.D. (ABBREVIATED FOR WEB SITE)

ACADEMIC APPOINTMENTS:

1986 to 2004 Clinical Assistant Professor University of Kansas
2004 to 2015 Clinical Associate Professor University of Kansas

BOARD CERTIFICATION:

1984 Fellow of the American Academy of Physical Medicine and Rehabilitation

OTHER CERTIFICATIONS:

2016 IROM-C: Certified, Interventional Regenerative Orthopedic Medicine by the American Association of Orthopaedic Medicine.

PEER REVIEWED JOURNAL ARTICLES

Maniquis-Smigel L, Reeves KD, Lyftogt J, Cheng AL, Rabago D. Caudal Epidural Injections with 5% Dextrose for Chronic Low Back Pain with Accompanying Buttock or Leg Pain: Results of a Consecutive Participant Open-Label trial with Long-Term Follow-up. 2018 Jnl Alt Compl Med. In press.

Sit, RWS, Chan KKW, Yip BHK, Zhang DDZ, Reeves KD, Chan YH, Chung VCH, Wong SYS. Clinical effectiveness of patella mobilisation therapy versus a waiting list control for knee osteoarthritis: a protocol for a pragmatic randomized clinical trial. BMJ Open 2018;8:e019103. doi:10.1136/bmjopen-2017-019103

Lam SKH, Reeves KD, Chang AL. Transition from deep regional blocks toward deep nerve hydrodissection in the upper body and torso. Method description and results from a retrospective chart review of the analgesic effect of 5% dextrose water as the primary hydrodissection injectate. Biomed Res Int 2017;7920438 (doi.org/10.1155/2017/7920438).

Maniquis-Smigel L, Reeves KD, Rosen JH, Coleman C, Lyftogt J, Cheng AL, Rabago D. Short Term Analgesic Effects of 5% Dextrose Epidural Injections for Chronic Low Back Pain: A Randomized Controlled Trial. Anesth Pain Med 2016;7(1):e42550. doi: 10.5812/aapm.42550 PMID: 28920043

Reeves KD, Sit RWS, Rabago D. Dextrose Prolotherapy: A narrative review of basic science and clinical research, and best treatment recommendations. Phys Med Rehabil Clin N Am; 2016; 27(4); 783-823. DOI 10.1016/j.pmr.2016.06.001

Maniquis-Smigel L, Reeves KD, Rosen JH, Rabago PD. Vertical Small-Needle Caudal Epidural Injection Technique. Anesth Pain Med 2016;6(3):e35340. 10.5812/aapm.35340 PMID: PMC5097855

Sit RWS, Chung VCH, Reeves KD, Rabago D, Chan KKW, Chan DCC, Wu X, Ho RST, Wong SYS. Hypertonic dextrose injections (prolotherapy) in the treatment of symptomatic knee osteoarthritis: A systematic review and meta-analysis. *Scientific Reports*. 2016;6:25247.

Topol GA, Podesta LA, Reeves KD, Giraldo MM, Johnson LL, Grasso R, Jamín A, Tom Clark DC, Rabago D, The Chondrogenic Effect of Intra-articular Hypertonic-dextrose (prolotherapy) in Severe Knee Osteoarthritis. *PM&R* 2016; 8(11):1072-1082, doi: 10.1016

Bertrand H, Reeves KD, Bennett CJ, Bicknell S, Cheng A-L, Dextrose Prolotherapy versus Control Injections in Painful Rotator Cuff Tendinopathy. *Arch Phys Med Rehabil* 2016;97: 17-25, doi: 10.1016/j.apmr.2015.08.412.

Bertrand H, Kyriazis M, Reeves KD, Lyftogt J, Rabago D; Topical Mannitol Reduces Capsaicin-induced Pain: Results of a Pilot Level, Double-Blind Randomized Controlled Trial. *PM&R* 2015; 7(11):1111-1117, doi: 1016/j.pmrj.2015.05.002

Topol GA, Podesta LA, Reeves KD, Raya MF, Fullerton BD, Yeh H. Hyperosmolar Dextrose Injection for Recalcitrant Osgood-Schlatter Disease. *Pediatrics* 2011;128(5):e1121-e1128.

Fullerton BD, Reeves KD. Ultrasonography in regenerative injection (prolotherapy) using dextrose, platelet rich plasma, and other injectants. *Phys Med Rehabil Clin N Am* 2010;21:585–605.

Reeves KD, Horvat RT. Aerosolized [alpha]-Hemolytic Streptococcus as a Cause of Knee Sepsis After Intra-Articular Injection: Predisposing Factors. *Am J Phys Med Rehabil* 2010;89(1):77-82.

Topol GA, Reeves KD. Regenerative injection of elite athletes with career-altering chronic groin pain who fail conservative treatment: a consecutive case series. *Am J Phys Med Rehabil*. 2008;87(11):890-902.

Miller MR, Matthews RS, Reeves KD. Treatment of painful advanced internal lumbar disc derangement with intradiscal injection of hypertonic dextrose. *Pain Physician* 2006;9(2):115-121.

Topol GA, Reeves KD, Hassanein K. Efficacy of Dextrose Prolotherapy in Elite Male Kicking-Sport Athletes with Chronic Groin Pain. *Archives Phys Med Rehabil*, 2005;86:697-702.

Reeves KD, Hassanein K. Long-term effects of dextrose prolotherapy for anterior cruciate ligament laxity. *Altern Ther Health Med* 2003;9(3):58-62.

Reeves KD, Hassanein K. Randomized Prospective Double-Blind Placebo-Controlled Study of Dextrose Prolotherapy for Knee Osteoarthritis with or Without ACL laxity. *Alt Ther Hlth Med* 2000;6(2):68-80.

Reeves KD, Hassanein K. Randomized Prospective Placebo-Controlled Double-Blind Study of Dextrose Prolotherapy for Osteoarthritic Thumbs and Fingers (DIP, PIP and Trapeziometacarpal Joints): Evidence of Clinical Efficacy. *Jnl Alt Compl Med* 2000;6(4): 311-320.

Reeves KD. Prolotherapy: Present and Future Applications in Soft Tissue Pain and Disability. In Weinstein SM(ed) *North American Clinics in Physical Medicine and Rehabilitation*. 1995;6(4):917-926.

Reeves KD. Treatment of Consecutive Severe Fibromyalgia Patients with Prolotherapy. *The Journal of Orthopaedic Medicine* 1994; 16(3):84-89.

Reeves KD. Mixed Somatic Peripheral Nerve Block for Painful or Intractable Spasticity: A Review of 30 Years of Use. *Am Jnl Pain Mgmt* 1992; 2:205-210.

Reeves KD, Furtado D, Redford JB. Hydrogen Peroxide: Potential for Prophylaxis in Bacteriuria. 1984; Vol. 65(1):11-14, 1984 *Archives PM&R*.

PEER REVIEWED CHAPTER TEXTS

Rabago D, Nourani B, Reeves KD, Weber M. Prolotherapy: Histology, biology, mechanism of action, preparation and clinical applications In: Manchikanti L, Navani A, eds. *Essentials of regenerative medicine in interventional pain management 2017*: In Press

Reeves KD, Lyftogt J. Prolotherapy: Regenerative injection therapy. In: Waldman SD (ed): *Pain Management*. Philadelphia: Saunders (Elsevier), 2nd ed; 2011:1027-1044 (text)

Reeves KD, Lyftogt J. Prolotherapy: Regenerative injection therapy: Electronic Version. In: Waldman SD, ed. *Pain Management*. 2nd ed. Philadelphia: Saunders (Elsevier); 2011:119e(000-109).

Reeves KD, Topol GA, Fullerton BD. Evidence-based regenerative injection therapy (prolotherapy) in sports medicine. In Seidenberg PH, Beutler PI. (Eds). *The Sports Medicine Resource Manual*. Saunders (Elsevier); 2008:611-619.

Reeves KD. Prolotherapy: Regenerative injection therapy. In: Waldman SD (ed): *Pain Management*. Philadelphia; Saunders (Elsevier); 2007:1106-1127.

Miller MR, Matthews RS, Reeves KD. Dextrose 25% for pain of degenerative disc disease. In Savetz MH, Chiu JC, Rauschnig W, Yeung AT. (Eds). *The Practice of*

Minimally Invasive Spinal Technique. (2nd Edition.), New York: Aamiss Press; 2005:379-383.

Reeves KD Prolotherapy: Basic Science, Clinical Studies, and Technique. In Lennard TA(Ed). Pain Procedures in Clinical Practice. (2nd Ed.) Philadelphia: Hanley and Belfus; 2000:172-190.

Reeves KD. Technique of Prolotherapy. In Lennard TA(ed): Physiatric Procedures in Clinical Practice. Philadelphia. Hanley and Belfus; 1995:57-70.

NON-PEER REVIEWED PUBLICATIONS (SCIENTIFIC POSTERS/ABSTRACTS)

Louw F, Reeves KD, Lam SKH, Cheng AL, Rabago D. Treatment of temporomandibular dysfunction with hypertonic dextrose injection (prolotherapy): A randomized clinical trial with long-term partial crossover. American Association of Orthopaedic Medicine 35th Annual Conference and Scientific Seminar. Hilton Clearwater Beach Resort – Clearwater Beach, Florida April 18-21, 2018.

Harrison TE, Bowler J Reeves KD. 50% dextrose solution may activate platelets in platelet-rich plasma. American Association of Orthopaedic Medicine 35th Annual Conference and Scientific Seminar. Hilton Clearwater Beach Resort – Clearwater Beach, Florida April 18-21, 2018.

Harrison TE, Bowler J, Levins TN, Reeves KD. Platelet yield and yield consistency for six methods of platelet-rich plasma preparation. American Association of Orthopaedic Medicine 35th Annual Conference and Scientific Seminar. Hilton Clearwater Beach Resort – Clearwater Beach, Florida April 18-21, 2018.

Topol G, Guerrero I, Elias F, Reeves KD, Steinmetz N, Cheng AL, Rabago D. Changes in cytokines after masked intraarticular injection of dextrose or aspiration only in Grade IV osteoarthritic knees. American Association of Orthopaedic Medicine 35th Annual Conference and Scientific Seminar. Hilton Clearwater Beach Resort – Clearwater Beach, Florida April 18-21, 2018.

Sit RWS, Wu RWK, Reeves KD, Rabago D, Chan, DCC, Yip BHK, Chung VCH, Wong SYS. Efficacy of intra-articular hypertonic dextrose prolotherapy versus normal saline for knee osteoarthritis: A protocol for a triple-blinded randomized controlled trial. American Association of Orthopaedic Medicine 35th Annual Conference and Scientific Seminar. Hilton Clearwater Beach Resort – Clearwater Beach, Florida April 18-21, 2018.

Bertrand H, Kyriazis M, Reeves KD, Cheng AL, Debelle T. Mannitol cream in the treatment of postherpetic neuralgia: Randomized, placebo-controlled, crossover pilot study (Abs). Canadian Family Physician 2017;63(Suppl 1):S106.

Maniquis-Smigel L, Reeves KD, Lyftogt J, Cheng AL, Rabago D. Caudal Epidural Injections with 5% Dextrose for Chronic Low Back Pain with Accompanying Buttock or Leg Pain: Results of a Consecutive Participant Open-Label trial with Long-Term Follow-up (Abs) *PM&R* 2016;8(9S);S286-287.

Sit R, Chung V, Reeves KD, Rabago D, Chan K, Chan D, Wu X; Ho R, Wong SY; Hypertonic Dextrose Injections (Prolotherapy) in the Treatment of Symptomatic Knee Osteoarthritis: A Systematic Review and Meta-Analysis; North American Primary Care Research Group (NAPCRG) 43th annual conference; Cancun Mexico; October 24-28 2015.

Topol GA, Podestá L, Reeves KD, et al. Hypertonic-dextrose intra-articular injections in severe knee osteoarthritis: A pilot study suggesting disease modification through chondrogenesis (Abs). *Arch Phys Med Rehabil.* 2015;96(10):e104.

Maniquis-Smigel L, Reeves KD, Rosen H, Rabago D. Small needle vertical caudal epidural injection method: Success rate and safety profile (Abs). *Arch Phys Med Rehabil.* 2015;96(10):e103.

Maniquis-Smigel L, Reeves KD, Lyftogt J, Rabago D. Analgesic Effect of Caudal 5% Dextrose in Water in Chronic Low Back Pain (Abs) *Arch Phys Med Rehabil.* 2015;96(10):e103.

Peterson NS, Reeves KD. Efficacy of one day training in Low-cost manual preparation of high cellular platelet rich plasma. *Jnl Prolotherapy* 2014;6:e922-e927.

Reeves KD, Fullerton BD, Topol GA, Bancroft G. Study seeks treatment to keep athletes in the game. The effects of Osgood-Schlatter disease can extend beyond resolution of pain to a patient's sports career. *Biomechanics* 2006;13(4):31-39.

Reeves KD Sweet Relief: Prolotherapy Targets Sprains and Strains. *Biomechanics* 2004(9):24-35.

Reeves KD Prolotherapy for patients with musculoskeletal disorders. *Jnl Musculoskel Med* 2002(Oct):390-391.

Reeves KD, Harris AL. Recurrent Dislocation of Total Knee Prostheses in a Large Patient: Case Report of Dextrose Proliferant Use. (Abs) *Arch Phys Med Rehabil* 1997; Vol 78.

SELECTED TALKS (Since 2014)

2018: Dextrose, PRP and Stem Cell Injection- Current Evidence Basis. 35th AAOM Annual Conference and Scientific Seminar Hilton Clearwater Beach Resort Clearwater Beach, Florida, April 19, 2018

2018: Combining prolotherapy and perineural injection treatment (PIT): Scientific literature and practical applications. 35th AAOM Annual Conference and Scientific Seminar Hilton Clearwater Beach Resort Clearwater Beach, Florida, April 20, 2018

2017: There and Back Again: Update on International Prolotherapy Collaborations. Given in Madison, Wisconsin Oct 18, 2017. Sponsored by the University of Wisconsin

2016: Hypertonic-dextrose (prolotherapy) injections in severe knee osteoarthritis: A pilot study suggesting disease modification through chondrogenesis and study to follow. Given in Madison, Wisconsin Oct 19, 2016. Sponsored by the University of Wisconsin

2015: Groin pain structural or neurogenic? Changing treatment and research options. 3rd International Conference and Exhibition on Physical Medicine & Rehabilitation May 20, 2015 San Antonio. Sponsored by the International Journal of Physical Medicine and Rehabilitation and OMICS international conference series

2015: Results from multinational independent randomized controlled trials on practical, inexpensive and effective treatment of temporomandibular dysfunction. 3rd International Conference and Exhibition on Physical Medicine & Rehabilitation. May 20, 2015 San Antonio. Sponsored by the International Journal of Physical Medicine and Rehabilitation and OMICS international conference series

2014: Prolotherapy (and perineural injections) in Low Back Pain +/- Leg Pain. July 6, 2014. At the 2nd Annual Scientific Meeting of the Hong Kong Institute of Musculoskeletal Medicine. Held at the Hong Kong Academy of Medicine Building.

2014: To Graduate Physicians: Title: The Science Behind the Practice- Recently Completed Research- What Does the Evidence Show. Clearwater Beach, Florida April 9-12, 2014. At the 31st Annual Meeting of the American Association of Orthopaedic Medicine