Traditional Chinese medicine

From Wikipedia, the free encyclopedia

Traditional Chinese medicine (TCM; simplified Chinese: 中医; traditional Chinese: 中醫; pinyin: Zhōngyī) is a style of traditional Asian medicine informed by modern medicine but built on a foundation of more than 2,500 years of Chinese medical practice that includes various forms of herbal medicine, acupuncture, massage (tui na), exercise (qigong), and dietary therapy.[1] It is primarily used as a complementary alternative medicine approach.[1] TCM is widely used in China and is becoming increasingly prevalent in Europe and North America.[1]

One of the basic tenets of TCM "holds that the body's vital energy (chi or qi) circulates through channels, called meridians, that have branches connected to bodily organs and functions."[6] Concepts of the body and of disease used in TCM reflect its ancient origins and its emphasis on dynamic processes over material structure, similar to European humoral theory.[3] Scientific investigation has not found histological or physiological evidence for traditional Chinese concepts such as qi, meridians, and acupuncture points.[6] The TCM theory and practice are not based upon scientific knowledge, and its own practitioners disagree widely on what diagnosis and treatments should be used for any given patient.[2] The effectiveness of Chinese herbal medicine remains poorly researched and documented.[7] There are concerns over a number of potentially toxic plants, animal parts, and mineral Chinese medicinals.[8] There are also concerns over illegal trade and transport of endangered species including rhinos and tigers, and the welfare of specially farmed animals including bears.[9] A review of the effectiveness of herbal remedies found that studies had low levels of evidence, but so far have not shown benefit outcomes.[10] Pharmaceutical research has explored the potential for creating new drugs from traditional remedies, with few successful results.[11] A Nature editorial described TCM as "fraught with pseudoscience", and said that the most obvious reason why it hasn't delivered many cures is that the majority of its treatments have no logical mechanism of action.[11] Proponents propose that research has so far missed key features of the art of TCM, such as unknown interactions between various ingredients and complex interactive biological systems.[11]

The doctrines of Chinese medicine are rooted in books such as the Yellow Emperor's Inner Canon and the Treatise on Cold Damage, as well as in cosmological notions such as yin-yang and the five phases. Starting in the 1950s, these precepts were standardized in the People's Republic of China, including attempts to integrate them with modern notions of anatomy and pathology. In the 1950s, the Chinese government promoted a systematized form of TCM.[12] TCM's view of the body places little emphasis on anatomical structures, but is mainly concerned with the identification of functional entities (which regulate digestion, breathing, aging etc.). While health is perceived as harmonious interaction of these entities and the outside world, disease is interpreted as a disharmony in interaction. TCM diagnosis aims to trace symptoms to patterns of an underlying disharmony, by measuring the pulse, inspecting the tongue, skin, and eyes, and looking at the eating and sleeping habits of the person as well as many other things.

Contents

1 History
   1.1 Historical physicians
2 Philosophical background
   2.1 Yin and yang
   2.2 Five Phases theory
3 Model of the body
   3.1 Qi
   3.2 Xue
   3.2.1 Jinye
   3.3 Zang-fu
   3.4 Jing-luo
4 Concept of disease
   4.1 Disease entities
   4.2 Patterns
   4.2.1 Six Excesses
   4.2.2 Typical examples of patterns
   4.2.3 Eight principles of diagnosis
   4.2.4 Considerations of disease causes
5 Diagnostics
   5.1 Tongue and pulse
6 Herbal medicine
   6.1 Prescriptions
   6.2 Raw materials
   6.2.1 Animal substances
   6.2.2 Human body parts
   6.3 Traditional categorization
   6.4 Efficacy
   6.4.1 Drug research
   6.4.2 Cost-effectiveness
   6.5 Safety
7 Acupuncture and moxibustion
   7.1 Efficacy
8 Tui na
9 Qigong
10 Other therapies

History

Traces of therapeutic activities in China date from the Shang dynasty (14th–11th centuries BC).[13] Though the Shang did not have a concept of “medicine” as distinct from other fields,[13] their oracular inscriptions on bones and tortoise shells refer to illnesses that affected the Shang royal family: eye disorders, toothaches, bloated abdomen, etc.[13][14] which Shang elites usually attributed to curses sent by their ancestors.[13] There is no evidence that the Shang nobility used herbal remedies.[13] According to a 2006 overview, the "Documentation of Chinese materia medica (CMM) dates back to around 1,100 BC when only dozens of drugs were first described. By the end of the 16th century, the number of drugs documented had reached close to 1,900. And by the end of the last century, published records of CMM have reached 12,800 drugs."[15]

Stone and bone needles found in ancient tombs led Joseph Needham to speculate that acupuncture might have been carried out in the Shang dynasty.[16][17] But most historians now make a distinction between medical lancing (or bloodletting) and acupuncture in the narrower sense of using metal needles to treat illnesses by stimulating specific points along circulation channels ("meridians") in accordance with theories related to the circulation of Qi.[16][17][18] The earliest evidence for acupuncture in this sense dates to the second or first century BC.[13][18][19][20]

The Yellow Emperor's Inner Canon, the oldest received work of Chinese medical theory, was compiled around the first century BC on the basis of shorter texts from different medical lineages.[16][17][21] Written in the form of dialogues between the legendary Yellow Emperor and his ministers, it offers explanations on the relation between humans, their environment, and the cosmos, on the contents of the body, on human vitality and pathology, on the symptoms of illness, and on how to make diagnostic and therapeutic decisions in accordance with theories related to the circulation of Qi.[16][17][18] The earliest evidence for acupuncture in this sense dates to the second or first century BC.[13][18][19][20]

The Treatise on Cold Damage Disorders and Miscellaneous Illnesses was collated by Zhang Zhongjing sometime between 196 and 220 CE, at the end of the Han dynasty. Focusing on drug prescriptions rather than acupuncture,[21][22] it was the first medical work to combine Yinyang and the Five Phases with drug therapy.[13] This formulary was also the earliest public Chinese medical text to group symptoms into clinically useful "patterns" (zheng 症) that could serve as targets for therapy. Having gone through numerous changes over time, the formulary now circulates as two distinct books: the Treatise on Cold Damage Disorders and the Essential Prescriptions of the Golden Casket, which were edited separately in the eleventh century, under the Song dynasty.[23]

In the centuries that followed the completion of the Yellow Emperor's Inner Canon, several shorter books tried to summarize or systematize its contents. The Canon of Problems (probably second century CE) tried to reconcile divergent doctrines from the Inner Canon and developed a complete medical system centered on needling therapy.[24] The AB Canon of Acupuncture and Moxibustion (Zhenjiu jiayi jing 针灸甲乙经), compiled by Huangfu Mi sometime between 256 and 282 CE, assembled a consistent body of doctrines concerning acupuncture;[25] whereas the Canon of the Pulse (Maijing 脉经; ca. 280) presented itself as a "comprehensive handbook of diagnostics and therapy."[26]

In 1950, Chairman Mao Zedong made a speech in support of traditional Chinese medicine which was influenced by political necessity.[27] Zedong believed he and the Chinese Communist Party should promote traditional Chinese medicine (TCM) but he did not personally believe in TCM and he did not use it.[28] In 1952, the president of the Chinese Medical Association said that, "This One Medicine, if possessed will provide a basis in modern natural sciences, will have absorbed the ancient and the new, the Chinese and the foreign, all medical achievements—and will be China’s New Medicine!"[29]

Historical physicians

These include Zhang Zhongjing, Hua Tuo, Sun Simiao, Tao Hongjing, Zhang Jiegu, and Li Shizhen.

Philosophical background
Yin and yang

Yin and yang are ancient Chinese concepts which can be traced back to the Shang dynasty\(^{26}\) (1600–1100 BC). They represent two abstract\(^{26}\) and complementary aspects that every phenomenon in the universe can be divided into.\(^{26}\) Primordial analogies for these aspects are the sun-facing (yang) and the shady (yin) side of a hill.\(^{27}\) Two other commonly used representational allegories of yin and yang are water and fire.\(^{26}\) In the yin-yang theory, detailed attributions are made regarding the yin or yang character of things:

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Yin</th>
<th>Yang</th>
</tr>
</thead>
<tbody>
<tr>
<td>Celestial bodies</td>
<td>moon</td>
<td>sun</td>
</tr>
<tr>
<td>Gender</td>
<td>female</td>
<td>male</td>
</tr>
<tr>
<td>Location</td>
<td>inside</td>
<td>outside</td>
</tr>
<tr>
<td>Temperature</td>
<td>cold</td>
<td>hot</td>
</tr>
<tr>
<td>Direction</td>
<td>downward</td>
<td>upward</td>
</tr>
<tr>
<td>Degree of humidity</td>
<td>damp/moist</td>
<td>dry</td>
</tr>
</tbody>
</table>

The concept of yin and yang is also applicable to the human body; for example, the upper part of the body and the back are assigned to yang, while the lower part of the body is believed to have the yin character.\(^{27}\) Yin and yang characterization also extends to the various body functions, and – more importantly – to disease symptoms (e.g., cold and heat sensations are assumed to be yin and yang symptoms, respectively).\(^{27}\) Thus, yin and yang of the body are seen as phenomena whose lack (or over-abundance) comes with characteristic symptom combinations:

- Yin vacuity (also termed “vacuity-heat”): heat sensations, possible night sweats, insomnia, dry pharynx, dry mouth, dark urine, a red tongue with scant fur, and a “fine” and rapid pulse.\(^{28}\)
- Yang vacuity (“vacuity-cold”): aversion to cold, cold limbs, bright white complexion, long voidings of clear urine, diarrhea, pale and enlarged tongue, and a slightly weak, slow and fine pulse.\(^{27}\)

TCM also identifies drugs believed to treat these specific symptom combinations, i.e., to reinforce yin and yang.\(^{22}\)

Five Phases theory

Five Phases (五行, pinyin: wǔ xíng), sometimes also translated as the "Five Elements"\(^{22}\) theory, presumes that all phenomena of the universe and nature can be broken down into five elemental qualities – represented by wood (木, pinyin: mù), fire (火, pinyin: huǒ), earth (土, pinyin: tǔ), metal (金, pinyin: jīn), and water (水, pinyin: shuǐ).\(^{29}\) In this way, lines of correspondence can be drawn:

<table>
<thead>
<tr>
<th>Phenomenon</th>
<th>Wood</th>
<th>Fire</th>
<th>Earth</th>
<th>Metal</th>
<th>Water</th>
</tr>
</thead>
<tbody>
<tr>
<td>Direction</td>
<td>East</td>
<td>South</td>
<td>Centre</td>
<td>West</td>
<td>North</td>
</tr>
<tr>
<td>Colour</td>
<td>green/blue</td>
<td>red</td>
<td>yellow</td>
<td>white</td>
<td>black</td>
</tr>
<tr>
<td>Climate</td>
<td>wind</td>
<td>heat</td>
<td>damp</td>
<td>dryness</td>
<td>cold</td>
</tr>
<tr>
<td>Taste</td>
<td>sour</td>
<td>bitter</td>
<td>sweet</td>
<td>acid</td>
<td>salty</td>
</tr>
<tr>
<td>Zang Organ</td>
<td>Liver</td>
<td>Heart</td>
<td>Spleen</td>
<td>Lung</td>
<td>Kidney</td>
</tr>
<tr>
<td>Fu Organ</td>
<td>Gallbladder</td>
<td>Small intestine</td>
<td>Stomach</td>
<td>Large intestine</td>
<td>Bladder</td>
</tr>
<tr>
<td>Sense organ</td>
<td>eye</td>
<td>tongue</td>
<td>mouth</td>
<td>nose</td>
<td>ears</td>
</tr>
<tr>
<td>Facial part</td>
<td>above bridge of nose</td>
<td>between eyes, lower part</td>
<td>bridge of nose</td>
<td>between eyes, middle part</td>
<td>cheeks (below cheekbone)</td>
</tr>
<tr>
<td>Eye part</td>
<td>iris</td>
<td>inner/outer corner of the eye</td>
<td>upper and lower lid</td>
<td>sclera</td>
<td>pupil</td>
</tr>
</tbody>
</table>

Strict rules are identified to apply to the relationships between the Five Phases in terms of sequence, of acting on each other, of counteraction, etc.\(^{29}\) All these aspects of Five Phases theory constitute the basis of the zàng-fǔ concept, and thus have great influence regarding the TCM model of the body.\(^{22}\) Five Phase theory is also applied in diagnosis and therapy.\(^{22}\)

Correspondences between the body and the universe have historically not only been seen in terms of the Five Elements, but also of the "Great Numbers" (大數, pinyin: dà shù)\(^{22}\) For example, the number of acu-points has at times been seen to be 365, corresponding with the number of days in a year; and the number of main meridians–12–has been seen as corresponding with the number of rivers flowing through the ancient Chinese empire.\(^{22}\)

Model of the body

TCM holds that the body's vital energy (chi or qi) circulates through channels, called meridians, that have branches connected to bodily organs and functions.\(^{22}\) Its view of the human body is only marginally concerned with anatomical structures, but focuses primarily on the body's functions\(^{14}\) (such as digestion, breathing, temperature maintenance, etc.).
"The tendency of Chinese thought is to seek out dynamic functional activity rather than to look for the fixed somatic structures that perform the activities. Because of this, the Chinese have no system of anatomy comparable to that of the West."

— Ted Kaptchuk, The Web That Has No Weaver

These functions are aggregated and then associated with a primary functional entity — for instance, nourishment of the tissues and maintenance of their moisture are seen as connected functions, and the entity postulated to be responsible for these functions is xuè (blood). [53] These functional entities thus constitute concepts rather than something with biochemical or anatomical properties. [39]

The primary functional entities used by traditional Chinese medicine are qi, xuè, the five zàng organs, the six fǔ organs, and the meridians which extend through the organ systems. [57] These are all theoretically interconnected: each zàng organ is paired with a fǔ organ, which are nourished by the blood and concentrate qi for a particular function, with meridians being extensions of those functional systems throughout the body.

Concepts of the body and of disease used in TCM have notions of a pre-scientific culture, similar to European humoral theory. [3] – TCM is characterized as full of pseudoscience. [39] Some practitioners no longer consider yin and yang and the idea of an energy flow to apply. [39]

Scientific investigation has not found any histological or physiological evidence for traditional Chinese concepts such as qi, meridians, and acupuncture points. [4] It is a generally held belief within the acupuncture community that acupuncture points and meridians structures are special conduits for electrical signals but no research has established any consistent anatomical structure or function for either acupuncture points or meridians. [40] The scientific evidence for the anatomical existence of either meridians or acupuncture points is not compelling. [41] Stephen Barrett of Quackwatch writes that, "TCM theory and practice are not based upon the body of knowledge related to health, disease, and health care that has been widely accepted by the scientific community. TCM practitioners disagree among themselves about how to diagnose patients and which treatments should go with which diagnoses. Even if they could agree, the TCM theories are so nebulous that no amount of scientific study will enable TCM to offer rational care." [2]

TCM has been the subject of controversy within China. [42] In 2006, the Chinese scholar Zhang Gongyao triggered a national debate when he published an article entitled "Farewell to Traditional Chinese Medicine," arguing that TCM was a pseudoscience that should be abolished in public healthcare and academia. [42] The Chinese government however, interested in the opportunity of export revenues, took the stance that TCM is a science and continued to encourage its development. [42]

Qi

TCM distinguishes many kinds of qi (simplified Chinese: 氣; traditional Chinese: 氣; pinyin: qì). [45] In a general sense, qi is something that is defined by five "cardinal functions": [41] [44]

1. Actuation (simplified Chinese: 推動; traditional Chinese: 推動; pinyin: tuīdòng) — of all physical processes in the body, especially the circulation of all body fluids such as blood in their vessels. This includes actuation of the functions of the zang-fu organs and meridians.
2. Warming (Chinese: 溫煦; pinyin: wēnxù) — the body, especially the limbs.
4. Containment (simplified Chinese: 固攝; traditional Chinese: 固攝; pinyin: gùshè) — of body fluids, i.e., keeping blood, sweat, urine, semen, etc. from leakage or excessive emission.
5. Transformation (simplified Chinese: 氣化; traditional Chinese: 氣化; pinyin: qìhuà) — of food, drink, and breath into qi, xuè (blood), and jinyè ("fluids"), and/or transformation of all of the latter into each other.

Vacuity of qi will be characterized especially by pale complexion, lassitude of spirit, lack of strength, spontaneous sweating, laziness to speak, non-digestion of food, shortness of breath (especially on exertion), and a pale and enlarged tongue. [27]

Qi is believed to be partially generated from food and drink, and partially from air (by breathing). Another considerable part of it is inherited from the parents and will be consumed in the course of life.

TCM uses special terms for qi running inside of the blood vessels and for qi that is distributed in the skin, muscles, and tissues between those. The former is called ying-qi (simplified Chinese: 血氣; traditional Chinese: 血氣; its function is to complement xuè and its nature has a strong yin aspect (although qi in general is considered to be yang). [45] The latter is called wei-qi (simplified Chinese: 正氣; traditional Chinese: 正氣; its main function is defence and it has pronounced yang nature). [40]

Qi is said to circulate in the meridians. Just as the qi held by each of the zang-fu organs, this is considered to be part of the 'principal' qi (simplified Chinese: 元氣; traditional Chinese: 元氣; pinyin: yuánqì) of the body [46] (also called 真氣, Chinese: 真氣; pinyin: zhēn qì, "true" qi, or 原氣, Chinese: 原氣; pinyin: yuán qì, "original" qi). [47]

Xuè

In contrast to the majority of other functional entities, xuè (血, "blood") is correlated with a physical form — the red liquid running in the blood vessels. [48] Its concept is, nevertheless, defined by its functions: nourishing all parts and tissues of the body, safeguarding an adequate degree of moisture, and sustaining and soothing both consciousness and sleep. [49]

Typical symptoms of a lack of xuè (usually termed "blood vacuity" [血虛, pinyin: xuè xiū]) are described as: Pale-white or withered-yellow complexion, dizziness, flowery vision, palpitations, insomnia, numbness of the extremities; pale tongue; "fine" pulse. [50]

Jinyè

Closely related to xuè are the jinyè (津液, usually translated as "body fluids"), and just like xuè they are considered to be yin in nature, and defined first and foremost by the functions of nurturing and moisturizing the different structures of the body. [51] Their other functions are to harmonize yin and yang, and to help with the secretion of waste products. [52]

Jinyè are ultimately extracted from food and drink, and constitute the raw material for the production of xuè; conversely, xuè can also be transformed into jinyè. [53] Their palpable manifestations are all bodily fluids: tears, sputum, saliva, gastric acid, joint fluid, sweat, urine, etc. [54]
Zang-fu

The zàng-fǔ (simplified Chinese: 脏腑; traditional Chinese: 腑腑; pinyin: zàng-fǔ) constitute the centre piece of TCM's systematization of bodily functions. Bearing the names of organs, they are, however, only secondarily tied to (rudimentary) anatomical assumptions (the fǔ a little more, the zàng much less). As they are primarily defined by their functions, they are not equivalent to the anatomical organs—to highlight this fact, their names are usually capitalized.

The term zàng (腑) refers to the five entities considered to be yin in nature—Heart, Liver, Spleen, Lung, Kidney: while fǔ (腑) refers to the six yang organs—Small Intestine, Large Intestine, Gallbladder, Urinary Bladder, Stomach and Sānjìaō. The zàng's essential functions consist in production and storage of qi and xuē; they are said to regulate digestion, breathing, water metabolism, the musculoskeletal system, the skin, the sense organs, aging, emotional processes, and mental activity, among other structures and processes. The fǔ organs' main purpose is merely to transmit and digest (傳化, pinyin: chuán-huà) substances such as waste and food.

Since their concept was developed on the basis of Wǔ Xīng philosophy, each zàng is paired with a fǔ, and each zàng-fǔ pair is assigned to one of five elemental qualities (i.e., the Five Elements or Five Phases). These correspondences are stipulated as:

- Fire (火) = Heart (心, pinyin: xīn) and Small Intestine (小腸, pinyin: xiǎocháng) (and, secondarily, Sānjìaō [三焦, "Triple Burner"] and Pericardium [心包, pinyin: xīn-bāo])
- Earth (土) = Spleen (脾, pinyin: pí) and Stomach (胃, pinyin: wèi)
- Metal (金) = Lung (肺, pinyin: fēi) and Large Intestine (大腸, pinyin: dàcháng)
- Water (水) = Kidney (腎, pinyin: shèn) and Bladder (膀胱, pinyin: bāngguō)
- Wood (木) = Liver (肝, pinyin: gān) and Gallbladder (膽, pinyin: dān)

The zàng-fǔ are also connected to the twelve standard meridians—each yang meridian is attached to a fǔ organ, and five of the yin meridians are attached to a zàng. As there are only five zàng but six yin meridians, the sixth is assigned to the Pericardium, a peculiar entity almost similar to the Heart zàng.

Jing-luo

The meridians (經絡, pinyin: jīng-luò) are believed to be channels running from the zàng-fǔ in the interior (里, pinyin: lǐ) of the body to the limbs and joints ("the surface" [表, pinyin: biǎo]), transporting qi and xuē. TCM identifies 12 "regular" and 8 "extraordinary" meridians; the Chinese terms being 十二經脈 (pinyin: shíèr jīngmài, lit. "the Twelve Vessels") and 奇經八脈 (pinyin: qí jīng bā mài) respectively. There's also a number of less customary channels branching from the "regular" meridians.

Concept of disease

In general, disease is perceived as a disharmony (or imbalance) in the functions or interactions of yin, yang, qi, xuē, zàng-fǔ, meridians etc. and/or of the interaction between the human body and the environment. Therapy is based on which "pattern of disharmony" can be identified. Thus, "pattern discrimination" is the most important step in TCM diagnosis. It is also known to be the most difficult aspect of practicing TCM.

In order to determine which pattern is at hand, practitioners will examine things like the color and shape of the tongue, the relative strength of pulse-points, the smell of the breath, the quality of breathing or the sound of the voice. For example, depending on tongue and pulse conditions, a TCM practitioner might diagnose bleeding from the mouth and nose as: "Liver fire rushes upwards and scorches the Lung, injuring the blood vessels and giving rise to reckless pouring of blood from the mouth and nose,". He might then go on to prescribe treatments designed to clear heat or supplement the Lung.

Disease entities

In TCM, a disease has two aspects: "bing" and "zheng". The former is often translated as "disease entity", "disease category", "illness" or simply "diagnosis". The latter, and more important one, is usually translated as "pattern" (sometimes also as "syndrome"). For example, the disease entity of a common cold might present with a pattern of wind-cold in one person, and with the pattern of wind-heat in another.

From a scientific point of view, most of the disease entities (病, pinyin: bìng) listed by TCM constitute mere symptoms. Examples include headache, cough, abdominal pain, constipation etc.

Since therapy will not be chosen according to the disease entity but according to the pattern, two people with the same disease entity but different patterns will receive different therapy. Vice versa, people with similar patterns might receive similar therapy even if their disease entities are different. This is called 异病同治, 同病异治 (pinyin: yì bìng tóng zhì, tóng bìng yì zhì; different diseases, same treatment; same disease, different treatments).

Patterns

In TCM, "pattern" (證, pinyin: zhèng) refers to a "pattern of disharmony" or "functional disturbance" within the functional entities the TCM model of the body is composed of. There are disharmony patterns of qi, xuē, the body fluids, the zàng-fǔ, and the meridians. They are ultimately defined by their symptoms and "signs" (i.e., for example, pulse and tongue findings).

In clinical practice, the identified pattern usually involves a combination of affected entities (compare with typical examples of patterns). The concrete pattern identified should account for all the symptoms a person has.

Six Excesses

https://en.wikipedia.org/wiki/Traditional_Chinese_medicine
The Six Excesses (六邪, pinyin: liù xié) sometimes also translated as "Pathogenic Factors",[18] or "Six Pernicious Influences"[19] with the alternative term of 六邪; pinyin: liù xié, – "Six Evils" or "Six Devils"[20] are allegorical terms used to describe disharmony patterns displaying certain typical symptoms.[21] These symptoms resemble the effects of six climatic factors.[20] In the allegory, these symptoms can occur because one or more of those climatic factors (called 六気, pinyin: liù qì, "the six qi")[28] were able to invade the body surface and to proceed to the interior.[22] This is sometimes used to draw causal relationships (i.e., prior exposure to wind/cold/etc. is identified as the cause of a disease).[18] While other authors explicitly deny a direct cause-effect relationship between weather conditions and disease,[22][28] pointing out that the Six Excesses are primarily descriptions of a certain combination of symptoms[22] translated into a pattern of disharmony.[18] It is undisputed, though, that the Six Excesses can manifest inside the body without an external cause.[23][27] In this case, they might be denoted "internal", e.g., "internal wind"[27] or "internal fire (or heat)"[27]

The Six Excesses and their characteristic clinical signs are:

2. Cold (寒, pinyin: hán): cold sensations, aversion to cold, relief of symptoms by warmth, watery/clear excreta, severe pain, abdominal pain, contracture/hypertonicity of muscles, (slimy) white tongue fur, "deep"/"hidden" or "string-like" pulse,[71] or slow pulse.[35]
3. Fire/Heat (火, pinyin: huǒ): aversion to heat, high fever, thirst, concentrated urine, red face, red tongue, yellow tongue fur, rapid pulse.[22] (Fire and heat are basically seen to be the same)[27]
4. Dampness (濕, pinyin: shī): sensation of heaviness, sensation of fullness, symptoms of Spleen dysfunction, greasy tongue fur, "slippery" pulse.[35]
5. Dryness (燥, pinyin: zào): dry cough, dry mouth, dry throat, dry lips, nosebleeds, dry skin, dry stools.[20]
6. Summerheat (暑, pinyin: shǔ): either heat or mixed damp-heat symptoms.[27]

Six-Excesses-patterns can consist of only one or a combination of Excesses (e.g., wind-cold, wind-damp-heat).[30] They can also transform from one into another.[10]

Typical examples of patterns

For each of the functional entities (qi, xué, zàng-fǔ, meridians etc.), typical disharmony patterns are recognized; for example: qi vacuity and qi stagnation in the case of qi:[27] blood vacuity, blood stasis, and blood heat in the case of xué:[23] Spleen qi vacuity, Spleen yang vacuity, Spleen qi vacuity with down-bearing qi, Spleen qi vacuity with lack of blood containment, cold-damp invasion of the Spleen, damp-heat invasion of the Spleen and Stomach in case of the Spleen zàng:[25] wind-cold/damp invasion in the case of the meridians.[44]

TCM gives detailed prescriptions of these patterns regarding their typical symptoms, mostly including characteristic tongue and/or pulse findings.[23][30] For example:

- "UpFlaming Liver fire" (肝火上炎; pinyin: gānhuǒ shàng yán): headache, red face, reddened eyes, dry mouth, nosebleeds, constipation, dry or hard stools, profuse menstruation, sudden tinnitus or deafness, vomiting of sour or bitter fluids, expectoration of blood, irascibility, impatience; red tongue with dry yellow fur; slippery and string-like pulse.[27]

Eight principles of diagnosis

The process of determining which actual pattern is on hand is called 辨证 (pinyin: biàn zhèng, usually translated as "pattern diagnosis",[23] "pattern identification",[27] or "pattern discrimination"[65]). Generally, the first and most important step in pattern diagnosis is an evaluation of the present signs and symptoms on the basis of the "Eight Principles" (八纲, pinyin: bā gāng).[20][27] These eight principles refer to four pairs of fundamental qualities of a disease: exterior/interior, heat/cold, vacuity/repletion, and yin/yang.[27] Out of these, heat/cold and vacuity/repletion have the biggest clinical importance.[27] The yin/yang quality, on the other side, has the smallest importance and is somewhat seen aside from the other three pairs, since it merely presents a general and vague conclusion regarding what other qualities are found.[27] In detail, the Eight Principles refer to the following:

- Yin and yang are universal aspects all things can be classified under, this includes diseases in general as well as the Eight Principles' first three couples.[27] For example, cold is identified to be a yin aspect, while heat is attributed to yang.[27] Since descriptions of patterns in terms of yin and yang lack complexity and clinical practicality, though, patterns are usually not labelled this way anymore.[27] Exceptions are vacuity-cold and repletion-heat patterns, who are sometimes referred to as "yin patterns" and "yang patterns" respectively.[27]
- Exterior (表, pinyin: biāo) refers to a disease manifesting in the superficial layers of the body – skin, hair, flesh, and meridians.[27] It is characterized by aversion to cold and/or wind, headache, muscle ache, mild fever, a "floating" pulse, and a normal tongue appearance.[27]
- Interior (里, pinyin: lǐ) refers to disease manifestation in the zàng-fǔ, or (in a wider sense) to any disease that can not be counted as exterior.[30] There are no generalized characteristic symptoms of interior patterns, since they'll be determined by the affected zàng or fǔ entity.[27]
- Cold (寒, pinyin: hán) is generally characterized by aversion to cold, absence of thirst, and a white tongue fur.[27] More detailed characterization depends on whether cold is coupled with vacuity or repletion.[27]
- Heat (熱, pinyin: rè) is characterized by absence of aversion to cold, a red and painful throat, a dry tongue fur and a rapid and floating pulse, if it falls together with an exterior pattern.[27] In all other cases, symptoms depend on whether heat is coupled with vacuity or repletion.[27]
- Deficiency (虛, pinyin: xū), can be further differentiated into deficiency of qi, xué, yin and yang, with all their respective characteristic symptoms.[27] Yin deficiency can also cause "empty-heat".[25]
- Excess (實; pinyin: shí) generally refers to any disease that can't be identified as a deficient pattern, and usually indicates the presence of one of the Six Excesses,[10] or a pattern of stagnation (of qi, xué, etc.).[27] In a concurrent exterior pattern, excess is characterized by the absence of sweating.[27]

After the fundamental nature of a disease in terms of the Eight Principles is determined, the investigation focuses on more specific aspects.[30] By evaluating the present signs and symptoms against the background of typical disharmony patterns of the various entities, evidence is collected whether or how specific entities are affected.[27] This evaluation can be done

1. in respect of the meridians (經絡辩证, pinyin: jīngluò biànzhèng)[69]
2. in respect of qi (气血辩证, pinyin: qì xuè biànzhèng)[69]
3. in respect of xué (气血辩证, pinyin: qì xué biànzhèng)[89]
4. in respect of the body fluids (津液辩证, pinyin: jīn-yè biànzhèng)[68]
5. in respect of the zàng-fǔ (脏腑辩证, pinyin: zàng-fǔ biànzhèng)[30] – very similar to this, though less specific, is disharmony pattern description in terms of the Five Elements (五行辩证, pinyin: wǔ xíng biànzhèng)[68]

https://en.wikipedia.org/wiki/Traditional_Chinese_medicine
There are also three special pattern diagnosis systems used in case of febrile and infectious diseases only ("Six Channel system" or "six division pattern" [六经辩证, pinyin: liù jīng biàn zhèng]; "Wei Qi Ying Xue system" or "four division pattern" [卫气营血辩证, pinyin: wèi qì yíng xuè biàn zhèng]; "San Jiao system" or "three burners pattern" [三焦辩证, pinyin: sānjiāo biàn zhèng]).

Considerations of disease causes

Although TCM and its concept of disease do not strongly differentiate between cause and effect, pattern discrimination can include considerations regarding the disease cause; this is called 病因辩证 (pinyin: bìng yīn biàn zhèng, "disease-cause pattern discrimination").

There are three fundamental categories of disease causes (三因, pinyin: sān yīn) recognized:
1. external causes: these include the Six Excesses and "Pestilential Qi",[27]
2. internal causes: the "Seven Affects" (七情, pinyin: qī qíng), sometimes also translated as "Seven Emotions"[35]) – joy, anger, brooding, sorrow, fear, fright and grief.[27] These are believed to be able to cause damage to the functions of the zàng-fú, especially of the Liver.[27]
3. non-external-non-internal causes: dietary irregularities (especially: too much raw, cold, spicy, fatty or sweet food; voracious eating; too much alcohol),[27] fatigue, sexual intemperance, trauma, and parasites (虫, pinyin: chóng)[27]

Diagnostics

In TCM, there are five diagnostic methods: inspection, auscultation, olfaction, inquiry, and palpation.[73]

- Inspection focuses on the face and particularly on the tongue, including analysis of the tongue size, shape, tension, color and coating, and the absence or presence of teeth marks around the edge.
- Auscultation refers to listening for particular sounds (such as wheezing).
- Olfaction refers to attending to body odor.
- Inquiry focuses on the "seven inquiries", which involve asking the person about the regularity, severity, or other characteristics of: chills, fever, perspiration, appetite, thirst, taste, defecation, urination, pain, sleep, menses, leukorrhea.
- Palpation which includes feeling the body for tender A-shi points, and the palpation of the wrist pulses as well as various other pulses, and palpation of the abdomen.

Tongue and pulse

Examination of the tongue and the pulse are among the principal diagnostic methods in TCM. Certain sectors of the tongue's surface are believed to correspond to the zàng-fú. For example, teeth marks on one part of the tongue might indicate a problem with the Heart, while teeth marks on another part of the tongue might indicate a problem with the Liver.

Pulse palpation involves measuring the pulse both at a superficial and at a deep level at three different locations on the radial artery (Cun, Guan, Chi, located two fingerbreadths from the wrist crease, one fingerbreadth from the wrist crease, and right at the wrist crease, respectively, usually palpated with the index, middle and ring finger) of each arm, for a total of twelve pulses, all of which are thought to correspond with certain zàng-fú organs.

Learning TCM pulse diagnosis can take several years.[14]

Herbal medicine

The term "herbal medicine" is somewhat misleading in that, while plant elements are by far the most commonly used substances in TCM, other, non-botanic substances are used as well: animal, human, and mineral products are also utilized. Thus, the term "medicinal" (instead of herb) is usually preferred.[77]

Prescriptions

Typically, one batch of medicinals is prepared as a decoction of about 9 to 18 substances.[76] Some of these are considered as main herbs, some as ancillary herbs; within the ancillary herbs, up to three categories can be distinguished.[79]

Raw materials

There are roughly 13,000 medicinals used in China and over 100,000 medicinal recipes recorded in the ancient literature.[80] Plant elements and extracts are by far the most common elements used.[81] In the classic Handbook of Traditional Drugs from 1941, 517 drugs were listed – out of these, 45 were animal parts, and 30 were minerals.[81]

Animal substances

Some animal parts used as medicinals can be considered rather strange such as cows' gallstones,[82] hornet's nest,[83] leech,[84] and scorpion.[85] Other examples of animal parts include horn of the antelope or buffalo, deer antlers, testicles and penis bone of the dog, and snake bile.[84] Some TCM textbooks still recommend preparations containing animal tissues, but there has been little research to justify the claimed clinical efficacy of many TCM animal products.[80]

Some medicinals can include the parts of endangered species, including tiger bones[83] and rhinoceros horn,[88] which is used for many ailments (though not as an aphrodisiac as is commonly misunderstood by the West).[90] The black market in rhinoceros horn (driven not just by TMC but also unrelated status-seeking) has reduced the world's rhino population by more than 90 percent over the past 40 years. Concerns have also arisen over the use of pangolin scales,[83] turtle plastron,[89] sea horses,[90] and the gill plates of mola and manta rays.[86] Poachers hunt restricted or endangered species animals to supply the black market with TCM products.[99] There is no scientific evidence of efficacy for tiger medicines.[89] Concern over China considering to legalize the trade in tiger parts prompted the 171-nation Convention on International Trade in Endangered Species (CITES) to endorse a decision opposing the resurgence of trade in tigers.[95] Fewer than 30,000 saiga antelopes remain, which are exported to China for use in trade.

https://en.wikipedia.org/wiki/Traditional_Chinese_medicine

12/28/2016
human body parts

Traditional Chinese Medicine also includes some human parts: the classic Materia medica (Bencao Gangmu) describes the use of 35 human body parts and excreta in medicines, including bones, fingernail, hairs, dandruff, earwax, impurities on the teeth, feces, urine, sweat, organs, but most are no longer in use.[109][110][111]

Human placenta has been used in certain traditional Chinese medicines,[112] including using dried human placenta, known as “Ziheche”, to treat infertility, impotence and other conditions.[108] The consumption of the human placenta is a potential source of infection.[112]

The classification according to the Four Natures ([四気], pinyin: sì qì): hot, warm, cool, or cold (or, neutral in terms of temperature)[22] and hot and warm herbs are used to treat cold diseases, while cool and cold herbs are used to treat heat diseases.[22]

The classification according to the Five Flavors (, pinyin: wǔ wèi, sometimes also translated as Five Tastes): acrid, sweet, bitter, sour, and salty.[22] Substances may also have more than one flavor, or none (i.e., a “bland” flavor).[22] Each of the Five Flavors corresponds to one of zàng organs, which in turn corresponds to one of the Five Phases. A flavor implies certain properties and therapeutic actions of a substance; e.g., saltiness drains downward and softens hard masses, while sweetness is supplementing, harmonizing, and moistening.[22]

The classification according to the meridian – more precise, the zàng-organ including its associated meridian – which can be expected to be primarily affected by a given medicinal.[22]


Efficacy

As of 2007 there were not enough good-quality trials of herbal therapies to allow their effectiveness to be determined.[17] A high percentage of relevant studies on traditional Chinese medicine are in Chinese databases. Fifty percent of systematic reviews on TCM did not search Chinese databases, which could lead to a bias in the results.[114] Many systematic reviews of TCM interventions published in Chinese journals are incomplete, some contained errors or were misleading.[115] The herbs recommended by traditional Chinese practitioners in the US are unregulated.[116]
A 2013 review found the data too weak to support use of Chinese herbal medicine (CHM) for benign prostatic hyperplasia. A 2013 review found the research on the benefit and safety of CHM for idiopathic sudden sensorineural hearing loss is of poor quality and cannot be relied upon to support their use. A 2013 Cochrane review found inconclusive evidence that CHM reduces the severity of eczema. The traditional medicine ginger, which has shown anti-inflammatory properties in laboratory experiments, has been used to treat rheumatism, headache and digestive and respiratory issues, though there is no firm evidence supporting these uses. A 2012 Cochrane review found no difference in decreased mortality when Chinese herbs were used alongside Western medicine versus Western medicine exclusively. A 2012 Cochrane review found insufficient evidence to support the use of TCM for people with adhesive small bowel obstruction. A 2011 review found low quality evidence that suggests CHM improves the symptoms of Sjogren's syndrome. A 2010 review found TCM seems to be effective for the treatment of fibromyalgia but the findings were of insufficient methodological rigor. A 2009 Cochrane review found insufficient evidence to recommend the use of TCM for the treatment of epilepsy. A 2008 Cochrane review found promising evidence for the use of Chinese herbal medicine in relieving painful menstruation, but the trials assessed were of such low methodological quality that no conclusion could be drawn about the remedies' suitability as a recommendable treatment option. Turmeric has been used in traditional Chinese medicine for centuries to treat various conditions. This includes jaundice and hepatic disorders, rheumatism, anorexia, diabetic wounds, and menstrual complications. Most of its effects have been attributed to curcumin. Research that curcumin shows strong anti-inflammatory and antioxidant activities have instigated mechanism of action studies on the possibility for cancer and inflammatory diseases prevention and treatment. It also exhibits immunomodulatory effects. A 2005 Cochrane review found insufficient evidence for the use of CHM in HIV-infected people and people with AIDS.

**Drug research**

With an eye to the enormous Chinese market, pharmaceutical companies have explored the potential for creating new drugs from traditional remedies. A *Nature* editorial described TCM as "fraught with pseudoscience", and stated that having "no rational mechanism of action for most of its therapies" is the "most obvious answer" to why its study didn't provide a "flood of cures", while advocates responded that "researchers are missing aspects of the art, notably the interactions between different ingredients in traditional therapies."

One of the few successes was the development in the 1970s of the antimalarial drug artemisinin, which is a processed extract of *Artemisia annua*, a herb traditionally used as a fever treatment. Researcher Tu Youyou discovered that a low-temperature extraction process could isolate an effective antimalarial substance from the plant. She says she was influenced by a traditional source saying that this herb should be steeped in cold water, after initially finding high-temperature extraction unsatisfactory. The extracted substance, once subject to detoxification and purification processes, is a usable antimalarial drug. A 2012 review found that artemisinin-based remedies were the most effective drugs for the treatment of malaria. For her work on malaria, Tu received the 2015 Nobel Prize in Physiology or Medicine. Despite global efforts in combating malaria, it remains a large burden for the population. Although WHO recommends artemisinin-based remedies for treating uncomplicated malaria, artemisinin resistance can no longer be ignored.

Also in the 1970s Chinese researcher Zhang TingDong and colleagues investigated the potential use of the traditionally used substance arsine trioxide to treat acute promyelocytic leukemia (APL). Building on his work, research both in China and the West eventually led to the development of the drug Trisenox, which was approved for leukemia treatment by the FDA in 2000.

Huperzine A, which is extracted from traditional herb *Huperzia serrata*, has attracted the interest of medical science because of alleged neuroprotective properties. Despite earlier promising results, a 2013 systematic review and meta-analysis found "Huperzine A appears to have beneficial effects on improvement of cognitive function, daily living activity, and global clinical assessment in participants with Alzheimer’s disease. However, the findings should be interpreted with caution due to the poor methodological quality of the included trials."

Ephedrine in its natural form, known as má huáng (麻黃) in traditional Chinese medicine, has been documented in China since the Han dynasty (206 BC – 220 AD) as an antiasthmatic and stimulant. In 1885, the chemical synthesis of ephedrine was first accomplished by Japanese organic chemist Nagai Nagayoshi based on his research on Japanese and Chinese traditional herbal medicines.

**Cost-effectiveness**

A 2012 systematic review found there is a lack of available cost-effectiveness evidence in TCM.

**Safety**

From the earliest records regarding the use of medicinals to today, the toxicity of certain substances has been described in all Chinese materiae medicae. Since TCM has become more popular in the Western world, there are increasing concerns about the potential toxicity of many traditional Chinese medicinal plants, animal parts and minerals. Traditional Chinese herbal remedies are conveniently available from grocery stores in most Chinese neighborhoods; some of these items may contain toxic ingredients, are imported into the U.S. illegally, and are associated with claims of therapeutic benefit without evidence. For most medicinal, efficacy and toxicity testing are based on traditional knowledge rather than laboratory analysis. The toxicity in some cases could be confirmed by modern research (i.e., in scorpion); in some cases it couldn't (i.e., in Curculigo). Traditional herbal medicines can contain extremely toxic chemicals and heavy metals, and naturally occurring toxins, which can cause illness, exacerbate pre-existing poor health or result in death. Botanical misidentification of plants can cause toxic reactions in humans. The description on some plants used in traditional Chinese medicine have changed, leading to unintended intoxication of the wrong plants. A concern is also contaminated herbal medicines with microorganisms and fungal toxins, including aflatoxin. Herbal medicines are sometimes contaminated with toxic heavy metals, including lead, arsenic, mercury and cadmium, which inflict serious health risks to consumers. Also, adulteration of some herbal medicine preparations with conventional drugs which may cause serious adverse effects, such as corticosteroids, phenylbutazone, phenytoin, and glibenclamide, has been reported.
Substances known to be potentially dangerous include Aconitum,[22] secretions from the Asian toad,[147] powdered centipede,[148] the Chinese beetle (Mylabris phalerata),[149] certain fungi,[150] Aristolochia,[9] Aconitum,[9] Arsenic sulfide (Realgar),[151] mercury sulfide,[152] and cinnabar.[153] Asbestos ore (Actinolite, Yang Qi Shi, 阳起石) is used to treat impotence in TCM.[154] Due to galena's (litharge, lead(II) oxide) high lead content, it is known to be toxic.[146] Lead, mercury, arsenic, copper, cadmium, and thallium have been detected in TCM products sold in the U.S. and China.[151]

To avoid its toxic adverse effects Xanthium sibiricum must be processed.[8] Hepatotoxicity has been reported with products containing Polygonum multiflorum, glycyrhizin, Senecio and Symphytum.[9] The herbs indicated as being hepatotoxic included Dictamnus dasyacarpus, Astragalus membranaceus, and Paonia lactiflora.[9] Contrary to popular belief, Ganoderma lucidum mushroom extract, as an adjuvant for cancer immunotherapy, appears to have the potential for toxicity.[153] A 2013 review suggested that although the antimalarial herb Artemisia annua may not cause hepatotoxicity, haematoxotoxicity, or hyperlipidaemia, it should be used cautiously during pregnancy due to a potential risk of embryotoxicity at a high dose.[156]

However, many adverse reactions are due to misuse or abuse of Chinese medicine.[8] For example, the misuse of the dietary supplement Ephedra (containing ephedrine) can lead to adverse events including gastrointestinal problems as well as sudden death from cardiomyopathy.[3] Products adulterated with pharmaceuticals for weight loss or erectile dysfunction are one of the main concerns.[5] Chinese herbal medicine has been a major cause of acute liver failure in China.[157]

**Acupuncture and moxibustion**

Acupuncture is the insertion of needles into superficial structures of the body (skin, subcutaneous tissue, muscles) – usually at acupuncture points (acupoints) – and their subsequent manipulation; this aims at influencing the flow of qi.[158] According to TCM it relieves pain and treats (and prevents) various diseases.[159]

Acupuncture is often accompanied by moxibustion – the Chinese characters for acupuncture (simplified Chinese: 针灸; traditional Chinese: 鈎灸; pinyin: zhēnjìu) literally meaning "acupuncture-moxibustion" – which involves burning mugwort on or near the skin at an acupuncture point.[160] According to the American Cancer Society, "available scientific evidence does not support claims that moxibustion is effective in preventing or treating cancer or any other disease".[160]

In electroacupuncture, an electric current is applied to the needles once they are inserted, in order to further stimulate the respective acupuncture points.[162]

**Efficacy**

A 2013 editorial by Steven P. Novella and David Colquhoun found that the inconsistency of results of acupuncture studies (i.e. acupuncture relieved pain in some conditions but had no effect in other very similar conditions) suggests false positive results, which may be caused by factors like biased study designs, poor blinding, and the classification of electrified needles (a type of TENS) as a form of acupuncture.[183] The same editorial suggested that given the inability to find consistent results despite more than 3,000 studies of acupuncture, the treatment seems to be a placebo effect and the existing equivocal positive results are noise one expects to see after a large number of studies are performed on an inert therapy.[165] The editorial concluded that the best controlled studies showed a clear pattern, in which the outcome does not rely upon needle location or even needle insertion, and since "these variables are those that define acupuncture, the only sensible conclusion is that acupuncture does not work".[165]

A 2012 meta-analysis concluded that the mechanisms of acupuncture "are clinically relevant, but that an important part of these total effects is not due to issues considered to be crucial by most acupuncturists, such as the correct location of points and depth of needling ... [but are] ... associated with more potent placebo or context effects".[164] Commenting on this meta-analysis, both Edzard Ernst and David Colquhoun said the results were of negligible clinical significance.[165][166]

A 2011 overview of Cochrane reviews found high quality evidence that suggests acupuncture is effective for some but not all kinds of pain.[167] A 2010 systematic review found that there is evidence "that acupuncture provides a short-term clinically relevant effect when compared with a waiting list control or when acupuncture is added to another intervention" in the treatment of chronic low back pain.[169] Two review articles discussing the effectiveness of acupuncture, from 2008 and 2009, have concluded that there is not enough evidence to conclude that it is effective beyond the placebo effect.[168][169]

Acupuncture is generally safe when administered using Clean Needle Technique (CNT).[171] Although serious adverse effects are rare, acupuncture is not without risk.[171] Severe adverse effects, including death, have continued to be reported.[177]

**Tui na**

Tui na (推拿) is a form of massage akin to acupressure (from which shiatsu evolved). Asian massage is typically administered with the person fully clothed, without the application of grease or oils. Techniques employed may include thumb presses, rubbing, percussion, and assisted stretching.

**Qigong**

Qìgōng (氣功 or 氣功) is a TCM system of exercise and meditation that combines regulated breathing, slow movement, and focused awareness, purportedly to cultivate and balance qi.[173] One branch of qigong is qigong massage, in which the practitioner combines massage techniques with awareness of the acupuncture channels and points.[174][175]

**Other therapies**

**Cupping**
Cupping (Chinese: 起罐; pinyin: bāguàn) is a type of Chinese massage, consisting of placing several glass "cups" (open spheres) on the body. A match is lit and placed inside the cup and then removed before placing the cup against the skin. As the air in the cup is heated, it expands, and after placing in the skin, cools, creating lower pressure inside the cup that allows the cup to stick to the skin via suction. When combined with massage oil, the cups can be slid around the back, offering "reverse-pressure massage". It has not been found to be effective for the treatment of any disease.[176] The 2008 Trick or Treatment book said that no evidence exists of any beneficial effects of cupping for any medical condition.[177]

Guasha

Guasha (Chinese: 割痧; pinyin: gūshā) is abrading the skin with pieces of smooth jade, bone, animal tusks or horns or smooth stones; until red spots then bruising cover the area to which it is done. It is believed that this treatment is for almost any ailment including cholera. The red spots and bruising take 3 to 10 days to heal, there is often some soreness in the area that has been treated.[178]

Die-da

Diē-dá (跌打) or bone-setting is usually practiced by martial artists who know aspects of Chinese medicine that apply to the treatment of trauma and injuries such as bone fractures, sprains, and bruises. Some of these specialists may also use or recommend other disciplines of Chinese medical therapies (or Western medicine in modern times) if serious injury is involved. Such practice of bone-setting (正骨 or 整骨) is not common in the West.

Chinese food therapy

Traditional Chinese characters 阴 and 陽 for the words yin and yang denote different classes of foods, and it is important to consume them in a balanced fashion.[179] The meal sequence should also observe these classes:[180]

In the Orient, it is traditional to eat 陽 before yin. Miso soup (yang — fermented soybean protein) for breakfast; raw fish (more yang protein); and then the vegetables which are yin.

Regulations

Many governments have enacted laws to regulate TCM practice.

Australia

From 1 July 2012 Chinese medicine practitioners must be registered under the national registration and accreditation scheme with the Chinese Medicine Board of Australia and meet the Board's Registration Standards, in order to practice in Australia.[181]

Canada

TCM is regulated in five provinces in Canada: Alberta, British Columbia, Ontario, Quebec, and Newfoundland.

Hong Kong

The Chinese Medicine Council of Hong Kong was established in 1999. It regulates the medicinals and professional standards for TCM practitioners. All TCM practitioners in Hong Kong are required to register with the Council. The eligibility for registration includes a recognised 5-year university degree of TCM, a 30-week minimum supervised clinical internship, and passing the licensing exam.[182]

Malaysia

The Traditional and Complementary Medicine Bill was passed by Parliament in 2012 establishing the Traditional and Complementary Medicine Council to register and regulate traditional and complementary medicine practitioners, including traditional Chinese medicine practitioners as well as other traditional and complementary medicine practitioners such as those in traditional Malay medicine and traditional Indian medicine.[183][184][185][186][187]

Singapore

The TCM Practitioners Act was passed by Parliament in 2000 and the TCM Practitioners Board was established in 2001 as a statutory board under the Ministry of Health, to register and regulate TCM practitioners. The requirements for registration include possession of a diploma or degree from a TCM educational institution/university on a gazetted list, either structured TCM clinical training at an approved local TCM educational institution or foreign TCM registration together with supervised TCM clinical attachment/practice at an approved local TCM clinic, and upon meeting these requirements, passing the Singapore TCM Physicians Registration Examination (STRE) conducted by the TCM Practitioners Board.[188]

United States

As of July 2012, only six states do not have existing legislation to regulate the professional practice of TCM. These six states are Alabama, Kansas, North Dakota, South Dakota, Oklahoma, and Wyoming. In 1976, California established an Acupuncture Board and became the first state licensing professional acupuncturists.[190]

Indonesia

All traditional medicines, including TCM, are regulated on Indonesian Minister of Health Regulation in 2013 about Traditional Medicine. Traditional Medicine License (Surat Izin Pengobatan Tradisional -SIPT) will be granted to the practitioners whose methods are scientifically recognized as safe and bring the benefit for health.[191] The TCM clinics are registered but there is no explicit regulation for it. The only TCM method which is accepted by medical logic and is empirically proofed is acupuncture.[192] The acupuncturists can get SIPT and participate on health care facilities.[193]
See also

- Alternative medicine
- American Journal of Chinese Medicine (journal)
- Ayurveda
- Capsicum plaster
- Chinese classic herbal formula
- Chinese food therapy
- Chinese herbal medicine
- Chinese ophthalmology
- Chinese patent medicine
- Guizhentang Pharmaceutical company
- Hallucinogenic plants in Chinese herbal medicine
- HIV/AIDS and traditional Chinese medicine
- List of branches of alternative medicine
- List of topics characterized as pseudoscience
- List of traditional Chinese medicines
- Medicinal mushrooms
- Pharmacognosy
- Public health in the People's Republic of China
- Qinghai
- Snake farm
- Traditional Korean medicine
- Traditional Mongolian medicine
- Traditional Tibetan medicine
- Turtle farm

Notes

a. Singh & Ernst (2008) stated, "Scientists are still unable to find a shred of evidence to support the existence of meridians or Chi"[49] "The traditional principles of acupuncture are deeply flawed, as there is no evidence at all to demonstrate the existence of Chi or meridians"[49] and "Acupuncture points and meridians are not a reality, but merely the product of an ancient Chinese philosophy"[49]

References

Citations

4. Singh & Ernst 2008, p. 72
5. Singh & Ernst 2008, p. 107
11. "Hard to swallow". Nature, 44B (7150): 105–6. 2007. doi:10.1038/448106a. PMID 17625251. "Constructive approaches to divining the potential usefulness of traditional therapies are to be welcomed. But it seems problematic to apply a brand new technique, largely untested in the clinic, to test the veracity of traditional Chinese medicine, when the field is so fraught with pseudoscience. In the meantime, claims made on behalf of an uncharted body of knowledge should be treated with the customary scepticism that is the bedrock of both science and medicine."
15. "There are 365 days in the year, while humans have 365 joints [or acu-points]... There are 12 rivers across the land, while humans have 12 channel", A Study of Daoist Acupuncture & Moxibustion, Cheng-T’ai Liu, Lu Zheng-Cai, Kao Hua, p. 40, [1] (https://books.google.com/books?id=UNUiHP7MPJMC&pg=PA198&q=tcm%3C7%3Enone%3C7%3Eacupuncture%3C7%3Emoxibustion%3C7%3E"&hl=zh-CN&sa=X&ved=0ahUKEwi-QPQGwYF8AhURs7kBHi6OAogQ6AEIJA&ei=ACj7VTyjG4mg7QH7oIQGKg)
18. Men, J. & Guo, L. (2010) "A General Introduction to Traditional Chinese Medicine" (https://books.google.com/books?id=5SOajUt53UgC&pg=PA119&q=tcm%3C7%3Enone%3C7%3Eacupuncture%3C7%3Emoxibustion%3C7%3E&hl=zh-CN&sa=X&ved=0ahUKEwi-QPQGwYF8AhURs7kBHi6OAogQ6AEIJA&ei=ACj7VTyjG4mg7QH7oIQGKg
19. Men, J. & Guo, L. (2010) "A General Introduction to Traditional Chinese Medicine" (https://books.google.com/books?id=5SOajUt53UgC&pg=PA119&q=tcm%3C7%3Enone%3C7%3Eacupuncture%3C7%3Emoxibustion%3C7%3E&hl=zh-CN&sa=X&ved=0ahUKEwi-QPQGwYF8AhURs7kBHi6OAogQ6AEIJA&ei=ACj7VTyjG4mg7QH7oIQGKg
26. Men, J. & Guo, L. (2010) "A General Introduction to Traditional Chinese Medicine" (https://books.google.com/books?id=5SOajUt53UgC&pg=PA119&q=tcm%3C7%3Enone%3C7%3Eacupuncture%3C7%3Emoxibustion%3C7%3E&hl=zh-CN&sa=X&ved=0ahUKEwi-QPQGwYF8AhURs7kBHi6OAogQ6AEIJA&ei=ACj7VTyjG4mg7QH7oIQGKg
Sources

Books


Further reading


External links

- Medicinal Plant Images Database (http://hbtnproject.hkbu.edu.hk/was40/search?lang=en&channelid=1288) School of Chinese Medicine, Hong Kong Baptist University (traditional Chinese)
- Chinese Medicine Specimen Database (http://hbtnproject.hkbu.edu.hk/was40/search?channelid=44273) School of Chinese Medicine, Hong Kong Baptist University (traditional Chinese)
- Scientific literary review on TCM, PDF, 133 pages (http://www.association.quebec.aqtn.ca/files/scientific-literary-review-traditional-chinese-medicine-tcm.pdf) Compiled by AQTN


Categories: Traditional medicine | Traditional Chinese medicine | Alternative medical systems | Pharmacy in China | Pseudoscience

This page was last modified on 23 December 2016, at 01:35. Text is available under the Creative Commons Attribution-ShareAlike License; additional terms may apply. By using this site, you agree to the Terms of Use and Privacy Policy. Wikipedia® is a registered trademark of the Wikimedia Foundation, Inc., a non-profit organization.