

Venue:	Doody's Book Review Service
Title:	Book Review: Multi-modality neuroimaging study on neurobiological mechanisms of acupuncture, Jie Tian
Date:	2018
Type:	Book Review
Author(s)/ Presenter(s):	Barbara Gosse
Abstract (or Book Review):	<p>Description</p> <p>This is a well-written and illustrated assessment of the efficacy of Traditional Chinese Medicine (TCM) using modern assessment tools, including MRI, EEG, and MEG. The book looks at targeted areas of the brain and their function in relationship to classical TCM theories.</p> <p>Purpose</p> <p>This is a very interesting use of assessment tools, as well as modern knowledge of the brain and its functions, to assess an ancient medical model. The author is very adept at incorporating the history of acupuncture research as well as speculating on the future structure of acupuncture research and the potential incorporation as well as use of TCM in modern medical contexts.</p> <p>Audience</p> <p>The audience includes any medical providers or students with an interest in the efficacy of TCM, whether they come from a TCM background or from a western medical background. The book incorporates a depth of knowledge of both paradigms of thought and synthesizes the science of both. The author appears to write for the person adept at the structure of research, although the book is a relevant resource for any medical student or practitioner interested in the neurobiology of acupuncture.</p> <p>Features</p> <p>The book covers the history of acupuncture research using MRIs and progresses into modern acupuncture research using MRIs, EEGs, and MEGs. Initially the book reports on the areas of the brain that are activated by acupuncture. It then progresses to illustrate the creative development of the use of modern tools and research to further analyze and study the theory of TCM energetic effects of acupuncture points, and correlates the energetics with the appropriate areas of the brain and CNS functions. There are numerous</p>

examples of research as well as a multitude of images describing the effects of acupuncture on many medical disorders. This is a small book that is packed full of information and resources.

Assessment

I love this book and will incorporate its contents into classes that I teach. It elevates the efficacy of TCM for the standard medical community by using accepted medical structures of research to explain the biomechanics of acupuncture. It also explains medical research and science's applicability for further study and use of TCM in an organized and integrated way in medicine.