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**CAUTION: MICRO-PULSE ICES PRODUCTS ARE NOT APPROVED BY THE FDA FOR ANY HUMAN USE.**

**CAUTION: MICRO-PULSE ICES PRODUCTS ARE NOT PROVEN SAFE AND EFFECTIVE FOR ANY USE.**

## **Cortical Metrics - ICES PEMF - Pilot Study 3-30-2017**

ICES PROTOCOL USED BY WILLIAM PAWLUK, M.D.

Recovery was quantified using BrainGauge:

<https://www.dropbox.com/s/mwrinidaqxf1sr2/Pilot%20study%20final.docx?dl=0>

DEVICE: ICES Model A9a modified to run one frequency only: 10 Hz (5 pulses per second) continuously.

This stimulation pattern is identical to Mode #1 on the ICES models A9 and P2

COIL PLACEMENT (still under investigation, not yet optimized)

First Placement of Coils was coils on opposite sides, front and back of head.

Second Placement of Coils was on opposite sides of head across the temples.

Optional Placement of Coils was across the occipital lobes, side of head, coils on opposite sides of head.

Stimulation was two hours every day at approximately the same time every day, to accommodate the subject's schedule. Study continued for up to 3 months of daily use. All 8 subjects showed marked improvement within 6 weeks.

Based on the study so far, the suggested treatment for any head injury, or multiple injuries is:  
one hour in First Placement, front and back of head, followed by  
one hour in Second Placement, across the temples, coils on opposite sides of head  
(2 hours total) every day, at approximately the same time every day.

POWER SETTING:

Begin with "L" (LOW) on Day 1

If no adverse reaction, raise to "M" (MEDIUM) on Day 2

If no adverse reaction, raise to "H" (HIGH) on Day 3, and keep on HIGH for the remainder

Most people had a headache for the first 2 to 3 days. None of them were disabling and none of them required medication, or medical attention, even the severe TBI people.

Typically the treatments would be daytime or evening every day. Treatment continued for up to 3 months.