

## The Effectiveness of Toothache by Channel Bioelectricity Technology Treatment

Liu Wenhui, Tian Ran, Wang Yuling

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**Abstract:** Channel Bioelectricity Technology (CBT) is a revolutionary innovative medical technology based on channel bioelectricity, and its mechanism is to resonance and conduct the channel. The indication of CBT is the same as acupuncture and even in a wide spectrum. The result showed that the effectiveness on toothache has reached 92.9% (114 patients treated) by one time treatment.

**Keywords:** Channel Bioelectricity Technology, Toothache

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### 1. Background

As the old saying goes: “Toothache is not dangerous disease, but the pain kills”. Dental pain is the most common symptoms dental diseases. Many dental problems can cause pains, like dental caries, acute pulpitis, chronic pulpitis, periodontitis, gingivitis and so on. In some cases, nervous system diseases can also cause dental pains such as trigeminal neuralgia, peripheral facial neuritis. Even in some chronic diseases, dental pains can happen such as high blood pressure, diabetes led pulp necrosis. By traditional Chinese medicine, "Toothache" is caused by YIN deficiency in kidney, weak inflammation flew up caused pains.

There are many TCM technologies to treat toothache including acupuncture, points pressing and TCM herbal medicine. Today, however, most patients will go to Western medicine for heal and are mainly given painkillers and antibiotic treatment.

CBT is a revolutionary innovative medical technology based on channel bioelectricity, and its mechanism is to resonance and conduct the channel. It is the advanced technology based on acupuncture. This study is made on 114 toothache patients treated with CBT.

#### 1、clinical data

The data were collected from June 2009 up to the end of 2010. There are 114 cases treated.

#### 2、Treatment technology

The CBT is based on Bioelectricity Resonating Reviser SKY-303J, the treatment were conducted based on channel bioelectricity theory. The red plate is placed on the face skin which

covers the paining teeth as the treatment point, the black plate is on the other side of the face. The muddle 2 is selected and protection 3 is selected and the resonating strength is between 2-4, the treatment time is varied between 5minutes and 30 minutes.

### 3、 Results

#### 1) self controlled analysis

Among those 114 cases observed (see table 1), 106 cases were cured, efficiency rte is as high as 92.9%. The analysis made by treatment times and it is showed that 42.1% of it were completely cured by one time treatment with 5 minutes, 34.2% were completely cured by one time treatment with 10 minutes, 11.4% were completely cured by one time treatment with 20 minutes, 5.1% were completely cured by two time treatment with 20 minutes. Only 7.2% did not show any effective (Table 2), among those 8 ineffective cases, 2 patients had wisdom teeth, 2 cases had broken teeth, 1 case had gums cut, 1 case had artificial crown, and 2 cases had no clear explanation.

Table 1. Distribution of treatment time and treatment duration

NO. of Cases	Recovered	No effectiveness	Treatment duration (minutes)	NO. of treatments
48	48	0	5	1
39	39	0	10	1
13	13	0	20	1
6	6	0	20	2
8	0	8	30	1
114	106	8	Efficiency rate: 92.9%	

Table 2 Analysis on Effectiveness

Effectiveness Groups	No. of cases	Ratio
5-minute 1 time cured	48	42.1%
10-minute 1 time cured	39	34.2%
20-minute 1 time cured	13	11.4%
20 minutes 2 times Cured	6	5.1% (with sever infection)
1 time treatment no effect	8	7.2%
Total	114	100%

#### 2) Comparison with TCM technology and Western medicine technology

In order to compare the effectiveness on toothache of CBT, the reference of toothache treatment reported by different treatment technologies were searched and the analysis were made. The methods includes acupoints along Channels, Integrative technology between TCM and Western Medicine, Shi Xin tablets, Metal thread buried under points and TCM herbal medicine with western medicine drug (metronidazole)(Table 3). Statistical analysis results showed no significant difference among groups.

Table 3. Analysis on the effectiveness treated with different methods

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
Channel Bioelectricity Technology (CBT)	114	106	8	93	
Acupoints along Channels	18	17	1	96.7	0.646
Integrative technology between TCM and Western Medicine	120	114	6	98	0.588
Shi Xin tablets	16	14	2	87.5	0.355
Metal thread buried under points	86	84	2	97.7	0.193
TCM herbal medicine with western medicine drug (metronidazole)	50	50	0	100	0.108

#### 4、 Discussions

Toothache is common disease, it normally takes 2-7 days to achieve cure results whatever methods taken between TCM or Western medicine, or even integrated. However, with CBT, it takes only one time treatment in general. And it also the following advantages.

1) Compare with acupuncture, it does not use needles so that the side effects of acupuncture can be avoided.

2) Compared with TCM medicine or western medicine drugs, the side effects can also be

avoided.

3) Shorter treatment duration: 93% of patients can be cured by only one-time treatment except toothache caused by wisdom teeth, with artificial crowns, tooth fracture and other structural damage.

#### 5、 Conclusion and recommendation

1) The CBT is the most effective technology for most of toothache, and it takes shorter time and has no side effect.

2. It can reduce the suffering of patients at once and reduce the burden on hospitals.

3) Meanwhile, the reduction of drug therapy can not only reduce the side effects on patients, besides, from the perspective of environmental protection view, it also contribute to environmental protection indirectly as the reduction usage of drug will lead to reduction of drug manufacturing.

4) It is suggested that the CBT should be the first choice in clinical for toothache treatment except toothache caused by wisdom teeth, with artificial crowns, tooth fracture and other structural damage.