

# PiezoWave2 Vet - Small Animal Suggested Guidelines

Condition	Standoff Pad Size (mm)*	Frequency	Number of Pulses	EFD (mJ/mm <sup>2</sup> )	F7G3 Intensity	FBL 10x5G2 Intensity
<b>Acute IVDD</b>	5-15	6-8	750-1000	0.032-0.054	0.6-2	5-8
<b>Chronic IVDD</b>	5-20	6-8	800-1500	0.032-0.072	0.6-3	5-12
<p>Low energy (EFD) treatment is recommended for IVDD. Position the therapy source caudal to the paraspinal processes where the lateral nerve roots exist the spine for the location of the IVDD. Treat bilaterally.            Cautions: do not have lungs or GI tract in focal zone. Avoid direct treatment over a recent laminectomy site.</p>						
<b>Acute Tendon/Ligament Injury</b>	5-15	6-8	750-1000	0.032-0.054	0.6-2	4-8
<b>Chronic Tendon/Ligament Injury</b>	5-15	6-8	1000-2000	0.054-0.097	1-5	8-14
<p>Position the therapy source on the injured or affected tendon and remain stationary or gently rock &lt;10 degrees in all directions.</p>						
<b>Degenerative Joint Disease</b>	5-20	6-8	800-1500	0.032-0.134	0.6-8	5-18
<p>Position the therapy source on the flexed joint. The therapy source is angled for energy to enter the joint and remain stationary or gently rock the probe &lt;10 degrees in all directions. An addition of 500-1000 pulses can be applied on identified trigger points in surrounding muscles.</p>						

\*This is not an exhaustive indication list or explanation- Specific information regarding this technology and protocol development can be found within the Small Animal User's guide (ELvationUSA-vet.com)

Condition	Standoff Pad Size (mm)*	Frequency	Number of Pulses	EFD (mJ/mm <sup>2</sup> )	F7G3 Intensity	FBL 10x5G2 Intensity
<b>General Bone Healing +</b>	5-20	6-8	1500-2000	0.097-0.272	5-15	14-20
<b>Delayed or Non-Union Fractures**</b>	5-20	6-8	1500-3000	0.272-0.346	15-18	n/a
Position the therapy source on the fracture site. Treat area of fracture as well as scan area around fracture to aide in angiogenesis. Cautions: Metal plates will dissipate the sound waves. Treating over a metal pate will only affect tissue between the therapy source and the plate. + sedation may be required **sedation recommended						
<b>Myofascial Trigger Points or Muscle Pain</b>	5-30	6-8	500-1000	0.032-0.134	0.6-8	5-18
Triger points can be identified by scanning the affected muscle with a low EFD. Place the therapy source directly on the trigger point of the muscle. Once identified, hold in position until relaxation of the muscle fibers is noted. If trigger point remains, slightly scan in the direction of the muscle fibers during treatment until trigger point is released. An additional 500-1000 pulses can be applied on identified trigger points in the surrounding muscles.						
<b>Non-Healing Wounds</b>	0	4-6	1000-3000	0.097-0.134	5-8	8-14
Sterile gel should be used over wounds and covered with plastic film. Additional gel is added on top of the plastic film between the film and the therapy source. Therapy source should be moved very slowly over entire area starting at the periphery and moving in.						

- Key Points:**
- The frequency of treatment is case and user dependent. Starting with a treatment every 3-10 days for a total of 3-6 treatments and then making changes based on response is most beneficial.
  - Monitor patient's response to treatment prior to increasing intensity.
  - Patients may experience post-treatment stiffness or soreness that should decrease over time and be less substantial after recurring treatments.
  - Patients may have dramatic improvement, often after the 2nd or 3rd treatment in a series. To prevent injury, do not to let the patient increase activity more than usual during this period.