

## E-BABE- Developing the evidence for kinesiology-style manual muscle testing: Designing and implementing a series of diagnostic test accuracy studies

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**Background:** Kinesiology-style manual muscle testing (kMMT) is used to assess neuromusculoskeletal integrity. Some kMMT techniques assess a patient's response to semantic stimuli. A muscle was able to resist significantly more force following true statements compared to false statements. However, the clinical utility of kMMT has not yet been firmly established. Therefore, the aim of these studies was to estimate the accuracy of kMMT to distinguish true from false statements under varying conditions.

**Methods:** Practitioners who routinely use kMMT and kMMT-naïve test patients (TPs) were recruited. In all 3 studies TPs were shown pictures on a computer, and were instructed to make simple true or false statements about the picture, after which the kMMT was performed. Study 1 included 48 unique practitioner-TP pairs, whereas study 2 included 20 pairs, and study 3, 20 TPs. In studies 1 and 2, each practitioner performed 40 kMMTs. In study 3, the influence of the practitioner was removed and replaced by a handle-held dynamometer.

**Conclusion:** kMMT when performed by a practitioner may be useful at distinguishing true from false statements, whereas a dynamometer is not.

### Biography

Anne M. Jensen is a Clinical Researcher and a Published Author on emotional healing and stress reduction. She is currently completing her Ph.D. through the University of Oxford in the UK where she is studying the effects of nonconscious beliefs. She also maintains a private practice consulting with people from around the world, where the focus of her practice is mind body wellness.

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## Noble drug development through traditional medicine: Way forward to global human health

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Since dawn of civilization, Ayurveda has been the most holistic system of medicine serving human society. Ayurvedic medicaments are safe and effective and passed all tests with many ups and downs in due courses of time. Last decade of last century witnessed an interesting attention of western world to good effects of Ayurveda doctrines and therapy. Over thousands of formulations are indicated in classics of Ayurveda to treat diseases. The dosage forms, dose and duration of administration of Ayurvedic medicines invite advancement through contemporary techniques to explore its full potency. On other side, conventional medicine (allopathy medicine) has reached to its saturation in sense of new drug discovery. Synthetic chemical entities are cause of several side effects which are unwarranted in therapy. Therefore, researches in drug discovery demands discourse of reverse pharmacology to draw dimensions of a new noble drug. Treasures of traditional medicines may be transformed into validated new medicines free from side/adverse effects to serve human globally. Amendments of rule 122 and schedule Y of Drugs and Cosmetics Rule, 1945 is a positive sign in this direction which will result with a series of new drugs known as phytopharmaceuticals. In these amendments guidelines are given to reveal properties of plants which are already used in traditional medicines. Taking track records of Ayurvedic literature, new natural molecules are being tested to treat disorders of almost every system of human body. Apart from this approach, classical formulations like *Amalaki Rasayan* and *Panchguna taila* are verified for its clinical utility on principles of drug discovery.

### Biography

Anand Kumar Chaudhary has completed his Ph.D. at the age of 35 years from Banaras Hindu University. He is Associate Professor of Ayurvedic Pharmaceutics at Faculty of Ayurveda, Institute of Medical Sciences, a premier central university organization. He has published more than 75 papers in journals. He guided 26 Master dissertations four Ph.D. students. He delivered more than 60 invited talks in national/international seminars. In September, 2012 he visited Germany on invitation of Rosenberg European Academy of Ayurveda, Breislin. He has been empanelled as subject expert in various committee of Government of India.

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