

TMJ as a meridian pump in oriental medicine

Oral health and the meridian in oriental medicine

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Summary

This presentation reports the relationship between the meridian in elemental Oriental medicine and TMJ.

I propose the TMJ acts as a meridian pump on the following five clinically reported points;

- 1. TMJ disorders affect all of the body;**
- 2. TMJ shows a pump like movement, therefore, it can be called the second heart;**
- 3. The meridian's computer "AMP" recognizes that occlusion affects the meridian in Oriental medicine;**
- 4. The meridians of Oriental medicine begin and end around the mouth;**
- 5. The mouth is related to the brain and the lung, because the brain's origin is in the function of eating and the lung's origin is in the extension of the esophagus.**

From these 5 points, in Oriental medicine, TMJ can be hypothesized to be a meridian pump that gives circulation.

The meridian climbs up the front body by capillary action, and the meridian goes down through the back of the body by the function of TMJ pump. These continue up and down, up and down, by the function of TMJ pump and capillarity. It is recognized that meridians which have many streams and a lot of acupoints consist of three streams.

In my research, I found that many human beings (83%) practiced right bite. It may be because the meridian on the left side of a person is weakened and the left bronchus bends. The same may due to a heart disease on the left side, where the heart of a person lies.

Skull bone movement of Professor Sazarland's theory may be the same as meridian stream direction. All meridians begin and end around TMJ. Only the large intensive meridian of Hegu which is used for pain control and analgesic action ends in the skull bone.

The meridian's computer, "AMI" recognizes the indication that all meridians change when the TMJ pump and the occlusion are distorted, but only the large intensive meridian of Hegu which ends in the skull bone does not change.

Introduction

The meridian (qi) in oriental medicine means the mind and the vital energy.

The meridian prevents the disease and also takes advantage of the good health and is renowned for the acupuncture and qigong of oriental medicine. This presentation is to theorize the relationship between TMJ (temporomandibular joint) and the meridian in elemental oriental medicine from the following 5 clinically reported points:

1. TMJ disorders affect all the body;
2. TMJ shows a pump like movement, therefore, it can be called the second heart;
3. The meridian (qi) of oriental medicine begins around the mouth and ends around the mouth;

4. The meridian computer "AMI" shows that occlusion affects the meridian in oriental medicine;
5. The brain's origin is in the function of eating and the lung's origin is in the extension of the esophagus. The mouth is related to organs.

From these 5 points, TMJ can be hypothesized to be a pump that circulates the meridian in oriental medicine. TMJ as a pump of the meridian (qi) can be applied to oriental medicine, western medicine, dentistry and alternative therapies.

Theory

1. Electromagnetic wave

It is said that the meridian is related to a kind of electromagnetic wave. Animal study proved that

in mice that are completely cut off, the natural magnetic field dies. A cell and a molecule and also an atom are restored to life by the electromagnetic wave.

2. Meridian (qi) stream of the human being

This part is about the meridian stream that restores life and the soul of the human being. The original meaning of the meridian (qi) is in the eating function of the mouth. The animal's origin is in the eating function of a living being. The brain's and the lung's origin is the mouth. The other organs' origins are related to the mouth. The meridian (qi) begins around the mouth and ends around the mouth. The TMJ pump of the animal is great. With four-legged animals, the front side is the shadow and the back side is the sunshine. It is recognized that the front is the shadow (Yin) meridian and the back is the sunshine (Yang) meridian in oriental medicine. The sunshine meridian goes down by the TMJ pump of the mouth and goes down through the back of the body. The meridian that goes down by the pump of TMJ climbs up the front body. This phenomenon can be hypothesized to be the capillary action.

3. Capillarity

Does capillarity exist or not? This was heard in the speech of NASA regarding experiences of the space weightlessness. Capillarity means not only the climbing of water, but also the producing of heat and the discharging of energy. The weightlessness wave related to capillarity belongs to the same class as the electromagnetic wave. With age, as teeth disappear, tender passion and the meridian shrink, as leafless trees withers. From the view point of the oriental medicine and dentistry, the meridian stream climbs up inside the leg and crosses at "Dantian" under the navel and afterwards climbs outside the body trunk. Why does the capillarity flow cross the "Dantian" under the navel? The fetus is known to nourish through the navel. In oriental medicine, the "Dantian" is very important, as it is the place where the soul lives and the root of the meridian, also being the place that harmonizes all the functions. This is the reason why the Japanese knights killed themselves at the "Dantian" level.

The mankind skin direction, dermatome, is similar with the four-legged animal. During the operation, the surgeon cuts the skin horizontally, because standing mankind direction (dermatome) is horizontal. But, by cutting it horizontally, it is the same thing as the tree withers; mankind withers with capillarity. In oriental medicine, cutting is performed vertically.

In this presentation, the proper function of the TMJ pump and capillarity was recognized to be useful to our medicines and therapies.

Subjects

1. Oriental medicine

a) The meridian

From these previous 5 points regarding the TMJ meridian pump, the meridian stream of human beings becomes easy to understand. The shadow (Yin) meridian climbs up the front body by capillary action and the sunshine (Yang) meridian goes down through the back of the body by the function of the TMJ pump. These continue up and down, up and down, by the function of the TMJ pump and capillarity. Meridians which have many streams and a lot of acupoints can be hypothesized to consist of 3 streams.

From medical examination research, I found that many human beings practiced right bite. This may be because the meridian on the left side of that person is weakened and the left bronchus bends. This may be caused also by a heart disease, because the heart lies also on the left side of a person.

b) Wood/fire/earth/metal/water

Water, wood, fire, earth and metal are related to the kidney, liver, heart, spleen and lung. This is the Five Primary Elements Theory, which is the most important concept in oriental medicine, as well as the Meridian Yin-Yang Theory.

This theory says that kidney nourishes liver, liver nourishes heart, heart nourishes spleen, spleen nourishes lung. This theory was brushed off as a joke, being considered an impracticable theory. But these theories are used in clinical practice and great therapeutic effects can be thus achieved. These actual physiological functions can become easy to understand by the five points regarding TMJ and the meridian. By capillary action, kidney nourishes liver and so on. Oriental medicine is the clinic of both capillarity and electromagnetic wave. Other oriental medical theories from old times become easy to understand. For example, "oriental medical examination and diagnosis are practiced by the right side of the person and by the right hand of the examiner".

c) Oriental medical diagnosis

Oriental medical system is divided into 4 classes:

- A. The first class is Shi Zheng, in which capillarity and the function of the TMJ overpower.
- B. The second is Yang Xu Zheng, in which the function of the TMJ is weakened.

- C. The third is Yin Xu Zheng, in which the capillarity is weakened.
- D. The fourth is Yang and Yin Xu Zheng, in which both capillarity and the function of TMJ are weakened.

A. Shi Zheng

In this case, the defensive reaction of the body is not adequate and harmful bacteria will enter. The colour of the tongue is red. The pulse beats higher and faster than normal. It was named Shi Zheng or overpower of both sunshine and shadow meridians.

B. Yang Xu Zheng

The colour of the tongue turns into white, violet and blue. It was named Yang Xu Zheng or the shortage of sunshine meridian.

C. Yin Xu Zheng

The aspect of the tongue is shrunk with wrinkles. The colour of the tongue turns into red, because water capillarity is weakened. It was named Yin Xu Zheng or the shortage of the shadow meridian.

D. Yang and Yin Xu Zheng The tongue presents aspects from both Yin Xu Zheng and Yang Xu Zheng. Its colour turns into blue and shows wrinkles. It was named both Yang and Yin Xu Zheng or the shortage of both sunshine and shadow meridians.

2. Chiropractic AK (Applied Kinesiology) techniques

This part presents professor Sazarland's theory. This theory demonstrates that TMJ breathes by the skull bone. Skull bone movement of Sazarland's theory may be the same as meridian stream direction. From this theory, Hegu (Union Valley), which is used for pain control and analgesic action, becomes easy to understand. All meridians begin and end around TMJ. Only the large intensive meridian of Hegu ends in the skull bone. This meridian functions especially in dental clinical practice. From the meridian's computer "AMI" research, it is known that when occlusion and TMJ are distorted, all meridians change, and only the large, intensive meridian of Hegu, which ends in the skull bone, does not change. By this indication, we recognize that TMJ is the pump of the meridian.

3. Alternative Therapies

a) Pillow

Apart from the academic studies, this presentation regards the living life. In one academic society, a speech was held, concerning the waves generated during the sleep (alpha wave, beta wave)

and apnea. I will discuss about the pillow's role. The pillow bends the neck, which is an important blood and nerve point of a person, so it gives no benefit. But all the people use a pillow, as if a nation who did not use a pillow was ruined. This is one reason why the TMJ pump is not pushed or cut by the pillow. During the sleep, TMJ is resting.

b) Zen

Zen meditation of Buddhism is easy to understand. There was a presentation of Zen in another academic society, too. Zen says that a person must have a straight back and backbone and not to lean towards right, left, front or rear. But why does Zen give this advice over and over again? No one can answer this question. It is the reason why TMJ is not pushed, cut or transformed and the meridian goes straight from the TMJ pump. TMJ as a meridian pump is resting.

c) BI-DIGITAL O-RING TEST

The finger is the point where streams of the TMJ pump and capillarity run into conflict.

4. Western Medicine

The brain hippocampus manages the memory. It is situated by the side of the TMJ meridian pump. The brain's origin is in the function of eating. Pituitary gland is not the brain. Anterior the pituitary gland (hypophysis) lies the distension of the mouth. Properly speaking, the palatal bone was a cleft palate for the pituitary gland. The function of the TMJ meridian pump is not only eating, but also speaking and laughing. There are therapies which use laughter in order to improve health.

5. Dental Medicine

a) Prosthetics

The TMJ meridian pump plays a role in prosthetics. The teeth angle is relative to TMJ angle. If reversed occlusion is treated to normal occlusion by prosthetics, the patient may become schizophrenic, because the movement of the TMJ meridian pump is reversed and the meridian stream direction is also reversed. If Spee curve of occlusion is strong, occlusion must be treated for strong, and if Spee curve is horizontal, the occlusion must be treated for horizontal. In toothless patients, occlusion must be restored as it was before.

If a gold prosthetic appliance is used for the lower teeth, and a silver one for the upper teeth, the patient may become sick, because the meridian's electromagnetic wave movement is reversed.

In old-times oriental medicine, there was said that the heaven meridian entered maxillary

teeth and the ground meridian entered mandible teeth, and, during biting, the meridian of a person is acting. From the view point of the meridian, hard materials used in teeth treatment are better than soft ones (porcelain is better than resin).

For a successful treatment, resilient denture liner is used not only to treat a mucous membrane and the gingival tissues, but also to treat the TMJ meridian pump. A precision articulator is good, but a real articulator is better.

b) TM disorders

TM disorder means not only a bad occlusion, but also sickness of the body, because TMJ is the meridian pump of the body. If teeth are distorted, the face becomes distorted, the meridian is distorted, health is distorted and the person may become sick.

Oriental medicine said that the meridian was produced by tooth bite. In oriental medicine, the original meaning of sick, "xie", represented an abnormal tooth bite. Because of this reason, Orthodontics becomes important.

c) Orthodontics

The TMJ meridian pump is used in Orthodontics. For example, reverse face mask is better than chin cap, because reverse face mask presses TMJ less than chin cap. From the theory of the TMJ pump, I sustain the theory that the mandible and the lower 6-year molars are a basis of Orthodontics, because TMJ is not only a basis for Orthodontics, but also for the body and the maxilla is softer and easier to mould than the mandible.

I was working on the plan of occlusal splint with an orthodontic appliance (OSOA). It cures TM disorders and bruxism and it treats teeth disorders faster than other orthodontic appliances. Its back part is lesser than in other orthodontic appliances, because it works not only on teeth, but also on bones. This appliance is very simple, but simple ways are better than complicated ones.

The canine tooth and the first premolar are deeply related to the sympathetic nerve. 6-year molars are deeply related to the parasymp-

athetic nerve. For example, in a patient whose canine or first premolar is extracted, passion and sexual power are reduced. A patient with an extracted true molar tooth cannot eat comfortably and obtain energy. Non-exodontia is better than exodontia. This appliance works on non-exodontia better and more than other appliances.

- *Class II dento-maxillary anomalies*

By Occlusal Splint with Orthodontic Appliance (OSOA), palatal sutural width increases rapidly, obtaining a rapid palatal expansion; center space width in incisal area also increases. By OSOA's buccal wire, the maxillary anterior teeth are intruded as they are retracted lingually. By OSOA with face bow, the maxillary bone is moved back and the maxillary protrusion is reduced, because maxillary bone is softer and easier to mould. By the anterior block of OSOA, posterior teeth are extruded and posterior alveolar bone grows high and posterior facial height increases. The patient with a deep bite and an overbite can be successfully treated.

- *Class III dento-maxillary anomalies*

With OSOA, palatal sutural width increases. By OSOA lingual wire, anterior teeth are moved buccally and a space is made in the anterior crowding, for a dentition balance. A class III malocclusion can be thus successfully treated sooner than by other orthodontic appliances.

d) Oral Health

From old times, oriental medicine sustained that common cold is the origin of diseases. I say that common cold is not the origin of diseases, but oral cavity is the origin of health and sickness, because the origin of the oral cavity is related to the origin of organs, and the origin of the meridian, being the entrance of diseases. If the oral cavity has many bacteria, the lung and bronchus will have many bacteria. Oral cavity is the origin of all diseases.

Oral health is the origin of good health.

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