

ECSWT - U.S. Experiences/Studies

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The U.S. FDA has approved 3 ECSWT devices for usage: 1) Healthtronics Ossitron (Oct. 2000) - Electrohydraulic; 2) Dornier Epos Ultra (Jan. 2002); and Siemens/Sonocur (2004) Electromagnetic. A piezoelectric device is only in clinical trials.

The Ossitron and Epos are \"high energy\" single treatment devices. The Siemens Sonocor is a \"low energy\" multiple treatment device.

The Ossitron device is currently FDA approved for plantar fasciitis and lateral epicondylitis. The Epos Ultra is approved for plantar fasciitis only and the Sonocor is approved for lateral epicondylitis only.

The clinical studies of Ossitron (Healthtronics FDA study) and Dornier FDA will be presented.

One study of 150 patients by Theodore and another by Wiel (96) patients for plantar fasciitis with Epos will be reviewed. The studies for calcific tendonitis of the shoulder by Klimkiewicz (2005) and Gerdesmyer (2003) will be presented.

The two principal U.S. studies of successful Sonocor treatment of lateral epicondylitis of Dunham (2004) and Pettrone (2004) will be discussed.