

Shockwave therapy is now being used by the University of Alabama, Maryland, Oklahoma State, Connecticut, Massachusetts, Marshall University and the Baltimore Ravens Sports Programs. Within a medical system it is being used on a wide scale within the Mayo and Cleveland Clinic.

Extracorporeal Shock Wave Therapy, Stemwave Patient Video

<https://drive.google.com/drive/folders/1ut2n8f0FFrCqg3S6pydsk3VrnoelTZyN>

Shockwave Therapy Research

Liu, K., Zhang, Q., Chen, L. et al. Efficacy and safety of extracorporeal shockwave therapy in chronic low back pain: a systematic review and meta-analysis of 632 patients.

J Orthop Surg Res 18, 455 (2023). <https://doi.org/10.1186/s13018-023-03943-x>

Li S, Liu J, Wang Y, Zhu C, Tang Y, Gu M. Clinical evaluation of the efficacy of focused extracorporeal shock-wave therapy in patients with cervical spondylosis: A randomized control trial. Medicine (Baltimore). 2024 Nov

<https://pubmed.ncbi.nlm.nih.gov/39560509/>

The Role of Extracorporeal Shockwave Treatment in
Musculoskeletal Disorders

Daniel Moya, MD, Silvia Ramón, MD, Ph.D., Wolfgang
Schaden, MD, Ching-Jen Wang, MD, Leonardo Guilloff, MD, and Jai-Hong Cheng, MD

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Efficacy of Extracorporeal Shockwave Therapy for
Knee Osteoarthritis: a Randomized Controlled Trial

By: Zhe Zhao, MD, Rufang Jing, MD, Zhan Shi, Ph.D.,
Bin Zhao, MD, Quan Ai, MM, and Gengyan Xing, MD

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The American Journal of Sports Medicine – Shockwave
Therapy for Patients with Lateral Epicondylitis of the Elbow

By: Ching-Jen Wang, M.S. & Han-Shiang Chen, M.D.

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The American Journal of Sports Medicine – Extracorporeal
Shockwave for Chronic Patellar Tendinopathy

By: Ching-Jen Wang M.D., Jih-Yang Ko M.D., Yi-Sheng
Chan M.D., Lin-Hsiu Weng M.D. and Shan-Lin Hsu M.D.

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Ultrasonographic Evaluation of Low Energy Extracorporeal
Pulse- Activated Therapy (EPAT) for Chronic Plantar Fasciitis

By: Robert Gordon, MD; Charles Wong, BHSc; Eric J.
Crawford, BHSc Toronto, Canada

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The American Journal of Sports Medicine – Eccentric
Loading, Shockwave Treatment, or a Wait-and-See Policy for Tendinopathy of the Main Body of
Tendo Achilles

By: Jan D. Rompe, M.D., Bernhard Nafe, M.D., John
P. Furia, M.D. Ph.D., and Nicola Maffulli, M.D., Ph.D., F.R.C.S.(Orth)

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The American Journal of Orthopedics – Safety and
Efficacy of ESWT for Chronic Lateral Epicondylitis

By: John P. Furia, M.D.

Techniques in Foot and Ankle Surgery – Shockwave
Therapy for Treatment of Foot and Ankle Conditions

By: Alastair Younger, MB, ChB, FRCSC

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Shockwave Therapy for the Treatment of Chronic Proximal
Hamstring Tendinopathy in Professional Athletes

By: Angelo Cacchio, Jan D. Rompe, John P. Furia,
Piero Susi, Valter Santilli and Fosco De Paulis

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Shockwave Therapy Compared with Intramedullary Screw
Fixation for Nonunion of Proximal Fifth Metatarsal Metaphyseal-Diaphyseal Fractures

By: John P. Furia, MD, Paul J. Juliano, MD, Allison
M. Wade, MD, Wolfgang Schaden, MD, and Rainer Mittermayr, MD

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Repetitive Low-Energy Shockwave Application Without
Local Anesthesia is More Efficient Than Repetitive Low-Energy Shockwave Application with
Local Anesthesia in the Treatment of Chronic Plantar Fasciitis*

By: Rompe JD, Meurer A, Nafe B, Hofmann A, Gerdesmeyer
L.

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Radial Shockwave Therapy in Calcific Tendinitis of
the Rotator Cuff

By: Dr. P. Magosch, ATOS Clinic Heidelberg (Germany)

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Radial Extracorporeal Shockwave Therapy Is Safe and
Effective in the Treatment of Chronic Recalcitrant Plantar Fasciitis

By: Ludger Gerdesmeyer, MD, PhD, Carol Frey, MD,
Johannes Vester, PhD, Markus Maier, PhD, Lowell Weil Jr, DPM, Lowell Weil Sr, DPM, Martin
Russlies, PhD, John Stienstra, DPM, Barry Scurran, DP, Keith Fedder, MD, Peter Diehl, MD,
Heinz Lohrer, MD, Mark Henne, MD, and Hans Gollwitzer, MD

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Physical Therapy – Effectiveness of Radial Shockwave
Therapy for Calcific Tendinitis of the Shoulder: Single-Blind, Randomized Clinical Study

By: Angelo Cacchio, Marco Paoloni, Antonio Barile,
Romildo Don, Fosco de Paulis, Vittorio Calvisi, Alberto Ranavolo, Massimo Frascarelli, Valter
Santilli, Giorgio Spacca

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Low-Energy Extracorporeal Shockwave Therapy as a
Treatment for Medial Tibial Stress Syndrome

By: Jan D. Rompe, Angelo Cacchio, John P. Furia and
Nicola Maffulli

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Extracorporeal Shockwave Therapy Compared with Surgery
for Hypertrophic Long-Bone Nonunions

By: Angelo Cacchio, Lucio Giordano, Olivo Colafarina,
Jan D. Rompe, Emanuela Tavernese, Francesco Ioppolo, Stefano Flamini, Giorgio Spacca and
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Efficacy of Extracorporeal Shockwave Therapy in Frozen
Shoulder

By: Badak Vahdatpour, Parisa Taheri, Abolghasem Zare
Zade and Saeed Moradian

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Current Concepts of Shockwave Therapy in Stress Fractures

By: Carlos Leal, Cristina D'Agostino, Santiago Gomez
Garcia, Arnold Fernandez

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Clinically Relevant Effectiveness of Focused Extracorporeal
Shockwave Therapy in the Treatment of Chronic Plantar Fasciitis. A Randomized, Controlled
Multicenter Study

By: Hans Gollwitzer, MD, Amol Saxena, DPM, Lawrence
A. DiDomenico, DPM, Louis Galli, DPM, Richard T. Bouche, DPM, David S. Caminear, DPM,
Brian Fullem, DPM, Johannes C. Vester, Carsten Horn, MD, Ingo J. Banke, MD, Rainer
Burgkart, MD, and Ludger Gerdesmeyer, MD

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Scientific Indications

Wide Range of Indications - Calcific Tendinitis Non-Invasive Biological Effects - Microscopic Features of Neo-Vessels Mechanism of Action

Before and after treatment shows marked improvement after six months. The calcium has dissolved.

Before Treatment



6 Months Following Treatment

