

### **New developments in blood flow hemoencephalography**

TIM TINIUS. 102 pp. **Price:** 14.95 USD. **Publisher:** Haworth Medical Press. **Date of Publication:** 2005. **Place of Publication:** New York. **ISBN:** 0-7890-2750-X.

The book comprises of 5 articles, which have been co-published in the Journal of Neurotherapy Volume 8 (2); 2004. The articles are thought provoking, but the explanation of the technical aspects such as physics of light bands, imaging techniques and EEG recordings are not sufficiently explained in a systemic fashion. This may lead to hamper an imitative procedure of researchers in the field of hemoencephalography (HEG). The study size in almost all of the articles, except one, a case study, was extremely small for the author's strong and significant conclusions in the fields of cerebral blood flow in central nervous system (CNS) functions/dysfunctions. The figures showed minimal explanatory legend. The infrared image of the

author wearing the sensor is colorful without an explanatory note (page 33).

On the other hand, Dr. Tinius has brought about an innovative advanced technical biofeedback device in the field of changing blood flow of CNS using HEG. The study results in concussion, head injury, and attention deficit hyperactive disorder and migraine are promising and demands further clinical study and basic research on the validity and reliability of this advanced technique. This will lead us on a new path of non-invasive management of a wide variety of CNS symptoms encountered by neurologists in their daily practice.

The book can be used as a reference for the neurologists, neuropsychiatrists, neurotherapists and the researchers. It is a good buy, and I would recommend it is made available in all medical libraries in the Kingdom.

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