

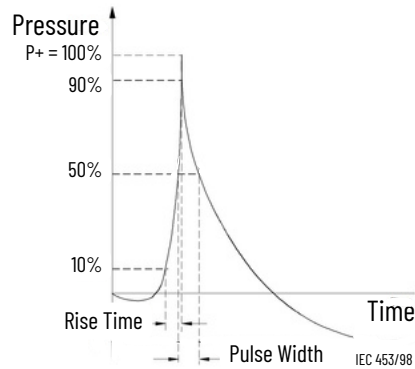


# CS-Pro VET

## Detailed Shock Wave Comparison

### What is a Shock Wave?

- Rapid rise time < 50 ns
- Narrow pulse width < 1000 ns
- High peak pressure (P+)
- Measurable area under curve (EFD)



### Therapeutic Mechanism

Rapid pressure generates shear and tensile forces in tissue, initiating a biological healing response.

**All shock wave characteristics are relevant for optimal treatment results.**

Curative Sound  
CS-Pro VET

Penetration Depth 20 mm

P+ 63 - 71 MPa

Shock Waves Generated?

Rise Time 2 - 6 ns

EFD 0.20 mJ/mm<sup>2</sup>

**Always**

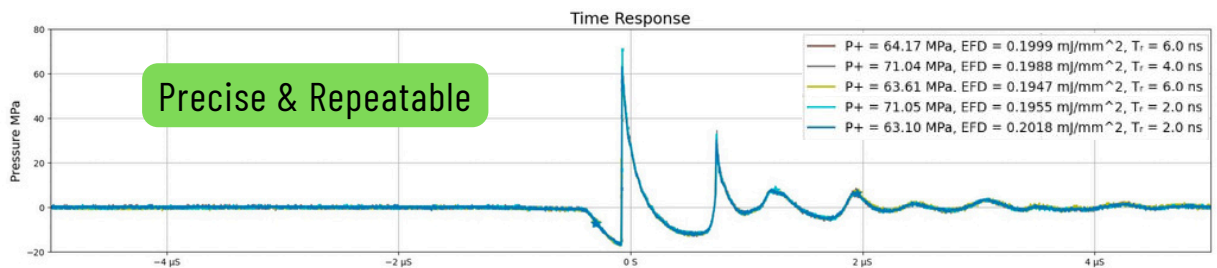
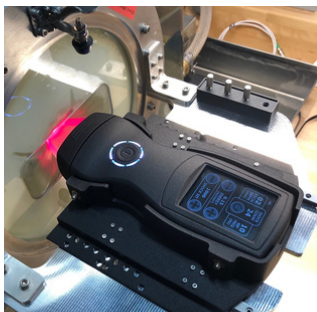


Figure 1. Five independent CS-Pro VET shock wave pulses

Leading Electrohydraulic  
Competitor - Traditional

Penetration Depth 20 mm

P+ 30 - 66 MPa

Shock Waves Generated?

Rise Time 10 - 538 ns

EFD 0.5 - 0.8 mJ/mm<sup>2</sup>

**Sometimes**

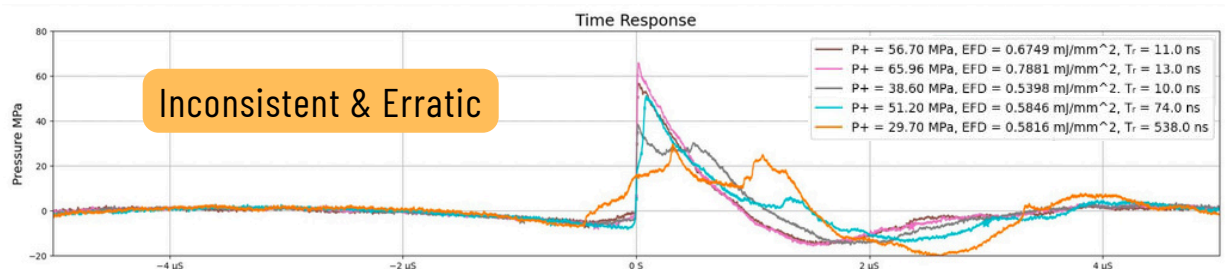


Figure 2. Five "focused" electrohydraulic pulses

Leading Electrohydraulic  
Competitor - Reduced Pain

Penetration Depth "Shallow"

P+ 11 - 29 MPa

Shock Waves  
Generated?

Rise Time 422 - 3636 ns

EFD 0.06 - 0.15 mJ/mm<sup>2</sup>

**Never**

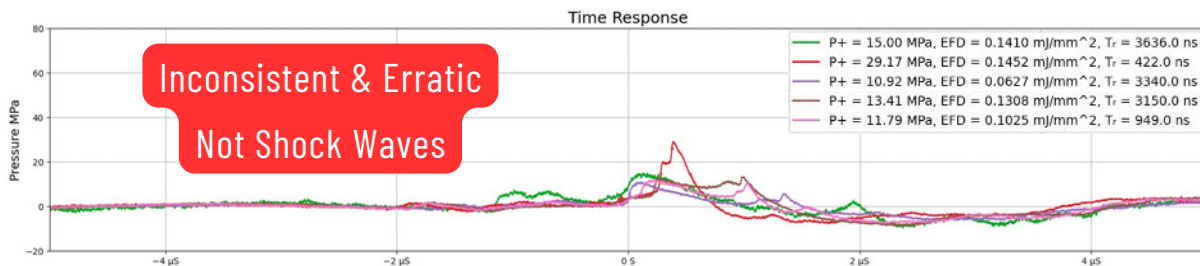
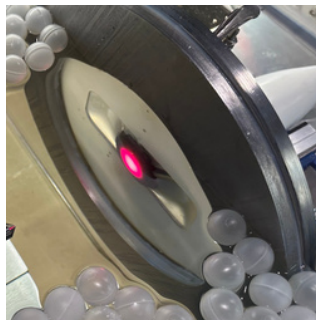


Figure 3. Five "defocused" electrohydraulic pulses

CS-Pro VET: Powerful, precise and consistent shock waves at all depths, across all energy settings.

Curative Sound CS-Pro VET

Leading Electrohydraulic Competitor

Standoff	EFD	Consistent Shock Waves?
2 mm	0.12	Yes
5 mm	0.14	Yes
10 mm	0.17	Yes
20 mm	0.20	Yes
30 mm	0.22	Yes

Note: All measurements are from devices tested at energy setting 6.

All data measured using a fiber optic hydrophone in an ultrasonics test tank per the IEC 61846 standard.

Trode	EFD	Consistent Shock Waves?
Reduced pain: Shallow	0.06 - 0.15	No
Reduced pain: Deep	0.02 - 0.06	No
Traditional: 20mm	0.5 - 0.8	No
Traditional: 35mm	0.5 - 1.1	No
Traditional: 80mm	0.3 - 0.4	Yes

