

Combined Regional Variant of Guillain-Barre Syndrome with Paralysis of Pupils and Optic neuritis

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Two separate cranial nerve variants of Guillain-Barre syndrome(GBS) have been reported. One is Miller-Fisher syndrome, the other is polyneuritis cranialis. Involvement of the extraocular muscles in variants of GBS is well recognized, but complete external and internal ophthalmoplegia is rare. Optic neuritis remains the only consistent, albeit very uncommon, evidence of inflammation of central nervous system myelin in GBS. This propose that GBS is part of a spectrum of central and peripheral inflammation.

This case is an unusual clinical variant who had ptosis, ophthalmoplegia, areflexia, ataxia, optic neuritis, marked oropharyngeal, and neck and shoulder weakness. This combined regional from is able to misdiagnose initially as botulism or diphtheria and less so, myasthenia. So if we were consider variant from of GBS, it is possible for make a correct diagnosis more easily and treatment without delay.

Key Words : Guillain-Barre syndrome, Pupils, Optic neuritis

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Table 1. The full-field pattern reversal visual evoked potentials

		right	left	normal
P100 absolute latency(msec)	ipsilateral	131.6	132.2	90-110
	contralateral	128.2	129.2	
inter eye difference(msec)		0.6	1	
P100 amplitude(uV)	ipsilateral	5.17	3.7	10
	contralateral	5.13	3.02	



Figure 1. The patient showing bilateral external and internal ophthalmoplegia with tongue atrophy.

(Fig. 1).
 0.1% pilocarpine
 12,800/mm³ 가 , ESR 47 mm/h 가
 36.5 mg/dL
 107 mg/dL, CI 142 mEq/L 가
 P100 가
 (Tabel 1).

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)
 . F
 . H
 VII, X, XI, XII
 Fisher 가
 4 immunoglobu

lin(0.4 g/kg) 5
 11 가 ,
 ,
 . 2
 , 6
 . Ropper
 pharyngeal - cervical - brachial
 paraparetic , oculomotor
 Fisher :
 (AIDP with secondary axonal degeneration)
 (acute motor axonal neuropathy), 가
 (acute motor sensory axonal neuropathy), Fisher ,
 Miller - Fisher
 Miller - Fisher
 가
 가
 가
 cervico - brachial - pharyngeal
 .
 가
 가
 가
 가

가
Robertson type

1
0.1% pilocarpine

가
(encephalomyeloradicu-
loneuritis),

가
Fisher

가
가

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