

# Analysis on Effectiveness of Channel Bioelectricity Technology On 19 Different Diseases

Yuling Wang, Beijing Shenkang Natural Hospital

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## Abstract:

Channel Bioelectricity Technology (CBT) is an innovated technology based on channel bioelectricity theory proposed by Dr. WANG Yuling, and its mechanism is to resonance the channels. CBT shares the same indications as acupuncture and even in a wide spectrum.

This report has randomly observed 1165 patients treated with CBT, involved 19 different types of diseases. The result showed that the CBT can produce as good effectiveness as other medical technologies.

**Keywords:** Channel Bioelectricity technology (BRT), effectiveness, epilepsy, rare illness

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## I、 Clinical data collection

Patients treated by CBT from June 2009 till the end of 2011, the total number is 1165 and Some patients were treated at PLA General Hospital Beijing, other medical institutions and non-medical institutions.

## II、 Treatment methods

The practitioners used SKY-303J or SKY-303Y Bioelectricity Reviser. It was done by one times per day, each time for 10-60 minutes.

## III、 effectiveness evaluation

Evaluation is made by comparison with the current medical technology. Pain is the main evaluation index for functional diseases, and the effect depends on patients' feelings.

1. Significant Effective: the effect is better than other treatment, and the patients are satisfied.
2. Effect: there is no difference with current medical treatment technology.
3. No-effect: there is no effect at all.

## IV、 Results

Many patients had received various treatments before they received CBT treatment. From table 1, it is showed that CBT is effective for many diseases including epilepsy, and Meniere's syndrome, etc. The CBT is effective for common diseases like swollen etc.(table 1).

Table 1、 19 different diseased treated by CBT

	Name of diseases	No. of Cases	Effective cases	Effective rate (%)	Treatment time (minutes)	Treatment times
1.	Epilepsy	7	7	100	30-40	10—30
2.	Swollen	21	21	100	40	1-30
3.	Liver	11	11	100	20-40	5-30
4.	Meniere's syndrome	7	7	100	5-20	1-5
5.	Paralysis	223	221	99	30-40	5-30
6.	Headaches	33	32	97	2-5	1
7.	Shoulder pains	102	99	97	20-30	1-20
8.	Eye	19	18	95	5-15	1-7
9.	Cold legs	18	17	94	40	1-5
10.	Toothache	114	106	93	5-30	1-3
11.	Cervical spondylosis	74	69	93	15-30	1-30
12.	Stomach pains	82	76	93	20-40	1-5
13.	Low back pains	347	316	91	40	1-30
14.	Trigeminal neuralgia	17	15	88	5-20	1-10
15.	Gynecological inflammation	17	15	88	40	5-20
16.	Three acute symptoms	24	21	88	40	1-10
17.	Insomnia	46	40	87	20-40	1-30
18.	Sore Throat	72	61	85	20-30	1-5
19.	Sinusitis	23	19	83	15-20	10--20
20.	Prostatitis	22	18	82	40	5-20
	Total	1279				

## V. Comparison with TCM technology and Western Medicine technology

In order to compare the effectiveness of CBT on the above 19 different diseases, the reference rate reported by different treatment technologies were searched and used for comparison analysis.

### 1. Analysis on gynecological inflammations among different treatment methods

The treatment methods used for reference on gynecological inflammations can be seen in table 2. The effective rate is between 86.15-100%, while CBT produce effectiveness at 88.24%. Statistical analysis results showed no significant difference among groups.

Table 2. Statistical Analysis on the effectiveness treated with different methods on gynecological inflammations

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	17	15	2	88.24%	
Drug + vagina microwave	290	289	1	99.66%	
Routine western medicine	234	228	6	97.44%	
Treatment of partial closure	100	100	0	100.00%	
Metronidazole	100	92	8	92.00%	
Jingangteng syrup (TCM herbal)	500	460	40	92.00%	
Point Injection	488	461	27	94.47%	
External + Internal Drugs	130	112	18	86.15%	0.58
Norfloxacin suppository	50	47	3	94.00%	
Injection	50	47	3	94.00%	
Integrative Medicine	102	99	3	97.06%	

## 2. Analysis on liver diseases among different treatment methods

The treatment methods used for reference on liver diseases can be seen in table 3. The effective rate is between 88.2-96%, while CBT produce effectiveness at 100%. Statistical analysis results showed no significant difference among groups.

Table 3. Statistical Analysis on the effectiveness treated with different methods on liver disease

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	11	11	0	100.00%	
TCM herbal soup	50	48	2	96.00%	0.67
Bergamot Shi Yan Tang	23	22	1	95.65%	
Ursodeoxycholic acid	54	48	6	88.89%	
Ganlu Xiaodu Tang	30	28	2	93.33%	
TCM iontophoresis	178	157	21	88.20%	0.26

## 3. Analysis on shoulder pains among different treatment methods

The treatment methods used for reference on shoulder pains can be seen in table 4. The effective rate is between 96-100%, while CBT produce effectiveness at 97.06 %. Statistical analysis results showed no significant difference among groups.

Table 4. Statistical Analysis on the effectiveness treated with different methods on shoulder pains

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	102	99	3	97.06%	
Acupuncture + points	68	68	0	100.00%	
Massage	50	48	2	96.00%	
Topical	50	48	2	96.00%	
TCM Herbs	39	39	0	100.00%	
San iron rule increasingly cold Shujin	160	157	3	98.13%	0.43
TCM Herbal product	66	65	1	98.48%	
Physical therapy + excise	50	50	0	100.00%	
Integrative Medicine	356	356	0	100.00%	
Western Medicine	150	148	2	98.67%	

#### 4. Analysis on cervical spondylosis among different treatment methods

The treatment methods used for reference on cervical spondylosis can be seen in table 5. The effective rate is between 87.27-100%, while CBT produce effectiveness at 93.24%. Statistical analysis results showed no significant difference among groups.

Table 5. Statistical Analysis on the effectiveness treated with different methods on cervical spondylosis

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	74	69	5	93.24%	
Massage	68	67	1	98.53%	
Comprehensive treatment	102	99	3	97.06%	
Small round pillow + medicine	100	97	3	97.00%	
Acupuncture	42	42	0	100.00%	
Astragalus Gui Zhi Wu Wu Tang	96	88	8	91.67%	
Traction	55	48	7	87.27%	0.20
Integrative Medicine	16	14	2	87.50%	
FNZ + Danshen	46	44	2	95.65%	
Surgery	78	77	1	98.72%	
Lidocaine	73	64	9	87.67%	
Pulse magnetic therapy	40	37	3	92.50%	
Exercise therapy	325	325	0	100.00%	

### 5. Analysis on Meniere syndrome among different treatment methods

The treatment methods used for reference on Meniere syndrome can be seen in table 5. The effective rate is between 91.74-100%, while CBT produce effectiveness at 100%. Statistical analysis results showed no significant difference among groups.

Table 6. Statistical Analysis on the effectiveness treated with different methods on Meniere syndrome

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	7	7	0	100.00%	
Xiao Chai Hu Tang	30	28	2	93.33%	0.65
Integrative Medicine	30	30	0	100.00%	
Acupuncture	14	13	1	92.86%	0.67
Traditional Chinese Medicine	24	24	0	100.00%	
TCM herbs	66	64	2	96.97%	0.82
Dingxuan soup	69	64	5	92.75%	0.61
Breviscapine	121	111	10	91.74%	0.56
Flunarizine	25	24	1	96.00%	0.78
Acupoint	39	39	0	100.00%	0.78

### 6. Analysis on prostatitis among different treatment methods

The treatment methods used for reference on prostatitis can be seen in table 7. The effective rate is between 82.46-98.41%, while CBT produce effectiveness at 81.82%. Statistical analysis results showed no significant difference among groups.

Table 7. Statistical Analysis on the effectiveness treated with different methods on prostatitis

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	22	18	4	81.82%	
Comprehensive treatment	63	62	1	98.41%	
Integrative Medicine	57	47	10	82.46%	
Zi Ling Capsule + antibiotics	146	119	27	81.51%	
TCM plus terazosin	99	90	9	90.91%	
Drug injection therapy	300	273	27	91.00%	
Microwave treatment	72	70	2	97.22%	
Radiofrequency ablation	80	78	2	97.50%	
Bath Treatment	80	77	3	96.25%	

### 7. Analysis on trigeminal neuralgia among different treatment methods

The treatment methods used for reference on trigeminal neuralgia can be seen in table 8. The effective rate is between 82.61-95.65%, while CBT produce effectiveness at 88.24%. Statistical analysis results showed no significant difference among groups.

Table 8. Statistical Analysis on the effectiveness treated with different methods on trigeminal neuralgia

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	17	15	2	88.24%	
Carbamazepine	46	44	2	95.65%	
Phenytoin	46	28	18	60.87%	0.034
Amide imipramine	14	12	2	85.71%	
Neural injection of adriamycin	61	55	6	90.16%	
Radiofrequency	40	36	4	90.00%	
Peony and licorice decoction	23	19	4	82.61%	0.49
Microvascular decompression	2643	2611	32	98.79%	
Integrative Medicine	60	57	3	95.00%	
Acupuncture	30	30	0	100.00%	

#### 8. Analysis on epilepsy among different treatment methods

The treatment methods used for reference on epilepsy can be seen in table 9. The effective rate is between 80.00-96.67%, while CBT produce effectiveness at 100%. Statistical analysis results showed no significant difference among groups.

Table 9. Statistical Analysis on the effectiveness treated with different methods on epilepsy

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	7	7	0	100.00%	
Carbamazepine + clonazepam	34	28	6	82.35%	0.30
VPA	30	25	5	83.33%	0.33
Levetiracetam	30	24	6	80.00%	0.26
Topiramate	57	53	4	92.98%	0.44
Epilepsy Capsules	68	61	7	89.71%	0.49
Clonazepam	26	23	3	88.46%	0.48
Catgut embedding	60	58	2	96.67%	0.80
TCM	38	34	4	89.47%	0.50

#### 9. Analysis on insomnia among different treatment methods

The treatment methods used for reference on insomnia can be seen in table 10. The effective rate is between 80.00-96.67%, while CBT produce effectiveness at 86.96%. Statistical analysis results showed no significant difference among groups.

Table 10. Statistical Analysis on the effectiveness treated with different methods on insomnia

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	46	40	6	86.96%	
Suanzaoren Decoction	69	63	6	91.30%	
Brain YZ	62	55	7	88.71%	
Acupuncture	56	54	2	96.43%	
High voltage bits	50	50	0	100.00%	
Biofeedback therapy	76	75	1	98.68%	
Acupuncture treatment	30	25	5	83.33%	0.45
<b>diazepam</b>	30	23	7	76.67%	0.20
Chinese Foot bath	80	78	2	97.50%	

#### 10. Analysis on paralysis among different treatment methods

The treatment methods used for reference on paralysis can be seen in table 11. The effective rate is between 90-100%, while CBT produce effectiveness at 99.10%. Statistical analysis results showed that the CBT produce significant high effectiveness compared with General External treatment.

Table 11. Statistical Analysis on the effectiveness treated with different methods on paralysis

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	223	221	2	99.10%	
Timing point selection method	544	494	50	90.81%	0.00
TC-III A paralysis of the treatment machine	92	88	4	95.65%	0.06
Functional electrical stimulation	79	79	0	100.00%	
General External	116	109	7	93.97%	0.01

#### 11. Analysis on blurred vision among different treatment methods

The treatment methods used for reference on blurred vision can be seen in table 12. The effective rate is between 73.00-98%, while CBT produce effectiveness at 95%. Statistical analysis results showed that the CBT produce significant high effectiveness compared with acupuncture.

Table 12. Statistical Analysis on the effectiveness treated with different methods on blurred vision

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	19	18	1	95	
Acupuncture Cupping	50	49	1	98	0.478
Acupuncture	78	57	21	73.1	0.064

#### 12. Analysis on gastric infection among different treatment methods

The treatment methods used for reference on gastric infection can be seen in table 13. The effective rate is between 79.4-94.5%, while CBT produce effectiveness at 93%. Statistical analysis results showed that the CBT produce significant high effectiveness compared with acupuncture.

Table 13. Statistical Analysis on the effectiveness treated with different methods on gastric infection

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	82	76	6	93	
Treatment of Salvia Pieces	128	114	14	89.06	0.474
Danzhi treatment	92	87	5	94.5	0.758
TCM herbal	126	112	14	88.89	0.473
TCM Capsule	136	108	28	79.4	0.011

### 13. Analysis on sinusitis among different treatment methods

The treatment methods used for reference on sinusitis can be seen in table 14. The effective rate is between 77.3-98.1%, while CBT produce effectiveness at 83%. Statistical analysis results showed that the CBT produce significant high effectiveness compared with acupuncture.

Table 14. Statistical Analysis on the effectiveness treated with different methods on sinusitis

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	23	19	4	83	
Endoscopic treatment	12	10	2	83.3	1
After endoscopic sinus surgery combined with fluconazole irrigation treatment	44	34	10	77.3	0.756
Lemon Eucalyptus pinene treatment of chronic rhinitis	60	57	3	95	0.089
Endoscopic sinus surgery	411	403	8	98.1	0.002

### 14. Analysis on sore throat among different treatment methods

The treatment methods used for reference on sore throat can be seen in table 15. The effective rate is between 88.3-94.3%, while CBT produce effectiveness at 85%. Statistical analysis results showed no significant difference among groups.



Table 15. Statistical Analysis on the effectiveness treated with different methods on sore throat

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	72	61	11	85	
TCM Pill	613	578	35	94.3	0.005
Liyan tea treatment	23	21	2	91.3	0.728
Acupuncture	47	43	4	91.5	0.399
Treatment of low-dose clarithromycin	60	53	7	88.3	0.617

#### 15. Analysis on headache among different treatment methods

The treatment methods used for reference on headache can be seen in table 16. The effective rate is between 82.00-97.2%, while CBT produce effectiveness at 97%. Statistical analysis results showed no significant difference among groups.

Table 16. Statistical Analysis on the effectiveness treated with different methods on headache

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	33	32	1	97	
Acupuncture	36	35	1	97.2	1
Brain Joint Capsule Flunarizine treatment	20	18	2	90	0.549
Essential balm massage	53	51	2	96.2	0.673
Radiofrequency treatment of cervical dorsal spinal	32	31	1	96.9	0.746
Self Treatment of Migraine	44	36	8	82	0.07
TCM bath treatment	3	3	0	100	1

#### 16. Analysis on edema disease among different treatment methods

The treatment methods used for reference on edema disease can be seen in table 17. The effective rate is between 79.00-91.67%, while CBT produce effectiveness at 100%. Statistical analysis results showed no significant difference among groups.

Table 17. Statistical Analysis on the effectiveness treated with different methods on edema disease

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	21	21	0	100	
Treatment of low molecular weight heparin calcium and astragalus	52	41	11	79	0.027
TCM capsule combined with pressure	52	46	6	88	0.173
Diosmin tablets oral treatment of limb edema	60	55	5	91.67	0.32
TCM herbal	33	30	3	91	0.274

#### 17. Analysis on deafness among different treatment methods

The treatment methods used for reference on deafness can be seen in table 18. The effective rate is between 75.00-90%, while CBT produce effectiveness at 91%. Statistical analysis results showed no significant difference among groups.

Table 18. Statistical Analysis on the effectiveness treated with different methods on deafness

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	11	10	1	91	
Cervical sympathetic ganglion block	50	44	6	88	0.63
TCM Capsule	128	115	13	90	0.694
"Kidney resuscitation" treatment	20	15	5	75	0.383
Acupuncture and Drug	288	260	28	90	0.71

#### 18. Analysis on low back pains among different treatment methods

The treatment methods used for reference on low back pains can be seen in table 19. The effective rate is between 91.00-96.7%, while CBT produce effectiveness at 91%. Statistical analysis results showed no significant difference among groups.

Table 19. Statistical Analysis on the effectiveness treated with different methods on low back pains

Treatment methods	No. of cases treated	No. of cases with effectiveness	No. of no-effect	Efficiency rate	P
CBT	347	316	31	91	
Spray treatment of rheumatoid	100	91	9	91	0.599
Acupuncture moxibustion combined thermal	120	116	4	96.7	0.045
Caudal drug injection	168	156	12	92.8	0.611
Massage and electronic acupuncture treatment	156	142	14	91	1

#### 19. Analysis on three acute symptoms among different treatment methods

There is no reference found for three acute symptoms , while CBT produce effectiveness at 88%.

#### V. Discussion and conclusion

The analyses for the effectiveness of 19 diseases treated with CBT compared with many other different diseases showed that there is no significant difference. However, for the non-structural diseases, CBT has quicker and more significant effect, such as headache, epilepsy, and Meniere's syndrome.

