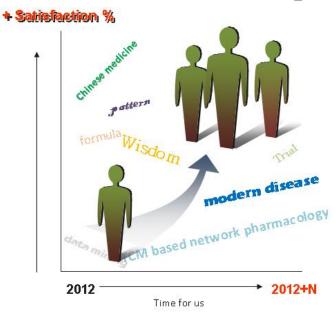
Wisdom of Chinese medicine and

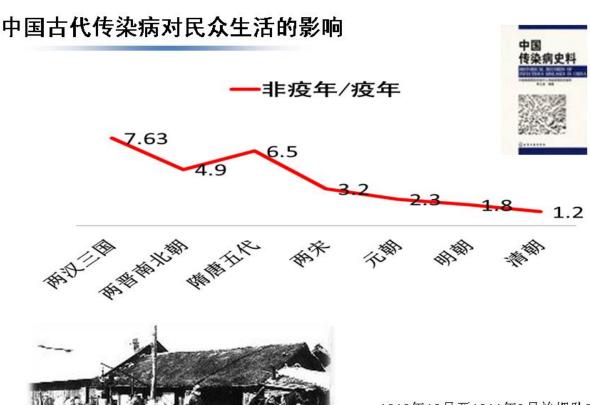
complexity of modern disease



Rheumatoid arthritis as an example

Aiping Lu, MD, PhD

Hong Kong Baptist University



 1910年10月至1911年3月抬埋队在傅家甸 收集尸体,6万条生命被鼠疫吞噬。

现代慢性病 对民众生活的影响

城市居民前十位死因为:

恶性肿瘤脑血管病心脏病呼吸系病 损伤及中毒 内分泌营养和代谢疾病 消化系病 泌尿生殖系病 神经系病 神经系育 **死因合计占死亡总数的90.4%。**

公共卫生重点

从传染病爆发转移到了慢性病防治领域。

健康中国中国药品品牌榜上榜品牌

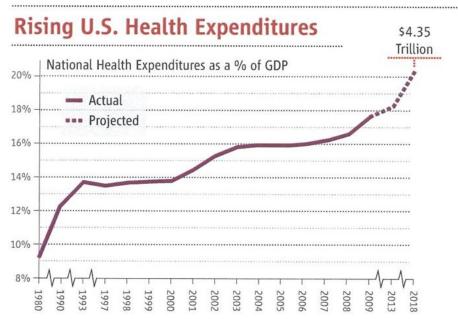


- 数据来源于"2011全国药品零售业态信息发布会 暨中国医药企业合作与发展论坛"
- 上榜的58家制药企业的69个药品品牌中,**慢性** 病用药品种占据了23个名额,中药类(含饮片) 品牌以**53%**的占比超过了化学药类品牌。

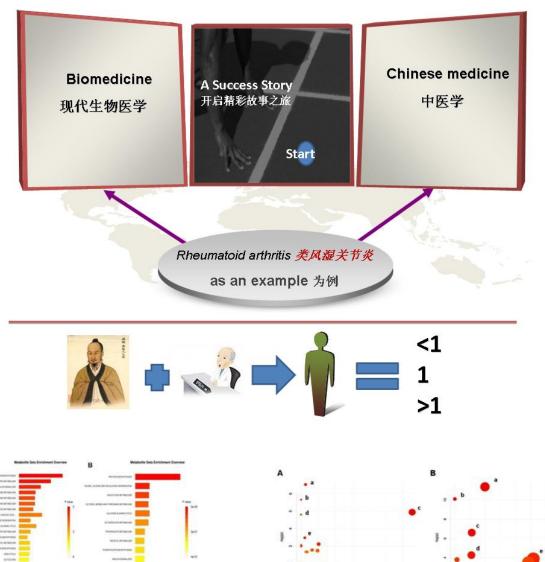
慢性疾病:复杂性疾病中药治疗比例超过化学药

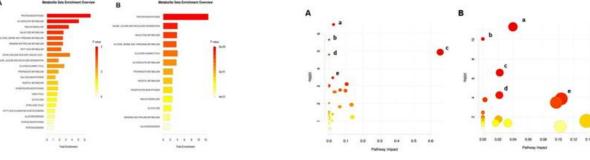
中医的智慧---疾病的复杂性

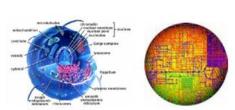
THE PROBLEM



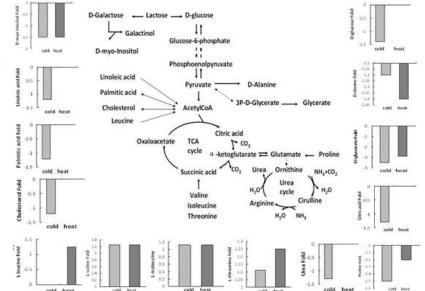
From 1 size fits all >> Personalized Medicine Incorporation of CM into conventional medicine is key







Rheumatoid arthritis Complicated Connected network





A Rheumatic clinic

Doctor: I have no other drugs, and I only can give you more MTX and SSZ

RA patients: I got no good effect, and this is my 100 times to have these two drugs

A diary from patient》

"I will put you on MTX and SSZ."

"It'll make you feel better, 101 times."

A recommended therapy would be used once the diagnosis is finalized basing on biomedicine.

Wisdom 1: Towards to personalized therapy with CM pattern

地点:某中医风湿科门诊

医生:根据您的症状,属于偏于寒性的证型,总体来说,中医中将类风湿关节炎大致分为寒热两种证型,将根据您的症状给您开方。

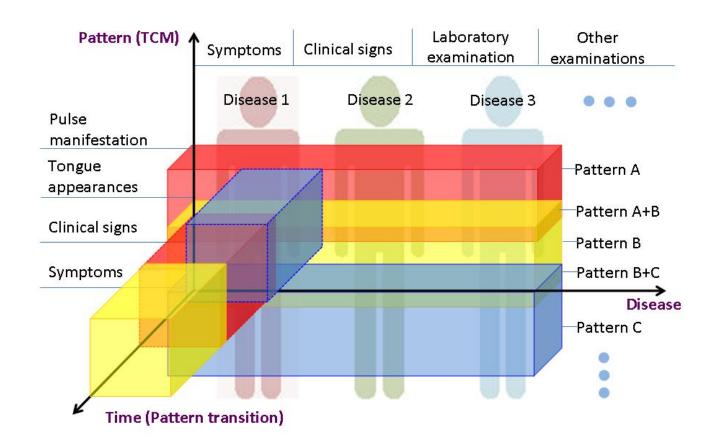
标签:

证候分类;个体化医学;天然复方

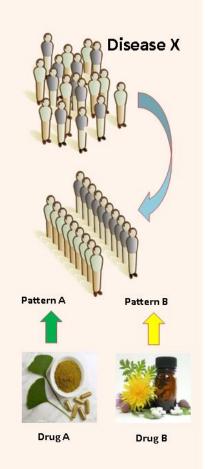
摘自《就诊日记》



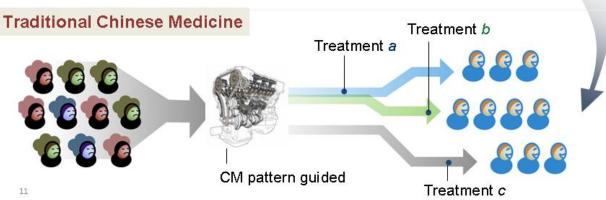
Connections Multiple herb formula Life style consultation







Empirical Medicine Treatment a Treatment b Treatment c



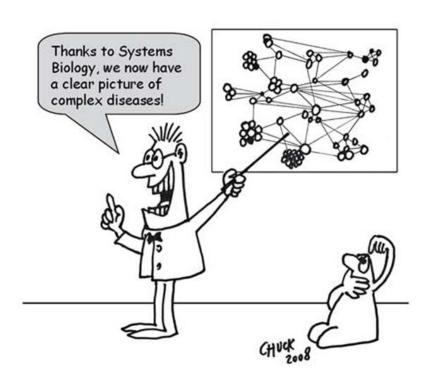


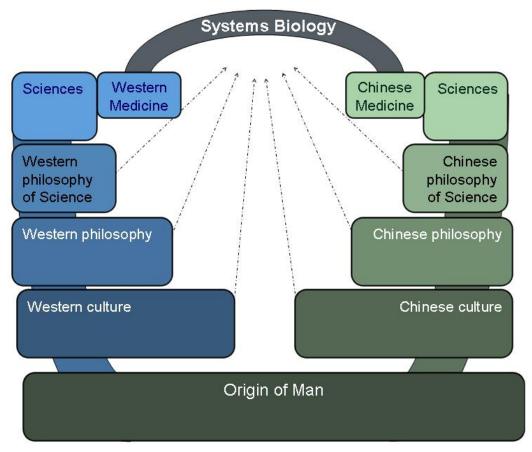
《灵枢·外揣》曰:

"合而察之,切而验之,见而得之,若清水明镜之不失其形也。"

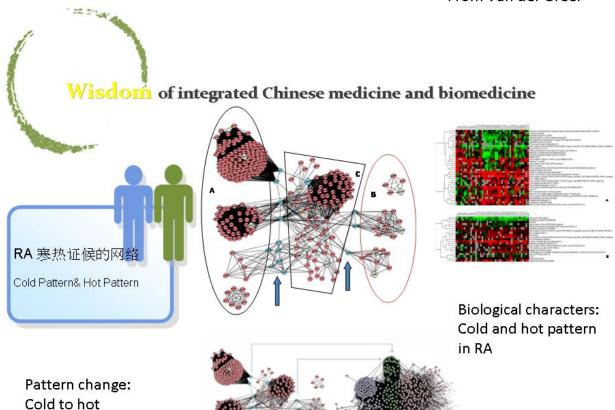


Connections
Components leading connections
Components + connections



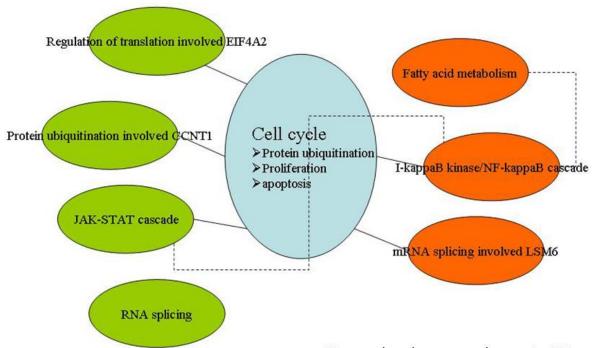


From Van der Greef



Hot to cold

Cold pattern Heat pattern

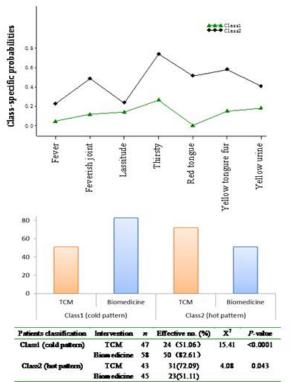


First molecular network map in CM pattern of

Wisdom of integrated Chinese medicine and biomedicine



So called nothing important symptoms or Pattern does important in outcome of interventions



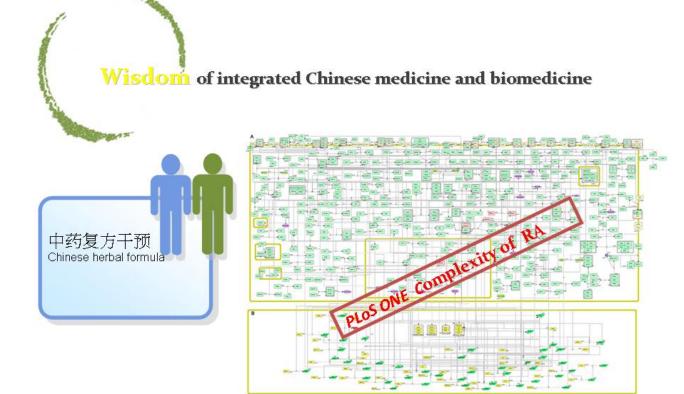
A Multi-center randomized controlled trial



ACR responses

ACR20 & TCM intervention

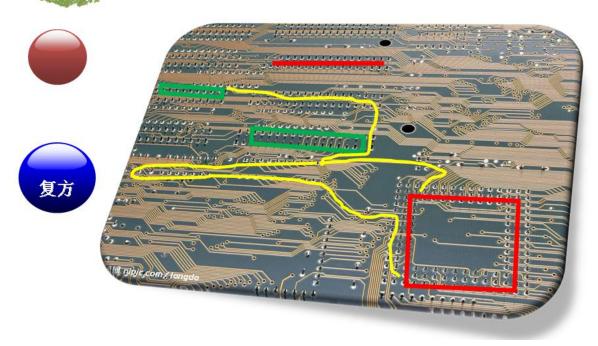
Symptoms and the characters of RA patients



Chronic diseases, such as RA, DM, CHD, are complicated and can be illustrated with networks

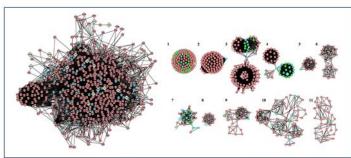


Wisdom 2: Herbal formula intervention

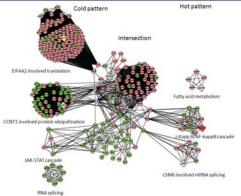


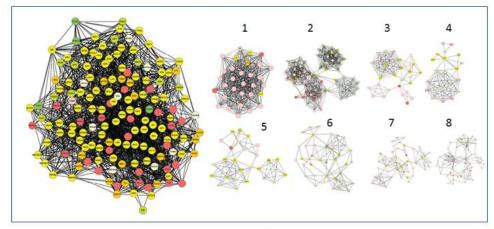
Wisdom of integrated Chinese medicine and biomedicine

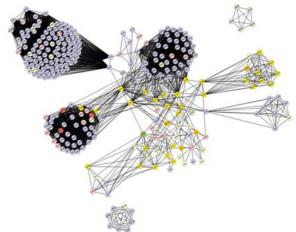




Biomedicine combination therapy







TCM herbal formula therapy

C

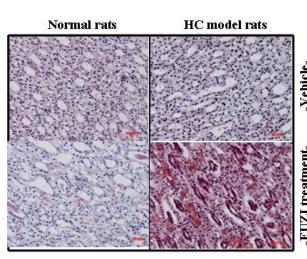
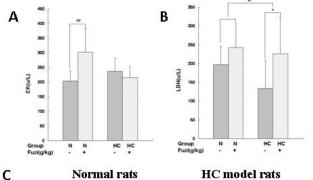


Fig.1.

(A) serum urea nitrogen (BUN) level in different groups.

23

- (B) serum urine creatinine (CRE) level in different groups. All of the samples were collected from the rats at the end of the study. #p < 0.05, ##p < 0.01 vs. the health control rats, *p < 0.05, * * p < 0.01 vs. the HC model rats (one-way ANOVA, followed by Student's t-test). a p < 0.05, b p < 0.01 vs. health rats treated by Fuzi (two-way ANOVA, followed by Student's t-test).
- (C) Paraffin section and H & E staining of renal tissue at the end of the study $(200\times)$.



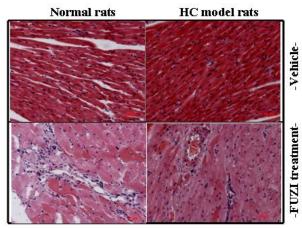
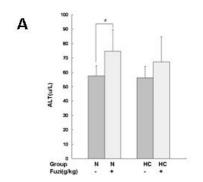


Fig.2. (A) serum creatine Kinase(CK) level in different groups. (B) serum lactate dehydrogenase(LDH) level in different groups. All of the samples were collected from the rats at the end of the study. #p < 0.05, ##p < 0.01 vs. the health control rats, *p < 0.05, * * p < 0.01 vs. the HC model rats (oneway ANOVA, followed by Student's t-test). a p < 0.05, b p < 0.01 vs. health rats treated by Fuzi (two-way ANOVA, followed by Student's t-

(C) Paraffin section and H & E staining of heart tissue at the end of the study $(200\times)$.



В

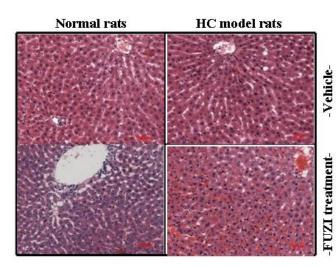
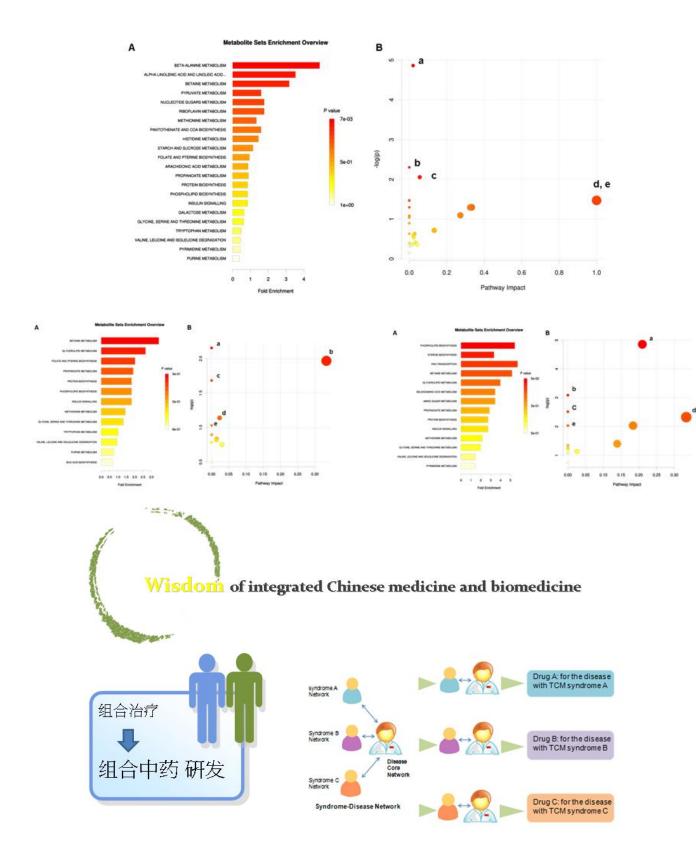
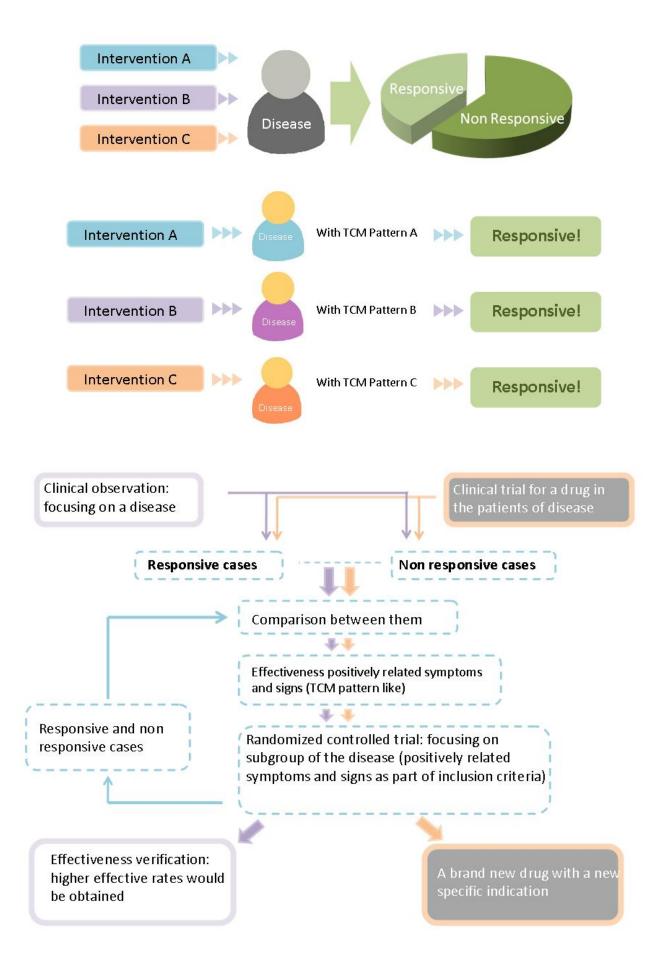


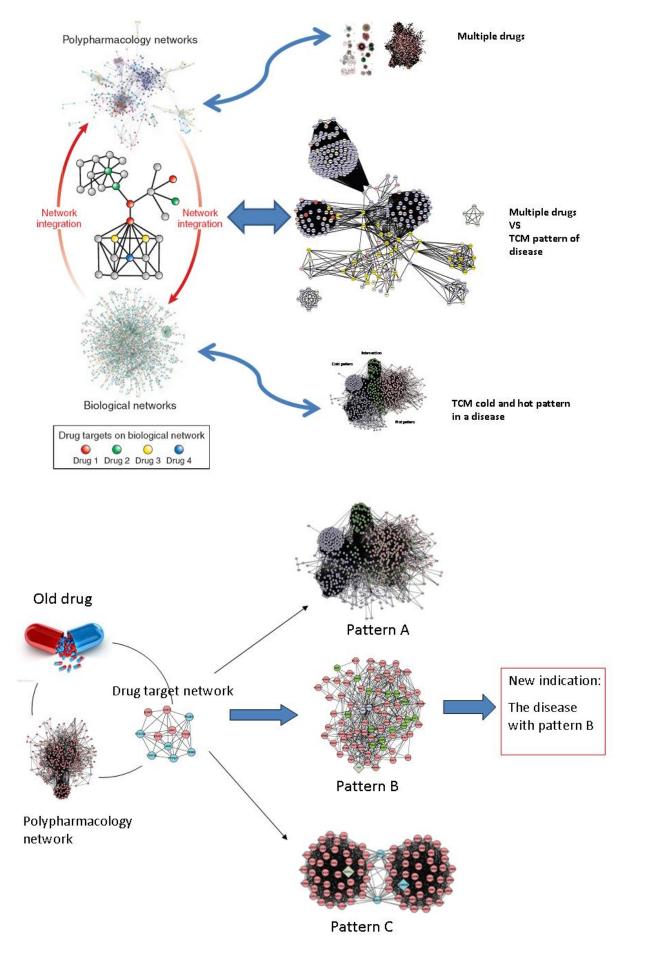
Fig.3.

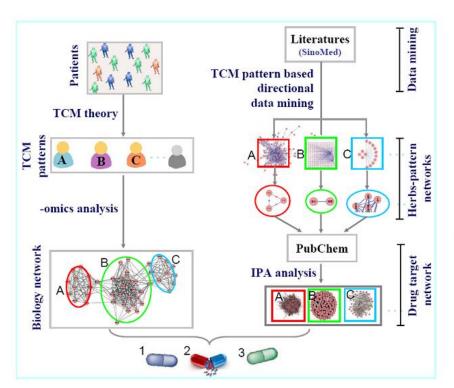
test).

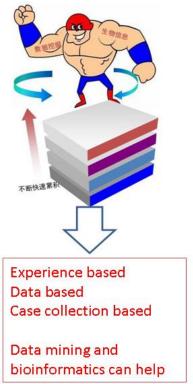
(A) serum creatine Kinase (ALT) level in different groups. All of the samples were collected from the rats at the end of the study. #p < 0.05, ##p < 0.01 vs. the health control rats, *p < 0.05, * * p < 0.01 vs. the HC model rats (one-way ANOVA, followed by Student's t-test). a p < 0.05, b p < 0.01 vs. health rats treated by Fuzi (two-way ANOVA, followed by Student's t-test). (B) Paraffin section and H & E staining of liver tissue at the end of the study $(200\times)$.

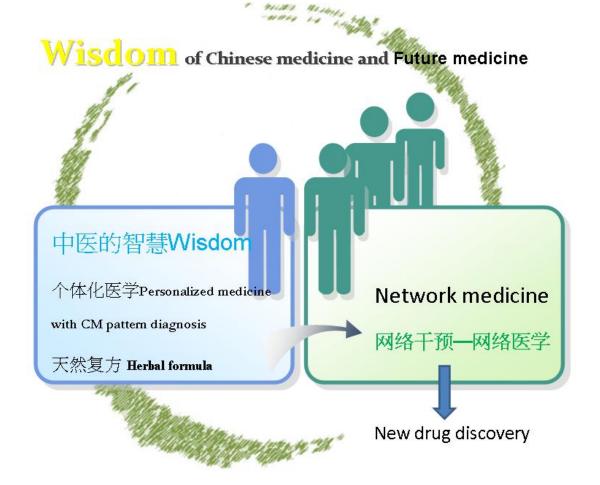














人格的阴阳类型模式

人格类型	生理特点	心理特点
太阴	多阴无阳	胆小、孤僻、多疑
少阴	多阴少阳	沉静、节制、稳健、嫉 妒心强
阴阳平和	〉 阴阳气和	平静、适应性强
少阳	多阳少阴	外露、乐观、机制、随和
太阳	多阳无阴	大胆、进攻、傲慢、暴躁

金、木、水、火、土五种人格

人格类型 生理解剖特点 心理特点

金型	肤色白,面方头小, 清白廉洁,急躁刚强,认真严 肩窄腹小手足小 肃,果断利索,态度坚定
木型	肤色苍白,头小面长, 肩宽背直,身体弱小 勤劳,多忧虑
水型	肤色黑,面粗头大 无所畏惧,不够廉洁 ,肩小腹大
火型	肤色赤红肌肉宽厚, 真诚朴实,认识事物清楚, 脸尖头小、手足小 爱美,多忧虑,缺乏信心
土型	肤色偏黄头大面圆 ,肩丰腹大身体匀 ,诚恳忠厚,不依附权势



▲ 明·武侯高卧图

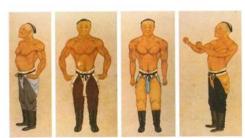


▲ 金·磁州窑黄褐釉芦雁虎形枕



▲ 明《锦身机要》陈抟睡功图





▲ 清·炼外丹图第一套(从左到右为 1-4 式)







▲ 齐白石绘高僧焚香图



▲ 北魏·坐禅佛像











▲ 清·十二度按摩图(6)



▲ 明《补遗雷公炮制 ▲ 明《本草品汇精要》韭菜 ▲ 明《本草品汇精要》 便览》蜀椒







▲ 明《本草品汇精要》



▲ 明《本草品汇精要》 杨梅



▶ 清·杨柳青年画: 薛芜蘅讽和螃蟹咏 (温酒)

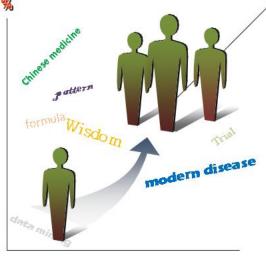


Health promotion

+ Satisfaction %

Pattern & Disease

2012



Time for us

Integrative medicine:

CM pattern and biomedical diagnosis

Multiple compound drug

Indications illustrated with CM pattern + disease



2012+N