



**GOOD
NEWS**

PEDro:
PHYSIOTHERAPY EVIDENCE DATABASE
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TOP-NOTCH CLINICAL SCIENCE

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PEDRO IS A FREE DATABASE OF OVER 28'000 RANDOMIZED CLINICAL TRIALS (RCTs), SYSTEMATIC REVIEWS AND CLINICAL PRACTICE GUIDELINES IN PHYSIOTHERAPY

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WHEN ENTERING THE KEY WORDS "RADIAL SHOCK WAVE THERAPY" TO SEARCH THE WEBSITE WWW.PEDRO.ORG.AU

THE WINNER IS →

THE PEDRO DATABASE (www.PEDro.org.au)

WAS DEVELOPED BY THE GEORGE INSTITUTE FOR GLOBAL HEALTH
AFFILIATED WITH THE UNIVERSITY OF SYDNEY, AUSTRALIA

SHOCK WAVE FRONT →

HYDROPHONE →

SECONDARY SHOCK WAVES →

CAVITATION BUBBLES →

APPLICATOR SWISS DOLORCLAST® →

RADIAL SHOCK WAVES

15:20 CLINICAL STUDIES PERFORMED WITH THE SWISS DOLORCLAST®

PEDro QUALITY CRITERIA →

10	9	8	7	6	5	4	3	2	1	S	INDICATIONS	STUDIES	0* DEVICES
+	+	+	+	+	-	+	+	+	+	9/10	Calcifying tendinitis of the shoulder Plantar fasciopathy	Cacchio et al. 2006	+ Not specified (Elettronica Pagani)
+	+	+	+	+	-	+	+	+	+	Gerdesmeyer et al. 2008		+ Swiss DolorClast® (EMS)	
+	+	+	+	+	-	+	+	+	+	Ibrahim et al. 2010		+ Swiss DolorClast® (EMS)	
+	+	+	+	+	-	(-)	+	+	+	8/10	Achilles tendinopathy Plantar fasciopathy	Rompe et al. 2007	+ Swiss DolorClast® (EMS)
+	+	+	+	+	-	(-)	+	+	+	Rompe et al. 2008		+ Swiss DolorClast® (EMS)	
+	+	+	+	+	-	(-)	+	+	+	Rompe et al. 2009a		+ Swiss DolorClast® (EMS)	
+	+	+	+	+	-	(-)	+	+	+	Rompe et al. 2010		- Swiss DolorClast® (EMS)	
+	+	+	+	+	-	+	+	-	+	Lohrer et al. 2010	+ Duolith SD 1 radial part (Storz)		
+	+	+	-	-	-	+	+	+	+	7/10	Calcifying tendinitis of the shoulder Subacromial pain Lateral epicondylitis Plantar fasciopathy	Kolk et al. 2013	- Swiss DolorClast® (EMS)
+	+	+	+	-	-	(-)	+	+	+	Engebretsen et al. 2011		- Swiss DolorClast® (EMS)	
+	+	-	+	+	-	-	+	+	+	Gündüz et al. 2012		+ Not specified	
+	+	-	+	+	-	+	+	-	+	Chow and Cheing 2007		+ Swiss DolorClast® (EMS)	
+	+	-	-	+	-	+	+	-	+	6/10	Plantar fasciopathy	Shaheen 2010	+ Swiss DolorClast® (EMS)
+	+	-	+	-	-	+	+	-	+	5/10	Nonspecific shoulder pain Primary long bicipital tenosynovitis Myofascial pain syndrome Lateral and medial epicondylitis Greater trochanteric pain syndrome	Damain and Zalpour 2011	+ Masterpulse MP 200 (Storz)
+	+	-	+	-	-	-	+	-	+	Liu et al. 2012		+ Swiss DolorClast® (EMS)	
+	+	-	+	-	-	-	+	-	+	Cho et al. 2012		+ JEST-2000 (Joeunmedical, Korea)	
+	+	-	+	-	-	-	+	-	+	Lee et al. 2012		+ Swiss DolorClast® (EMS)	
+	+	+	+	-	-	(-)	+	-	-	Rompe et al. 2009b		+ Swiss DolorClast® (EMS)	
+	+	-	+	-	-	-	-	-	+	4/10	Plantar fasciopathy and tennis elbow Spasticity	Mehra et al. 2003	+ Swiss DolorClast® (EMS)
+	+	-	-	+	-	-	-	-	+	Vidal et al. 2011		+ Swiss DolorClast® (EMS)	

1 Subjects randomly allocated to groups

2 Concealed allocation

3 Groups similar at baseline regarding the most important prognostic indicators

4 Subjects blinding

5 All therapists who administered the therapy were blinded

6 All assessors who measured at least one key outcome were blinded

7 Measures of at least one key outcome obtained from more than 85% of the subjects initially allocated to groups

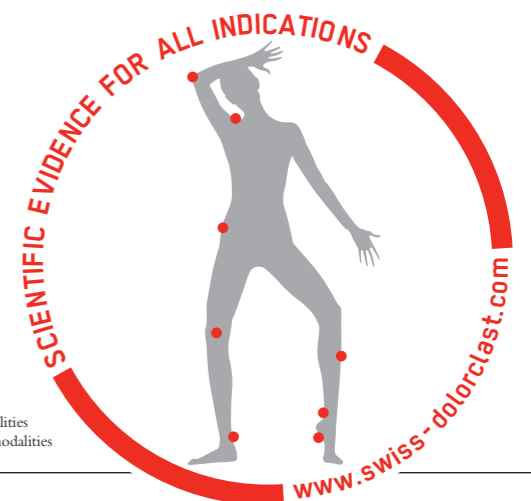
8 All subjects for whom outcome measures were available received the treatment or control condition as allocated or, where this was not the case, data for at least one key outcome was analysed by "intention to treat"

9 The results of between-group statistical comparisons reported for at least one key outcome

10 Both point measures and measures of variability for at least one key outcome provided

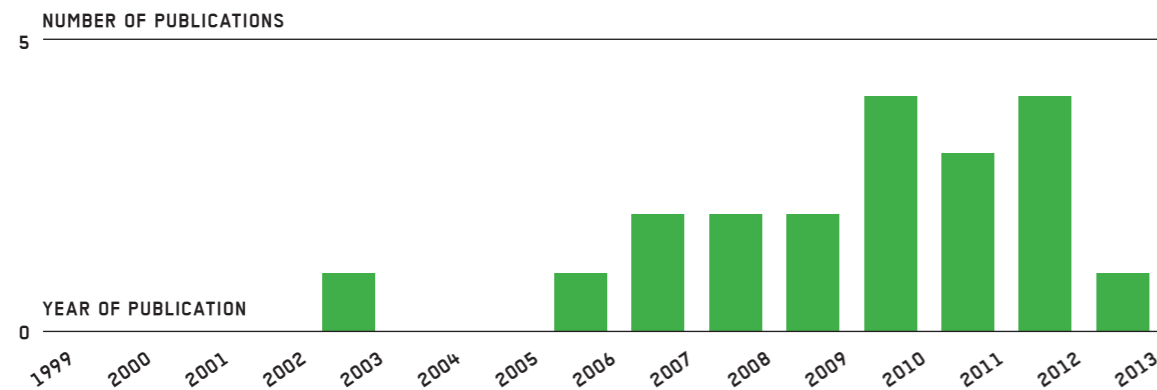
* OUTCOME OF THE STUDY

- + Radial shock wave therapy significantly better statistically than either placebo or alternative treatment modalities
- Radial shock wave therapy significantly not better statistically than either placebo or alternative treatment modalities



SUCCESSFUL FROM THE START

→ CONTINUOUSLY IMPROVED



> Radial Shock Wave Therapy was invented by EMS in 1999. It immediately found its place in pain management of the musculoskeletal system, and has since become an integral part of everyday clinical practice

PEDro IS VALID

> De Morton NA. The PEDro scale is a valid measure of the methodological quality of clinical trials: a demographic study. *Aust J Physiother* 2009;55(2):129-133.

THE RELIABILITY OF THE PEDro SCALE FOR RATING THE QUALITY OF RANDOMIZED CONTROLLED TRIALS WAS DEMONSTRATED IN THE LITERATURE

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**RSWT® IN THEORY AND PRACTICE
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