



## THE IMPORTANCE OF RANDOMIZED CONTROL TRIALS (RCTs)

Out of the four recent studies conducted outside the U.S., two were Randomized Control Trials (RCTs). Both the Department of Surgery, Jingxi Hospital in Beijing, China, and The Medical University of Lodz, Poland, published RCT research results comparing the effects of the PulStar's Multiple Impulse Therapy to their hospital's standard therapy for low back pain.

The RTC method of clinical research is considered the "Gold Standard" for clinical studies. It is so difficult, expensive and time consuming that only 15 percent of all medical procedures have been evaluated this way. Extraordinarily, the PulStar has now been validated twice using the RCT in two separate countries, with impressive results.

### POLISH RCT STUDY: "MULTIPLE IMPULSE THERAPY AND SAUNDERS LUMBAR TRACTION METHODS IN THE TREATMENT OF LOW BACK PAIN: A RANDOMIZED CONTROLLED TRIAL"

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**STUDY OBJECTIVE:** Researchers at the Medical University of Łódź in Poland set out to compare the effects of the PulStar multiple impulse therapy to their standard therapy technique, Saunders Lumbar Traction.

**METHOD:** Researchers used the RCT format to study 193 adult patients, who signed their consent to participate in the study, with low back pain and pain-induced limited spinal mobility without lumbar spinal stenosis. Patients were divided (98/95) and randomly assigned into an observation group and a control group: the control group received therapy from the Saunders traction device and the observation group received PulStar multiple impulse therapy. Multiple impulse therapy patients received five sessions, and the Saunders patients received fifteen sessions. Researchers chose to assign the groups randomly, rather than controlling factors such as even distribution of age and gender, as these factors have no proven effect on the treatment of back pain.

[Click here to read the full study](#)

Since 2016, researchers in Poland and China have conducted four separate studies which proved the effectiveness of PulStar Multiple Impulse Therapy compared to other techniques. [Click here](#) to access the other studies.

### RESULTS:

- Both the PulStar and Traction were effective in relieving pain
- The PulStar was more effective than Traction in relieving pain
- The PulStar required fewer treatments to achieve pain relief than Traction
- The PulStar treatments were pain-free
- The PulStar treatments were more effective for a longer time than Traction treatment

### WHAT DO THESE STUDIES MEAN FOR YOU?

First, if you want to offer the most effective instrumentation for low back pain relief, you want to choose a PulStar. Secondly, if you want a painless treatment for your patients with no known side effects, you want to choose a PulStar. Third, if you want your practice to offer the fastest relief, you want to choose a PulStar. Fourth, if you want to offer 21st-century care, choose a PulStar. Fifth, if you want to have a clinically-proven system, choose the PulStar! Visit [www.pulstar.us](http://www.pulstar.us) for more information.