

## 1

가

## A Case of Acute Cerebral Motor Cortical Infarction Coincidentally Occurred in Segmental Zoster Paresis

Young Rok Do, M.D., Dong Kuck Lee, M.D.

*Department of Neurology, School of Medicine, Catholic University of Daegu*

Segmental zoster paresis (SZP) is a clinically rare complication of herpes zoster. But it has not been reported that acute cerebral motor cortical infarction coincidentally occurred in SZP. A 86-year-old woman was admitted due to pain, tingling sensation, and weakness of left arm. She had an acute onset of pain and tingling sensation in left arm at first day, shoulder weakness at second day, and multifocal vesicles at fourth day. Deep tendon reflexes of left arm were decreased than right. Electromyography showed an axonal polyneuropathy at superior trunk level of left brachial plexus. Median and ulnar sensory evoked potential tests were normal. Brain MRI showed a high signal in right primary motor cortex on diffusion weighted image. We report a case of acute cerebral motor cortical infarction coincidentally occurred in SZP.

**Key Words:** Segmental zoster paresis, Cerebral motor cortical infarction

5, 6

가

(Fig. 1).

가

가

가

86

가 5

1

T2

가가

(Fig. 2).

Medical Research Council (MRC)

Acyclovir,

score 3,

MRC score 4

가

3

Address for correspondence

**Dong-Kuck Lee, M.D.**

Department of Neurology, School of Medicine, Catholic University of Daegu

3056-6 Daemyeong 4 Dong, Nam-Gu, Daegu, 705-718, Korea

Tel: +82-53-650-4267 Fax: +82-53-654-9786

E-mail: dkleee@cu.ac.kr

19

1



Acyclovir 2 가

가 가

## REFERENCES

1. Kim SK, Lee SH, Choi YC, Choi IS, Kim JH. Neurologic complications of herpes zoster. *J Korean Neurol Assoc* 1994;12:715-722.
2. Thomas JE, Howard FM. Segmental zoster paresis - a disease profile. *Neurology* 1972;22:459-466.
3. Weiss SJ, Streifler M, Weiser HJ. Motor lesions in herpes zoster. *Eur Neurol* 1975;13:332-338.
4. Greenberg MK, McVey AL, Hayes T. Segmental motor involvement in herpes zoster: an EMG study. *Neurology* 1992;42:1122-1123.
5. Biggart JH, Fisher JA. Meningo-encephalitis complicating herpes zoster. *Lancet* 1938;ii:944-945.
6. Fitzpatrick TB, Eisen AZ, Walf K, Freedberg IM, Austin KF. *Dermatology in general medicine*. 4th ed. McGraw-Hill, New York, 1993:2543-2572.
7. Taterka JH, O'Sullivan ME. The motor complications of herpes zoster. *JAMA* 1943;122:737-739.
8. Nee PA, Lunn PG. Isolated anterior interosseus nerve palsy following herpes zoster infection: a case report and review of the literature. *J Hand Surg* 1989;14:447-448.
9. Norris FH Jr, Dramov B, Johnson SG. Neuromyositis in a patient with recurring herpes zoster. *Trans Am Neurol Ass* 1968;93:253-256.
10. Fabian VA, Wood B, Crowley P, Kakulas BA. Herpes zoster brachial plexus neuritis. *Clin Neuropathol* 1997;16:61-64.
11. Mondelli M, Romano C, Rossi S, Cioni R. Herpes zoster of the head and limbs: electroneuromyographic and clinical findings in 158 consecutive cases. *Arch Phys Med Rehabil* 2002;83:1215-1221.
12. Gupta SK, Helal BH, Kiely P. The prognosis in zoster paralysis. *J Bone Joint Surg BR* 1969;51:593-603.