

안면신경마비 환자에 대한 한방 치험 1례

강남자생한방병원 한방내과

A Case Report of Facial Nerve Palsy Treated with Korean Medicine Treatment

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ABSTRACT

Objective: This study is designed to evaluate the effects of Korean medicine treatment for facial nerve palsy.

Method: The patient was administered Korean medicine treatment, including acupuncture, pharmacopuncture, and herbal medicine. We used the House-Brackmann Grading System and Yanagihara's Unweighted Grading System to assess the symptoms of facial nerve palsy.

Results: The patient's House-Brackmann grade was reduced from grade 7 to grade 2/3, and Yanagihara's grade was increased from 19 to 32. The patient's symptoms, which were facial pain, facial asymmetry, reduced wrinkling forehead, incomplete closing eye, epiphora, and tinnitus, improved during the hospitalization.

Conclusion: This study shows that Korean medicine treatment may be an effective treatment for facial nerve palsy.

Key words: facial paralysis, Korean medicine treatment, case report

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 1 . : ○ , /66
 2 : Rt. facial palsy
 3 : Neck pain
 4 : 2017 11 07
 5 : (2012), (2012),
 (2012)
 6 : -

7 . : (-), (-)
 8 .
 65 , 158 cm, 63 kg ,
 2017 11 07 .
 2017 11 28
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 1)
 (1) Brain MRI(2017 11 28)
 No acute infarction in the brain, on diffusion
 weighted imagings
 No hemorrhage in the brain, on gradient echos
 Tiny nodular high signals scattered in the
 periventricular white matters, and frontal,
 temporal subcortical white matters
 ; R/O unknown bright objects, such as old
 ischemic foci or small vessel disease
 Preserved ventricular system and cerebrospinal
 fluid spaces
 Rt. maxillary sinusitis
 (2) Chest PA(2017 11 28) : Mild cardiomegaly
 (3) EKG :
 (4) C-Spine AP/LAT(2017 12 20)
 Disc space narrowing in the C5/6 C6/7
 Degenerative spondylosis
 Uncovertebral hypertrophy in the C5/6 C6/7,
 bilaterally
 2) Lab (2017 11 29)
 (1) ESR(Westergren Method) 220 mm/hr
 (2) T-Protein 5.71 g/dL
 (3) Albumin 3.72 g/dL
 (4) BUN(Blood urea nitrogen) 20.8 mg/dL
 (5) Na(Sodium) 147 mmol/L
 10
 1) : 2017 11 28 ~ 2018 01 02

<p>2) (36)</p> <p>100 mg 10 mg</p> <p>10 mg 50 mg</p> <p>(8 g 8 g 6</p> <p>g 4 g 4 g 4 g 4 g</p> <p>4 g 4 g 4 g 4 g</p> <p>4 g 3 g 3 g 3 g 3 g</p> <p>3 g 3 g 2 g 2 g</p> <p>30 3 , , ,</p> <p>(,)</p> <p>30 2</p> <p>3) : 0.25 mm×30 mm</p> <p>(,),</p> <p>(,) 2</p> <p>(,) 15</p> <p>4) : (, , , ,</p> <p>1</p> <p>5) :</p>	<p>11.</p> <p>1) House Brackmann Grading System(H-B grade)</p> <p>1983 House 1985 Brackman</p> <p>House , G</p> <p>(normal) G (total paresis) 6</p> <p>2) Yanagihara's Unweighted Grading System(Yanagihara's score)</p> <p>Yanagihara's Unweighted Grading System</p> <p>1976 Yanagihara</p> <p>5</p> <p>normal function-4 slight paraly-3 moderate</p> <p>paralysis-2 severe paralysis-1, total paralysis-0</p>
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Table 1. House Brackmann Grading System

Grade	Description	Characteristics
Normal	Normal facial function in all areas	
Mild dysfunction	Gross :	slight weakness noticeable on close inspection; may have very slight synkinesis
	At rest :	normal symmetry and tone
	Motion	
Moderate dysfunction	Gross :	obvious but not disfiguring difference between two sides; noticeable but not severe synkinesis, contracture, and/or hemifacial spasm
	At rest :	normal symmetry and tone
	Motion	
		Forehead : slight to moderate movement
		Eye : complete closure with effort
		Mouth : slightly weak with maximum effort

Moderately severe dysfunction	Gross : obvious weakness and/or disfiguring asymmetry
	At rest : normal symmetry and tone
	Motion
	Forehead : none
	Eye : incomplete closure
	Mouth : asymmetric with maximum effort
	<hr/>
Severe dysfunction	Gross : only barely perceptible motion
	At rest : asymmetry
	Motion
	Forehead : none
	Eye : incomplete closure
	Mouth : slight movement
<hr/>	
Total paralysis	No movement

Table 2. Yanagihara's Unweighted Grading System

	Scale of five rating
At rest	0 1 2 3 4
Wrinkle forehead	0 1 2 3 4
Blink	0 1 2 3 4
Closure of eye lightly	0 1 2 3 4
Closure of eye tightly	0 1 2 3 4
Closure of eye on involved side only	0 1 2 3 4
Wrinkle nose	0 1 2 3 4
Whistle	0 1 2 3 4
Grine	0 1 2 3 4
Depress lower lip	0 1 2 3 4

(5) .
 (6) (-)
 (7)
 Brain MRI
 Brain MRI
 old ischemic foci or small vessel disease
 (8) ()
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 1 . TID
 BID, HS

1. 치료경과

1) 2017 11 28

(1)

(2)

(3)

(4)

(9)

H-B grade

Yanagihara's score 19

2) 2018 12 01

(1)

(2)

	(3)		(3)
(3)	H-B grade		H-B grade
	Yanagihara's score 21		Yanagihara's score 27
3) 2018 12 05		7) 2018 12 18	
(1)		(1)	
Brain MRI		(2)	
	BRAIN MRI		
		(3)	
(2)	H-B grade		H-B grade
	Yanagihara's score 21		Yanagihara's score 28
(3)		8) 2018 12 24	
(4)		(1)	
H-B grade		(2)	
Yanagihara's score 21			
4) 2018 12 09		(3)	
(1)		(4)	
		H-B grade	
(2)		Yanagihara's score 30	
(3)		9) 2018 12 29	
(4)		(1)	
H-B grade		(2)	
Yanagihara's score 23			
5) 2018 12 13		(3)	
(1)		(4)	
(2)		(5)	
(3)		H-B grade	
(4)		Yanagihara's score 27	
H-B grade		6) 2018 12 15	
Yanagihara's score 27		(1)	
6) 2018 12 15		(2)	
(1)		H-B grade	
(2)		Yanagihara's score 32	
		10) 2018 01 02	
		(1)	
		(2)	
		H-B grade	
		Yanagihara's score 32	

Year	House-Brackman grade	
	1	2
2010	6	
2011	40.46%	52.61%
2017	68.81%	31.19%
2018	59.54%	47.39%

Year	House-Brackman grade	
	1	2
2017	11	28
2018	1	2

1. Lee SG, Yeo SI, Goh JS, Min BW. Ramsay Hunt Syndrome - Case report on two cases -. *The Korean Journal of Pain* 1992; 5(2): 263-8
2. Park CW, Ahn KS, Choi SJ, Moon DS. A Clinical Study of Facial Nerve Paralysis. *Korean Society of Otorhinaryngology-Head and Neck Surgery* 1998; 41(4): 430-5
3. Korea institute of oriental medicine. Idiopathic Facial Palsy Korean Medicine Clinical Practice Guideline rev. ed. Seoul: Elsevier Korea; 2015, p. 21-2, 25-9
4. Finsterer J. Management of peripheral facial nerve palsy. *Eur Arch Otorhinaryngol* 2008; 265(7): 43-52
5. Lee WS, Kim J. Facial nerve paralysis and surgical

- management. *J Korean Med Assoc* 2009; 52(8) : 807-18
- 6 Peitersen E. Bell's palsy: the spontaneous course of 2500 peripheral facial nerve palsies of different etiologies. *Acta Otolaryngol Suppl* 2002; 549: 4-30
 - 7 Grogan PM, Gronseth GS. Practice parameter: steroids, acyclovir, and surgery for Bell's palsy (an evidence-based review). *Neurology* 2001; 56(7) : 830-6
 - 8 Tark KC. Facial reanimation. *Korean J Head Neck Oncol* 2008; 24(1) : 15-25
 - 9 Lee SW, Han SW. Clinical study of facial nerve paralysis through electro - acupuncture treatment. *J Kor Acupunc & Moxibus* 1999; 16(4) : 149-63
 - 10 Kim MS, Kim HJ, Park YJ, Kim EH, Lee EY. The clinical research of the efficacy of bee venom aqua-acupuncture on peripheral facial paralysis. *J Kor Acupunc & Moxibus* 2004; 21(4) : 251-62
 - 11 Lee CW, Lee SM, Jeon JH, Kim JI, Kim YI. Effects of Needle-embedding therapy on sequelae of peripheral facial palsy: a case series. *J Kor Acupunc & Moxibus* 2011; 28(4) : 93-103
 - 12 Choi JE, Kwon MS, Kim JH, Jo DH, Han JS, Jo HJ, et al. Facial Nerve Damage in Bell's Palsy according to When Korean Medical Treatment was Started : A Retrospective Study. *Journal of Acupuncture Research* 2016; 33(2) : 51-60
 - 13 House JW. Facial nerve grading systems. *Laryngoscope* 1983; 93(8) : 1056-69
 - 14 Kwon HY, Cho TS, Son IS, Youn HM, Seo JC, Jang KJ, et al. The Evaluation of Improvement of Bell's Palsy by Yanagihara's System. *Journal of Acupuncture Research* 2002; 19(1) : 118-26
 - 15 Korean Society of Otorhinolaryngology. *Otorhinolaryngology*. Seoul: Ilchokak; 2005. p. 209-11.
 - 16 Hong MJ, Umh TW, Kim SN, Kim NK. Medical costs for patients with Facial paralysis : Based on Health Big Data. *J Korean Med* 2015; 36(3) : 98-109
 - 17 Donika KP, Kerry HL. Bell palsy: Clinical examination and management. *CCJM* 2015; 82(7) : 419-26
 - 18 Murata K, Nishimoto C, Ohta F. Prediction of sequelae following facial nerve palsy. *J Otorhinolaryngol Relat Spec* 1990; 52(1) : 35-9
 - 19 Kim MB, Kim JH, Shin SH, Youn HJ, Ko WS. A study of facial nerve grading system. *The Journal of Korean Oriental Medical Ophthalmology & Otolaryngology & Dermatology* 2007; 20(3) : 147-60
 - 20 Kim CH, Kim YS. Clinic of paralysis diseases. Seoul: Jeongdam; 1996. p. 233
 - 21 Aris Garro, Lise E. Nigrovic. Managing Peripheral Facial Palsy. *Ann Emerg Med* 2018; 71(5) : 618-24
 - 22 Chen N, Zhou M, He L, Zhou D, Li N. Acupuncture for Bell's palsy. *Cochrane Database Syst Rev* 2010 Aug 4 (8) : CD002914
 - 23 Liang F, Li Y, Yu S, Li C, Hu L, Zhou D, et al. A multicenter randomized control study on clinical acupuncture treatment of Bell's palsy. *J Tradit Chin Med* 2006; 26(1) : 3-7.
 - 24 Li Y, Liang FR, Yu SG, Li CD, Hu LX, Zhou D, et al. Efficacy of acupuncture and moxibustion in treating Bell's palsy: a multicenter randomized controlled trial in China. *Chin Med J* 2004; 117(10) : 1502-06
 - 25 Kim DW, Kim Y, Shin SJ. The clinical effect of Cheongpa-jeon on the group of patients who were treated under conservative remedies for LBP(Low Back Pain). *The Journal of Korea Chuna Manual Medicine* 2004; 5(1) : 85-92
 - 26 Lee SY, Kwon HK, Lee SM. SHINBARO, a New Herbal Medicine with Multifunctional

- Mechanism for Joint Disease : First Therapeutic Application for the Treatment of Osteoarthritis. *Arch Pharm Res* 2011; 34(11) : 1773-7.
27. Kim TH, Yoon SJ, Lee WC, Kim YJ, Shin JS, Lee SH, et al. Protective effect of GCSB-5 an herbal preparation, against peripheral nerve injury in rats. *Journal of Ethnopharmacology* 2011; 136(2) : 297-304.
28. Cho JY, Kim YJ, Kim EJ, Lee SD, Kim KS. The Effects of Hwangyunhaedok-tang Pharmacopuncture by the Anti-inflammatory Action of Suppression of iNOS Production on Mice with Allergic Rhinitis. *The journal of Korean Acupuncture and Moxibustion Society* 2012; 29(1) : 89-101.