RICHARD WOLF
spirit of excellence

ELvation® USA

PiezoWave² VET Shockwave Therapy

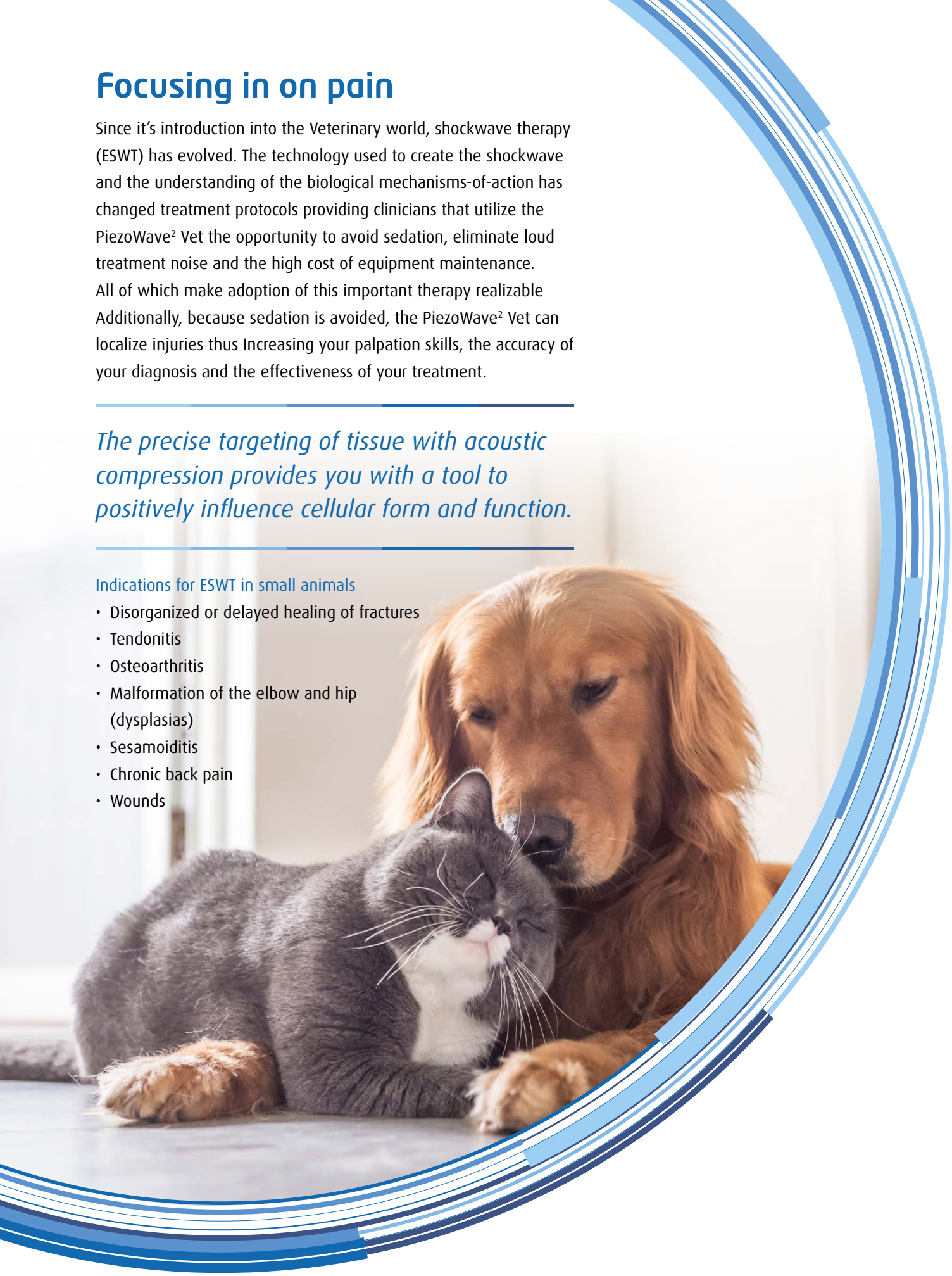
A focused sound approach to treating musculoskeletal injury

Technology with the ability
to pinpoint and treat injuries

Focusing in on pain

Since it's introduction into the Veterinary world, shockwave therapy (ESWT) has evolved. The technology used to create the shockwave and the understanding of the biological mechanisms-of-action has changed treatment protocols providing clinicians that utilize the PiezoWave^2 Vet the opportunity to avoid sedation, eliminate loud treatment noise and the high cost of equipment maintenance. All of which make adoption of this important therapy realizable Additionally, because sedation is avoided, the PiezoWave^2 Vet can localize injuries thus Increasing your palpation skills, the accuracy of your diagnosis and the effectiveness of your treatment.

The precise targeting of tissue with acoustic compression provides you with a tool to positively influence cellular form and function.



Indications for ESWT in small animals

- Disorganized or delayed healing of fractures
- Tendonitis
- Osteoarthritis
- Malformation of the elbow and hip (dysplasias)
- Sesamoiditis
- Chronic back pain
- Wounds

Delivering mechanical energy – not light, electrical or thermal energy

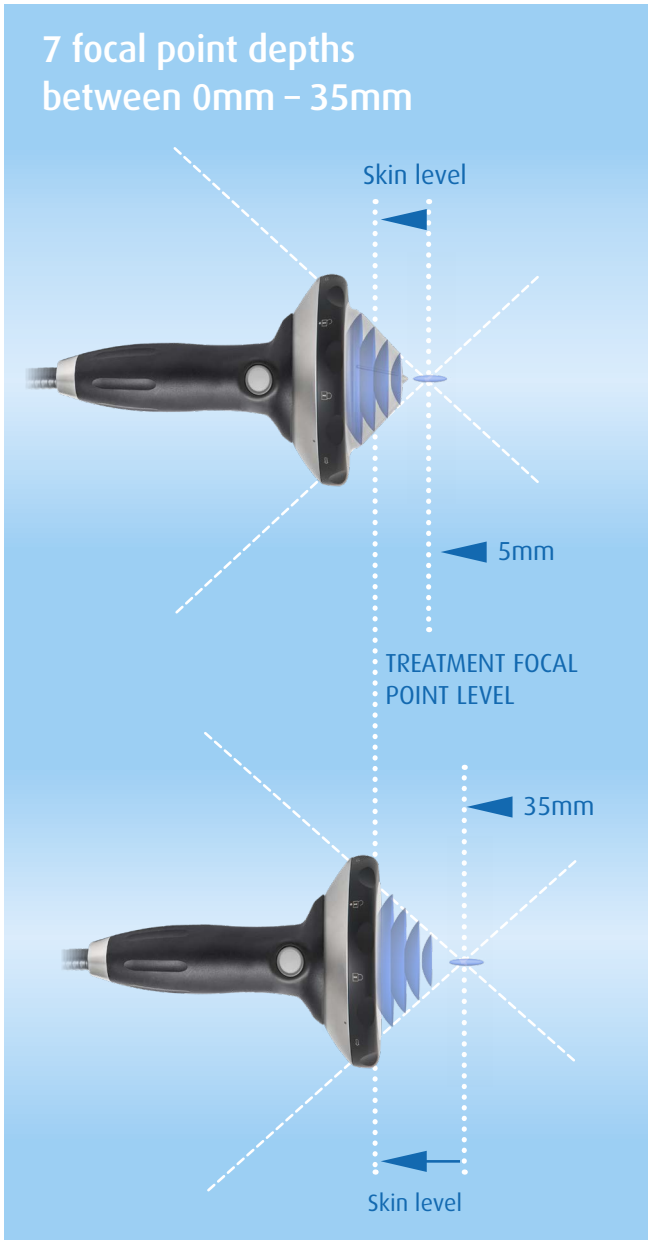
PiezoWave² sends an array of sound waves effortlessly and without sensation through soft tissue to the desired, controlled depth. This results in a effective delivery of energy at a depth that you define without being compromised by tissue absorption.

Tissue Penetration Depth

The PiezoWave² utilizes single and double layer piezo technology to create consistent energy from one pulse to the next. Interchangeable gel pads allow you to control the depth of penetration of the therapy while eliminating the expense of multiple therapy sources.

Modern Shockwave is here!

Delivering therapy where it's needed is simple, inexpensive and more effective without sedation. Now is the time to add this technology to your small animal rehabilitation tool box and offer a powerful and versatile rehabilitation therapy to your clients.



Putting cells into motion

Tenocytes in tendons, fibroblasts in ligaments and skin, osteocytes in bone, chondrocytes in articular cartilage, and endothelial cells in blood vessels are mechanosensitive and respond to mechanical forces.[1,2,3]

Cells also use mechanotransduction mechanisms to convert mechanical signals into a cascade of cellular and molecular events.[1,2,3]

„Our results have been remarkable. Especially with stifles, hips and elbows."
Jody Oelschlager, DVM, CCRP

„We've used the PiezoWave² for numerous bone healing treatments and non unions. Nothing beats it at killing trigger points. I also use it on dogs before chiropractic adjustments as it makes it less painful."
Brad Bartholomay, DVM, CVA, CAC

„The PiezoWave² provides me with a tool to effectively treat pain, break up tissue adhesions and help tissue to remodel properly."
Ilana Strubel MA, DVM, CVSMT, CCRT & A Well Adjusted Pet

1. Ingber D E. Mechanobiology and diseases of mechanotransduction. Annals of Medicine 2003; 35: 1 – 14
2. Wang JHC, Li B. Mechanics rules cell biology. Sports Medicine, Arthroscopy, Rehabilitation, Therapy & Technology 2010, 2:16
3. Neuland H G, Duchstein H J. Manifestation Pattern of the Extracorporeal Shock Wave Therapy using mechanotransduction Orthopädische Praxis 2006; 42, 4

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