Study Methodology of Evaluation and Criteria in TCM Specialized Technique

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Outline

- Background
- Methods and Paths for evaluation
- Case Reports
The key research center of clinical evaluation of state administration of TCM

The TCM branch of Evidence-based medicine online cooperation in China
Background

- TCM specialized techniques, which are accepted by their cheapness and effectiveness, are abundant in the Chinese folks.
- However, these techniques are NOT overall accepted, due to their lack of the scientific and objective evidence of efficacy and safety.
- Besides, some FAKE specialized technique for large fortune do harm to the folks and defame the REAL ones.
Overview of the specialized technology of TCM

- The state administration of traditional Chinese medicine, science and technology exchange center attaches great importance to the specialized technology of TCM on research, popularization and application.

- 2008: The national “11th five-year” science and technology support project: The standardized demonstration research of 50th specialized technology of TCM.

- The “12th five-year” national science and technology support project: Inheritance research on distinguished veteran doctors of TCM on specialized technology.

- The Chinese medicine clinical diagnosis and treatment technology projects established by the state administration of TCM on 2001.
Now many of the specialized and effective diagnosis and therapeutic techniques and methods are scattered among the folks. Thus, we need to collect them in time.

Wang Guoqiang
Director-general of the State Administration of Traditional Chinese Medicine

http://news.xinhuanet.com/health/2013-02/16/c_124348175.htm
Definition

- TCM specialized techniques refer to that “the herbs, TCM prescription and therapeutic techniques have some special effectiveness, which have been used in some region or folks for prevention and therapy of diseases with clinical experiences, yet they lack systematic theory TCM or are not record in the codes”.
Based on the characteristics of TCM specialized techniques, clinical epidemiology and evidence-based medicine, we established a process for the third party to assess the techniques alone and the methodology for the evaluation, in order to provide the scientific and objective evidence of the TCM tech.
Methods and Paths

Step by step process of the qualitative and quantitative studies
In the real world, the TCM new techniques have their way to grow up thru the accumulation, purification, development and the establishment, and from the individuals to the population, whose model fits “Step-by-Step” with the gradual and sudden changes.

This model accords to the methods the “alternations of observation and experiment study, and of qualitative and quantitative study”. Form the evidence chain of clinical cause and effect relation from the key factors like participants, intervention, efficacy and control in every Step.
Assessing pathway scanning, standardizing & assessing

- Standardizing the key factors of tech
- Scanning the effective tech
- Assessing the effectiveness of tech
- Establishing the “third party” system

Observation and experiment study

Effectiveness and safety Evidence
Expect

1. Develop the clinical evaluation methods and protocols for TCM specialized techniques.

2. Case study: scanning specialized diagnose and treatment techniques, and conducting clinical research, then formatting the popularization and application treatment protocols.

3. Develop online research declare and registration system, complete TCM clinical evaluation techniques platform.

4. Improve the third party assessment organization operating mechanism, standardizing the assessment technological process.
Case reports

Synthesis of the five diagnostic and blood pressure balancing therapy come from Benjamin Wu, Benjamin Balance Treatment Centre. This is the tech for disease diagnosis and evaluation, according to the theory of “six Zhang” (heart, liver, kidney and lung, spleen, Ming Men) in the cun kou pulse and the parameters from “two-arm blood pressure instrument”
Theory of the relationship between two-arm blood pressure (BP), heart rates (HR) and Zang Fu organs.

- **L**SBP — Lung
  Head, face, throat, tonsil, thyroid, chest, thymus and Shang Jiao

- **HR** — Heart
  Sleep, large San Jiao circulation

- **R**SBP — Liver, gallbladder

- **L**SBP — Spleen, stomach
  Pancreas, Zhong Jiao

- **R**SBP — Kidney
  Large and small intestine
  The reproductive system, Xia Jiao
Practice of TCM pattern-treatment-effectiveness according to the theory of BP & HR

BP bridge the TCM and Modernized medicine
Observation of consistency of test BP between single arm and 2-arms.

- Observation of BP data stability indicated there's little clinical significance between BP data of single arm test and 2-arms test with 4 successive times.
Contrast observation of BP & PP difference between insomniac and normal crowd

- **Note:** Insomniac is diagnosed by the scale of SPIEGEL.
Case report 1

Liu M  44 years  diagnosis: hypertension

History: vertigo, hypertension 2 mths, GLU after meal: 9.0mmol/L

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2013.1.14

- L1: 155 / 105 / 74
- R1: 155 / 108 / 73

- BP descend, pulse slippery with on power
- Dizziness and pain are relieved, BP descend, pulse slippery with on power

2013.3.4

- L1: 144 / 100 / 79
- R1: 146 / 105 / 79

- BP descending, sometimes uncomfortable in the throat, dark red tongue, middle yellow fur

2013.5.27

- L1: 141 / 94 / 74
- R1: 133 / 92 / 79

- Feeling well, BP descending, sometimes uncomfortable in the throat, dark red tongue, middle yellow fur
## Case report 2

He F  36 ys  
**diagnosis:** insomnia, depression  
**Symptoms:** sleep less than 5 hs per day, or even awake in the whole night with little depression.

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Sleeping average about 7 hs per day, periodic feeling of swelling, insomnia aggravating before menses, red tongue, thin yellow fur, pulse stringy with guan weak.

Feeling well, sleep and appetite well, red tongue, less fur, slippery and stringy pulse with guan weak.
Song Zhaopu, president of Jin Geng rehabilitation hospital in Ruzhou City, Henan Province, treated children cerebral palsy effectively with the integrated therapy of traditional Chinese medicine (TCM), from 15 orphans in Henan since 2009. The comprehensive rehabilitation treatment of children cerebral palsy has its characteristics and feature. This method maximizes to improve cerebral palsy children's brain with the principle of nourishing kidney and liver, strengthening tendons and bones, nourishing marrow and essence, at the same time complementary with massage, acupuncture, and functional training, physical therapy, such as rehabilitation, cases more concentrated in the treatment of cerebral palsy children under 6 years of age.
TCM in the children cerebral palsy

Methods:
1) Observation of patients
2) Interview
3) Retrospective study of 98 cases
4) Typical case analysis
5) Perspective study
6) The “third party” assessing
7) Generalizing

Cerebral palsy orphans
Cerebral palsy orphans case report

1. Zhen xiaochun 6 Months
   Treat for 13 months (2009.5.29-2010.6.11)

2. Dang Tianzi 5 Months
   Treat for 13 months (2009.5.19-2010.6.11)

3. Dang Xiaodi 3 Months
   Treat for 8 months (2010.5 29-2011.1.20)

4. Dang Lei 18 Months
   Treat for 16 months (2009.6.20-2010.10.6)
TCM specialized techniques should be assessed by the “third Party”, from standardizing the key factors to scanning the effective tech and to assessing the tech effectiveness, in which process we established a “Step-by-Step” methodology for the scientific, objective evidence of tech’s effectiveness, safety and economical.
Thanks!

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