



Bibliography of Published, Peer-Reviewed Literature

Meta-Analysis

Driver VR, Yao M, Miller CJ. Noncontact Low-Frequency Ultrasound Therapy in the Treatment of Chronic Wounds: A Meta-Analysis. *Wound Repair and Regeneration*. 2011; 19: 475–480.

Randomized Controlled Studies

Gibbons GW, Orgill DP, Serena TE, Novoung A, O'Connell JB, Li WW, Driver VR. A Prospective, Randomized, Controlled Trial Comparing the Effects of Noncontact, Low-frequency Ultrasound to Standard Care in Healing Venous Leg Ulcers. *Ostomy and Wound Management* 2015;61(1):16-29.

Olyaie M, Rad FS, Elahifar MA, Garkaz A, Mahsa G. High-Frequency and Noncontact Low-Frequency Ultrasound Therapy for Venous Leg Ulcer Treatment: A Randomized, Controlled Study. *Ostomy and Wound Management* 2013;59(8):14–20.

Yao M, Hasturk H, Kantarci A, Gu G, Garcia-Lavin S, Fabbi M, Park N, Hayashi H, Attala K, French MA, Driver VR. A Pilot Study Evaluating Noncontact Low Frequency Ultrasound and Underlying Molecular Mechanism on Diabetic Foot Ulcers. *International Wound Journal* 11-19- 012 on-line publication.

Kavros SJ, Miller JL, Hanna SW. Treatment of Ischemic Wounds with Noncontact, Low-Frequency Ultrasound: The Mayo Clinic Experience, 2004-2006. *Adv Skin Wound Care*. 2007;20(4):221–226.

Ennis WJ, Formann P, Mozen N, Massey J, Conner-Kerr T, Meneses P. Ultrasound Therapy for Recalcitrant Diabetic Foot Ulcers: Results of a Randomized, Double-Blind, Controlled, Multicenter Study. *Ostomy Wound Management*. 2005;51(8):24–39.

Prospective Controlled Studies

Escandon J, Vivas AC, Perez R, Kirsner R, Davis S. A Prospective Pilot Study of Ultrasound Therapy Effectiveness in Refractory Venous Leg Ulcers. *International Wound Journal* 2012; 9(5):570-578

Serena T, Lee SK, Lam K, Attar P, Meneses P, Ennis W. The Impact of Noncontact, Nonthermal, Low-Frequency Ultrasound on Bacterial Counts in Experimental and Chronic Wounds. *Ostomy Wound Management*. 2009; 55(1):22-30.

Retrospective Studies

Honaker JS, Forston MR, Davis EA, Wiesner MM, Morgan JA. Effects of Noncontact Low-Frequency Ultrasound on Healing of Suspected Deep Tissue Injury: A Retrospective Analysis.

International Wound Journal. On-line January 30, 2012.

Haan J, Lucich S. A Retrospective Analysis of Acoustic Pressure Wound Therapy: Effects on the Healing Progression of Chronic Wounds. *J Amer College of Certified Wound Specialists*. 2009;1(1):28-34.

Cole PS, Quisberg J, Melin MM. Adjuvant Use of Acoustic Pressure Wound Therapy for Treatment of Chronic Wounds: A Retrospective Analysis. *J Wound Ostomy Continence Nursing*. 2009;36(2): 171-177.

Kavros SJ, Liedl DA, Boon, AJ, Miller JL, Hobbs JA, Andrews KL. Expedited Wound Healing with Noncontact, Low-Frequency Ultrasound Therapy in Chronic Wounds: A Retrospective Analysis.

Adv Skin Wound Care. 2008; 21:416-23.

Bell AL, Cavorsi J. Noncontact Ultrasound Therapy for Adjunctive Treatment of Nonhealing Wounds: Retrospective Analysis. *Physical Therapy*. 2008;88(12):1517-1524.

Gehling ML, Samies JH. The Effect of Noncontact, Low-Intensity, Low-Frequency Therapeutic Ultrasound on Lower Extremity Chronic Wound Pain: A Retrospective Chart Review.

Ostomy Wound Management. 2007;53(3):44-50.

Observational Registries

Kavros SJ, Schenck EC. Use of Noncontact Low Frequency Ultrasound in the Treatment of Chronic Foot and Leg Ulcerations: a 51 Patient Analysis. *J Am Pod Med Assn*. 2007;97(2):95-101.

Ennis WJ, Valdes W, Gainer M, Meneses P. Evaluation of Clinical Effectiveness of MIST Ultrasound Therapy for the Healing of Chronic Wounds. *Adv Skin Wound Care*. 2006;19(8):437-446.

Economic

Amir L. Managing Chronic Conditions: Economic Analysis Can Help Mitigate Costs of Diabetic Ulcers.

Healthcare Financial Management. May 2014:1-6.

Animal/ Cellular Stimulation

Maan ZN, Januszyk M, Rennert RC, Duscher D, Rodrigues M, Fujiwara T, Ho N, Whitmore A, Hu MS, Longaker MT, Gurtner GC. Noncontact, Low-Frequency Ultrasound Therapy Enhances Neovascularization and Wound Healing in Diabetic Mice. *Plastic and Reconstructive Surgery*. 2014; 134: 402e - 411e

Seth AK, Mustoe TA, Galiano RD, et al. Noncontact, Low-Frequency Ultrasound as an Effective Therapy Against *Pseudomonas aeruginosa*-Infected Biofilm Wounds. *Wound Regeneration & Repair* 2013; 21(2):266-274.

Lai JY, Pittelkow MR. Physiological Effect of Ultrasound Mist on Fibroblasts. *Int J Dermatol*. 2007;46(6):587-593.

Thawer HA, Houghton PE. Effects of Ultrasound Delivered through a Mist of Saline to Wounds in Mice with Diabetes Mellitus. *J Wound Care*. 2004;13(5):1-6.

Ostomy and Wound Management Sound Evidence Case Series (Celleration sponsored series)

Medrano S, Beneke MJ. Acoustic Pressure Wound Therapy to Debride Unstageable Pressure Ulcers in the Acute Care Setting: A Case Series. *Ostomy Wound Management*. 2008;54(12):54-58.

Thomas R. Acoustic Pressure Wound Therapy in the Treatment of Stage II Pressure Ulcers. *Ostomy Wound Management*. 2008;54(11):56-58.

Caswell D, McNulty BM. Low-Frequency, Therapeutic Ultrasound Treatment for Congenital Ectodermal Dysplasia in Toddlers. *Ostomy Wound Management*. 2008;54(10):58-61.

Howell-Taylor M, Hall MG, Brownlee MJ, Taylor M. Negative Pressure Wound Therapy Combined with Acoustic Pressure Wound Therapy for Infected Post Surgery Wounds: A Case Series. *Ostomy Wound Management*. 2008;54(9):49-52.

Schmuckler J. Acoustic Pressure Wound Therapy to Facilitate Granulation Tissue in Sacral Pressure Ulcers in Patients with Compromised Mobility: A Case Series. *Ostomy Wound Management*. 2008;54(8):50-53.

Waldrop K, Serfass A. Clinical Effectiveness of Noncontact, Low-Frequency, Nonthermal Ultrasound in Burn Care. *Ostomy Wound Management*. 2008;54(6):66-69.

Liguori PA, Peters KL, Bowers JM. Combination of Negative Pressure Wound Therapy and Acoustic Pressure Wound Therapy for Treatment of Infected Surgical Wounds: A Case Series. *Ostomy Wound Management*. 2008;54(5):50-53.

Fleming CP. Acoustic Pressure Wound Therapy in the Treatment of a Vasculopathy-Associated Digital Ulcer: A Case Study. *Ostomy Wound Management*. 2008;54(4):62-65.

Samies JH, Gehling ML. Acoustic Pressure Wound Therapy for Management of Mixed Partial- and Full-Thickness Burns in a Rural Wound Center. *Ostomy Wound Management*. 2008;54(3):56-59.

Serena T. Wound Closure and Gradual Involution of an Infantile Hemangioma Using a Noncontact, Low-Frequency Ultrasound Therapy. *Ostomy Wound Management*. 2008;54(2):68-71.

Unger P. Low-frequency, noncontact, nonthermal ultrasound therapy: a review of the literature. *Ostomy Wound Manage*. 2008;54(1):57-60.

ECPN (Extended Care Professional Nursing) Case Series (Celleration sponsored series)

Anderson M, Drew A. MIST Therapy® Thoughts on Therapy Cases Series #9. *ECPN* 2007;124:36-42.

Caswell D. MIST Therapy® Thoughts on Therapy Cases Series #8. *ECPN* 2007;123:36-44.

Turkos M. MIST Therapy® Thoughts on Therapy Cases Series #7. *ECPN* 2007;122:36-40.

Rodgers-Olson D, Jacob N, Bartholomew S, Luther J, Suyder A, Copeland C. MIST Therapy® Thoughts on Therapy Cases Series #6. *ECPN* 2007;120:36-41.

Knight DD, Diaz G, Sigler T. MIST Therapy® Thoughts on Therapy Cases Series #5. *ECPN* 2007;119:36-40.

Fleming C. MIST Therapy® Thoughts on Therapy Cases Series #4. *ECPN* 2007;118:36-40.

Cole P. MIST Therapy® Thoughts on Therapy Cases Series #3. *ECPN* 2007;117:39-43.

Haan J, Lucich S. MIST Therapy® Thoughts on Therapy Cases Series #2. *ECPN* 2007;116:39-43.

Thurman K. MIST Therapy® Thoughts on Therapy Cases Series #1. *ECPN* 2007;115:39-43.

Other Articles

Honaker J, Brockopp D, Moe K. Development and Psychometric Testing of the Honaker Suspected Deep Tissue Injury Severity Scale. *J Wound Ostomy Continence Nurs*. 2014;41(3):238-241.

Jeffers AM, Maxson PM, Thompson SL, McCormack HE, Cima RR. Combined Negative Pressure Wound Therapy and Ultrasonic MIST Therapy for Open Surgical Wounds. *J Wound Ostomy Continence Nurs*. 2014;41(2):181-186.

Honaker J, Brockopp D, Moe K. Suspected Deep Tissue Injury Profile: A Pilot Study. *Advances in Skin & Wound Care*. 2014; 7(3):133 –140.

Smith EK, Craven A, Wilson AM. Effect of Noncontact Low-Frequency Ultrasound on Wound Healing: A Systematic Review. *Journal of Acute Care Physical Therapy*. 2014;5(1):36-44.

Alumia R. Improving Outcome with Noncontact Low-Frequency Ultrasound. *Wound Care Advisor* Sept/Oct 2013, Volume 2, Number 5

Mulrine C. The Use of Ultrasound MIST in Upper Extremity Wounds. *ASHT (American Society of Hand Therapists) Times* 2013; 20(2): 12-13.

Weir D, Unger P. Wound Bioburden: Providing Infection Control while Managing Pain. *Today's Wound Clinic*. May 2012.

Honaker J, Forston M. Adjunctive Use of Noncontact Low-Frequency Ultrasound for Treatment of Suspected Deep Tissue Injury: A Case Series. *J Wound Ostomy Continence Nrsng*. 2011;38(4):394-403.

Cutting K, Unger P, Norris R, Driver V. Meeting Report: MIST Ultrasound Therapy: the Science and Benefits. *Wounds UK*. 2011; 7(1):130-137.

Chernev I, Liguori PA, Senno SL, Peters KL, Bowers JM Combined Noncontact, Low-Frequency Ultrasound and Medical Honey for the Treatment of Chronic Wounds - A Case Series. *J Wound Ostomy Continence Nursing*. 2010; 37(4):421-425.

Lasko J, Kochik J, Serena T. Combining Acoustic Pressure Wound therapy with Electrical Stimulation for Treatment of Chronic Lower-Extremity Ulcers: A Case Series. *Adv Skin WC*. 2010; 23(10):446-449.

Norris R, Henchy R. Use of low frequency ultrasound therapy in the treatment of recalcitrant leg ulcers: case series. *Wounds UK*. 2010; 6(2):123-128.

Lasko J, Kochik J, Serena T. The Sound of Healing. Ultrasound is Picking Up Popularity for Healing Chronic Wounds. *Advances for PT*. 2009;20(14):20-22.

McGrath D. Saving Limbs by Healing Chronic Diabetic Foot and Leg Wounds. *Diabetes Health Online Journal* 8/20/09.

Kent D. Getting MISTY Over Wound Care. *Nursing*. 2007;37(9):36-37.

Letters to the Editor

Unger PG. Letter to the Editor: Effect of noncontact Low-Frequency Ultrasound on Wound Healing. *Journal of Acute Care Physical Therapy*. 2014; 5 (2);51-52.

Unger PG. Letter to the Editor: Differentiating Ultrasound Technologies. *Ostomy & Wound Management*. May 12, 2014