



### IN THIS ISSUE

1. This months news
2. The transport of extremely low-frequency electrical signals through an acupuncture meridian compared to non-meridian tissue.
3. Upcoming Events Calendar for 2011

### This month in the news..

Welcome to the March Issue of the Acupuncture.com.au monthly newsletter.

If you wish to contribute a story or article about Acupuncture or Traditional Chinese Medicine please contact the Acupuncture.com.au team through the web.

## 28/02/2011 - The transport of extremely low-frequency electrical signals through an acupuncture meridian compared to nonmeridian tissue.



**Abstract Objectives:** This study investigated the manner in which extremely low-frequency (ELF) electrical energy is transported through biologic tissues, focusing on the differences between an acupuncture meridian and nonmeridian tissues. **Design:** Using inserted needles as the electrodes, the energy transport properties of the Large Intestine (LI) meridian were compared to a control channel that had the same length as the meridian channel and comprised similar soft tissue.

**Subjects:** Twenty (20) participants were tested at the University of New Hampshire, Durham, with ages ranging from 22 to 60 years old. **Intervention:** A Gaussian pulse with spectral energy extending into the kilohertz range was launched using a low-impedance amplifier at the distal point on either the LI meridian or a nearby control channel. The signal launched was measured at the proximal point using a high-impedance instrumentation amplifier. The ground reference for both the launch and receiver locations was a needle inserted in the lower leg. After taking the Fast Fourier Transform, power spectral measurements were calculated, giving a single value representing power density of the measured potential in the 2-100-Hz range.

**Results:** A paired, two-sided signed rank test was performed. For the data pairs in this study,  $p=0.035$ , indicating that they are dissimilar with a statistical significance.

**Conclusions:** The ELF electric energy is transported somewhat more efficiently through the LI meridian compared to a nonmeridian control. The

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results were not dramatic, with some participants giving greater values on the control channel, but they were statistically significant.

**Country:** USA / **Institute:** 1 Research Department, New England School of Acupuncture , Newton, MA. / **Author(s):** Spaulding K, Chamberlin K. / **Journal:** J Altern Complement Med. 2011 Feb;17(2):127-32.

# Upcoming Events Calendar for 2011

## **April 30—Classical 5 Element Acupuncture**

Sydney - Gye Bennets When: 9am - 5pm, Where: The Intuitive Well - Bondi Junction

Contact: Gye Bennet on (02) 8084 1741 or [courses@5element.com.au](mailto:courses@5element.com.au)

This is a multi-day event ending on the 01/05

## **May 2—Ko Phagnan, Thailand - Meridian Circuit Systems**

When: 10.00am - 1.00pm, Where: 112 Haad Tien

Contact: James Spears on 01 707-206-7473 or [james.spears@ihsociety.com](mailto:james.spears@ihsociety.com)

This is a multi-day event ending on the 06/05

## **May 14—Classical 5 Element Acupuncture**

Melbourne - Gye Bennets When: 9am - 5pm, Where: Endeavour College of Natural Medicine - City-

Contact: Gye Bennet on (02) 8084 1741 or [courses@5element.com.au](mailto:courses@5element.com.au)

This is a multi-day event ending on the 15/05

## **May 28—Classical 5 Element Acupuncture**

Brisbane - Gye Bennets When: 9am - 5pm, Where: Latrobe Health Centre - Paddington

Contact: Gye Bennet on (02) 8084 1741 or [courses@5element.com.au](mailto:courses@5element.com.au)

This is a multi-day event ending on the 29/05