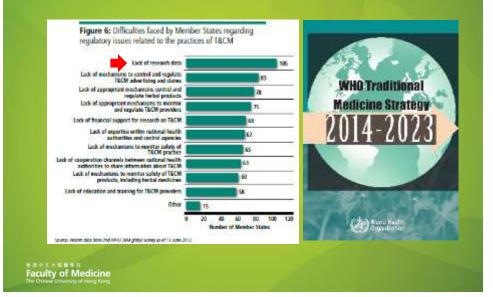


香港中文大學醫學院 Faculty of Medicine The Chinese University of Hong Kong Dr Regina Sit, Dr Jill Abrigo, Dr Lee Kit Fai, ong Ching Ning, Dr Alex Lau, Ms Jessica Ching, Dr Wu Xin Yin The Hong Kong Institute of Integrative Medicine Department of Surgeny Department of Imaging and Interventional Radiology School of Public Health The Chinese University of Hong Kong ISOPOR Singapore Conference Sep, 2016



香港中文大学教学院 TANG, J.L., S.-Y. ZHAN, AND E. ERNST, REVIEW OF RANDOMIZED CONTROLLED Faculty of Medicine The Orivest University of Hong Kong P. 160-161.

How we should evaluate the evidence?



The best clinical trial impact the industry

The Constant And C

Treatment of irritable Bowel Syndrome With Chinese Herbat Medicine A Randomized Controlleri Trial

Is classical RCT adequate to evaluate the effectiveness of CAM? **Objective.**—To determine whether Chinese herbal medicine (CHM) is of any benefit in the treatment of IBS. **Design.**— Randomized, double-blind, placebo-controlled trial

conducted during 1996 through 1997.

Intervention.— Patients were randomly allocated to 1 of 3 treatment groups: individualized Chinese herbal formulations (n=38), a standard Chinese herbal formulation (n=43), or placebo (n=35). Patients received 5 capsules 3 times daily for 16 weeks and were evaluated regularly by a traditional Chinese herbalist and by a gastroenterologist. Patients, gastroenterologists, and herbalists were all blinded to treatment group.

treatment group. **Results.**— Compared with patients in the placebo group, patients in the active treatment groups (standard and individualized CHM) had significant improvement in bowel symptom scores as rated by patients (P = .03) and by gastroenterologists (P = .001), and significant global improvement as rated by patients (P = .007) and by gastroenterologists (P = .002). Patients reported that treatment significantly reduced the degree of interference with life caused by IBS symptoms (P = .03). Chinese herbal formulations individually tailored to the patient proved no more effective than standard CHM treatment, only the individualized CHM treatment group maintained improvement.

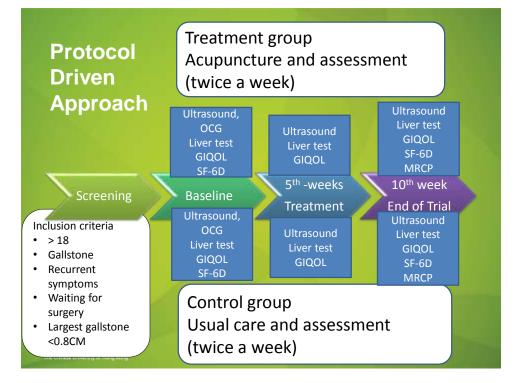
Conclusion.— Chinese herbal formulations appear to offer improvement in symptoms for some patients with IBS.

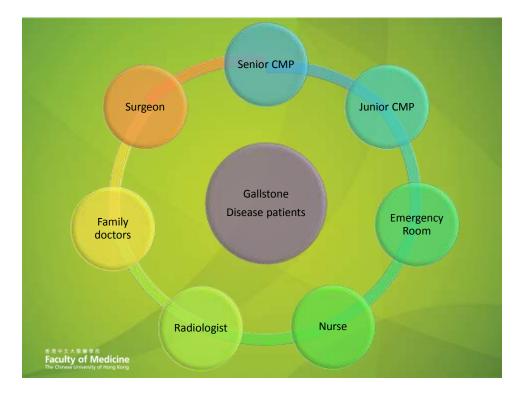
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An illustrated example Unmet needs of gallstone disease in HK

- Gallstone disease is affecting 10%-15% adult population^[1]
- 2-3% in Hong Kong^[2]
- 20-30% are symptomatic^[1]
- Cholecystectomy within 24-hours is the gold standard treatment for acute cholecystitis^[3, 4]
- Hong Kong: Average waiting time ranged from 9 months to years
- Aims:
- to evaluate the effectiveness and safety of EA
- to explore the cost of additional acupuncture services against usual care
- Randomized, assessor-blinded, wait-list control study

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Electro-acupuncture treatment



Chinese Medicine theory driven approach recommended by WHO

- 1) Ancient TCM literature;
- 2) Published literature;
- 3) Experts clinical experience

(I) Increase gallbladder secretion function(II) Increase relaxation of the Sphincter of Oddi(III) Increase secretion of bile

• Dangerous but highly effective acupuncture

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Outcomes

- At baseline, 5th week (mid of treatment) and 10th week post treatment
- proportion of patients to have total excretion of gallstones.
- Successful excretion of gallstones defined as negative ultrasonography of gallstones results
- The proportion of patients who complete the whole course of the treatment, days in treatment or withdrawal), will be investigated

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Estimating Cost

- Patients level
 - Out of pocket
 - Time (Home ⇔ Clinic/ Hospital)
 - Consultation fee
 - Medication fee
 - Quality of Life adjusted life years (QALYs) EQ5D or SF-6D
- Clinic Level
 - Process of Care
 - Number of additional staff
 - Equipment purchased (i.e. office space, printer, needles etc)
 - Promotional items

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How reliable is the information we can obtain from patient's self-reports?

Ganna A, Ingelsson E, Lancet. 2015 Aug 8;386(9993):533-40.

sity of Hone Kone

Findings About 500 000 participants were included in the UK Biobank. We excluded participants with more than 80% variables missing (n=746). Of 498 103 UK Biobank participants included (54% of whom were women) aged 37–73 years, 8532 (39% of whom were women) died during a median follow-up of 4.9 years (IQR 4.33–5.22]. Self-reported health (C-index including age 0.74 [95% CI 0.73–0.75]) was the strongest predictor of all-cause mortality in men and a previous cancer diagnosis [0-73 [0-72-0.74]] was the strongest predictor of all-cause mortality in women. When excluding individuals with major diseases or disorders (Charlson comorbidity index >0; n=355 043), measures of smoking habits were the strongest predictors of all-cause mortality. The prognostic score including 13 self-reported predictors for men and 11 for women achieved good discrimination (0-80 [0-77–0-83] for men and 0-79 [0-76–0-83] for women) and significantly outperformed the Charlson comorbidity index (p=0-0001 in men and p=0-0007 in women). A dedicated website allows the interactive exploration of all results along with calculation of individual risk through an online questionnaire.

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Interpretation Measures that can simply be obtained by questionnaires and without physical examination were the strongest predictors of all-cause mortality in the UK Biobank population. The prediction score we have developed accurately predicts 5 year all-cause mortality and can be used by individuals to improve health awareness, and by health professionals and organisations to identify high-risk individuals and guide public policy.

Qual Line Bris (2012) (21/07) 488 DOS 10.1007/scillab.001/980213

Weiningson Based Complementary and alternative block-ten tokane 2015. Article 20 40107, 55 pages. http://dx.doi.org/10.1210/2015.001001

Psychometric properties of the Cl (HK version) in Chinese and Wes settings

Wandy Wong - Cindy Lo Kaon Lass Knok Pai Leung - Li Ziao

Assepted, 25 July 2011 (Published solver: 18 August 2011 II: The Automa 2011 This article is published with cost source

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Research Article

Validation of the Constitution in Chinese Medicine Questionnaire: Does the Traditional Chinese Medicine **Concept of Body Constitution Exist?**

Wendy Wong, 3 Cindy Lo Kuen Laus, 1 Vivian Taam Wong, 3 Zhi Min Yang, 3 Eric T. C. Zien, 2 and Andrew Ka Lun Kwan 2

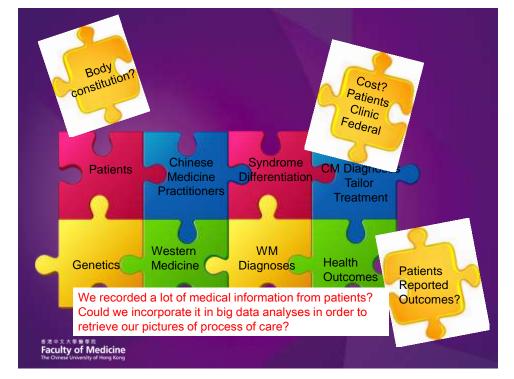
¹ Department of Tomb Medicine and Primary Care. Sin Conversity of Energ King, Diring King, "Others Medicine Department and Integrative Medicine. The Dong King Despited readomity Hong King 2007 Tasks Constants, According proc.

n = 3,525**Patients Reported** outcomes Socio-demographic data Health status

Faculty of Medicine



n = 6,393**Body constitution** prevalence Socio-demographic data





Acknowledgement

wendy.wong@cuhk.edu.hk

Health and Medical Research Fund (Ref: 13141331) Joint CUHK- NTEC Clinical Research Ethics committee (CREC. Ref no. : 2014.578)

Medicine

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Hong Kong Institute of Integrative Medicine

- Only academic institute of Integrative Medicine in HK
- Inaugurated on 28 September 2014
- Strong support from Innovation and Technology Commission
- Donations from Hong Kong Jockey Club, Lanson Foundation, Mr. and Mrs. KH Law, Dr. and Mrs. Edwin Yu
- Converted from a ward of 5000 sq. ft.



Mission

Research

- Applied clinical research that changes practice and policy
- Innovations in Chinese medicine
- Education
 - Mutual understanding of healthcare professionals from different disciplines
 - Clinical research expertise in Chinese medicine
- Service
 - Pioneering integration of Chinese medicine in conventional Western healthcare service
 - Practicalities of integrative medicine

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Distinctive Features

- Evidence-based practice driven by original research
 - Systematic review, meta-analysis, clinical trial, big data
- Chinese medicine-led model
- Western clinician as gatekeeper
- Dedicated clinical team model
 - Specialty-based team with high level of communication
- Reach out to the community
 - Primary care networking led by Family Physicians
 - Public education and volunteer service
- Go international
 - International alliance in research, education and service

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Practice of Integrative Medicine

- Multidisciplinary model
 - Designated team of Western clinicians, Chinese medical practitioners and paramedics
 - Clinician-initiated referral
 - Joint initial assessment
 - Independent Chinese medical treatment
 - Monitoring of safety and adverse events by Family Physicians or Specialist
 - Regular joint follow-up consultation

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- Integrative care model
 - Stroke rehabilitation
 - Chronic low back pain
 - Palliative care for pancreatic rangers
 - Auricular stimulation for diabetes mellitus
- Big data and database

A = 2 × 2 ≤ 2 ⊂
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- Stroke (with University of Sydtye)epsia, irritable bowel
- Herb safety (Multi-centre)

 Curcumin for inflammatory bowel disease

Acupuncture for functional

syndrome, carpal tunnel

syndrome and gallstone

Berberine for diabetes

Clinical trials

12

Coming soon...

- **Integrative Palliative Care** ۲
 - Cancer and non-cancer patients
- **Integrative Elderly Care**
 - Outreach preventive care programme for singleton elders and elderly homes
 - Chinese medicine dietetic programme
- Public education campaign and surveillance programme
 - Herb-drug interaction: risks and benefits
 - Herb safety

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International Partners



University of Toronto

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University of Southampton University College of London



UCLA



University of Sydney



University of Maryland