

Entrapment Neuropathy of the Suprascapular Nerve by a Ganglion

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- Abstract -

Nerve compression of the suprascapular nerve by a suprascapular notch occasionally occurs, but compression by a ganglion is very rare. We had experienced a case of compression of the suprascapular nerve by ganglionic cyst at the suprascapular notch, which confirmed by electromyographic studies after the diagnosis was suspected. MRI scan showed multilobulated ganglionic cyst at the right suprascapular notch. The patient was treated by excision of the ganglion and had excellent result.

Key Words : Suprascapular nerve, Compression neuropathy, Electromyography

가
1
가
(suprascapular nerve)
35
(superior transverse scapular liga-
ment) 가 1
(suprascapular notch)
(supraspinatus muscle)
(infraspinatus muscle)
(spinoglenoid notch) (Fig. 1-A),
grade III 가

6-2

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X-
Erb's point

(Fig. 2-

C,D).

6 mV, 14 mV
(Fig. 2-A).

(spinous process level)

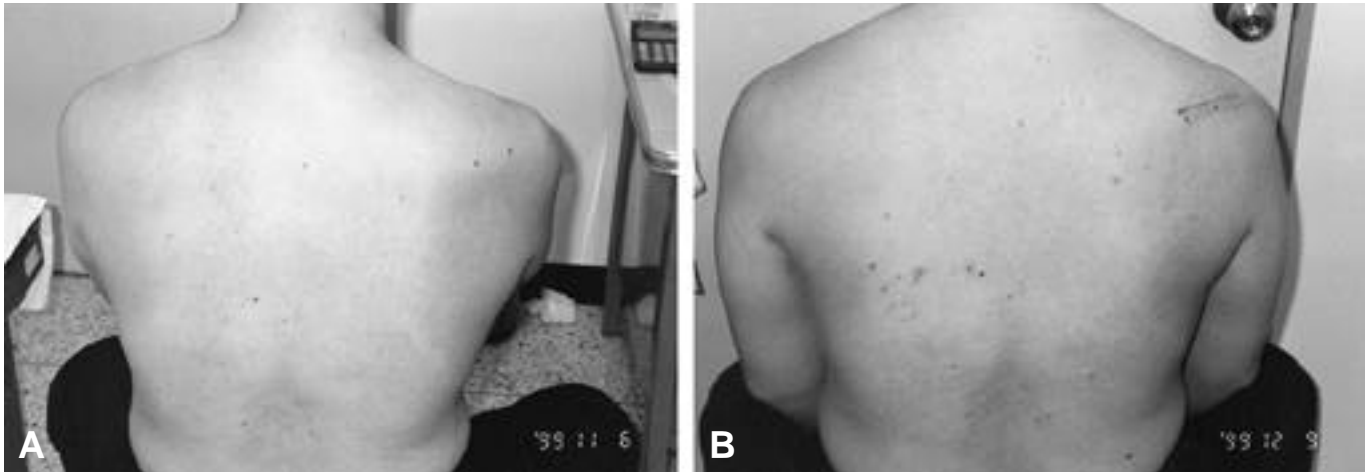


Figure 1. Clinical photograph showing atrophy of the right infraspinatus and supraspinatus muscle due to compression of the suprascapular nerve before surgery(A) and improved atrophy after surgery(B).

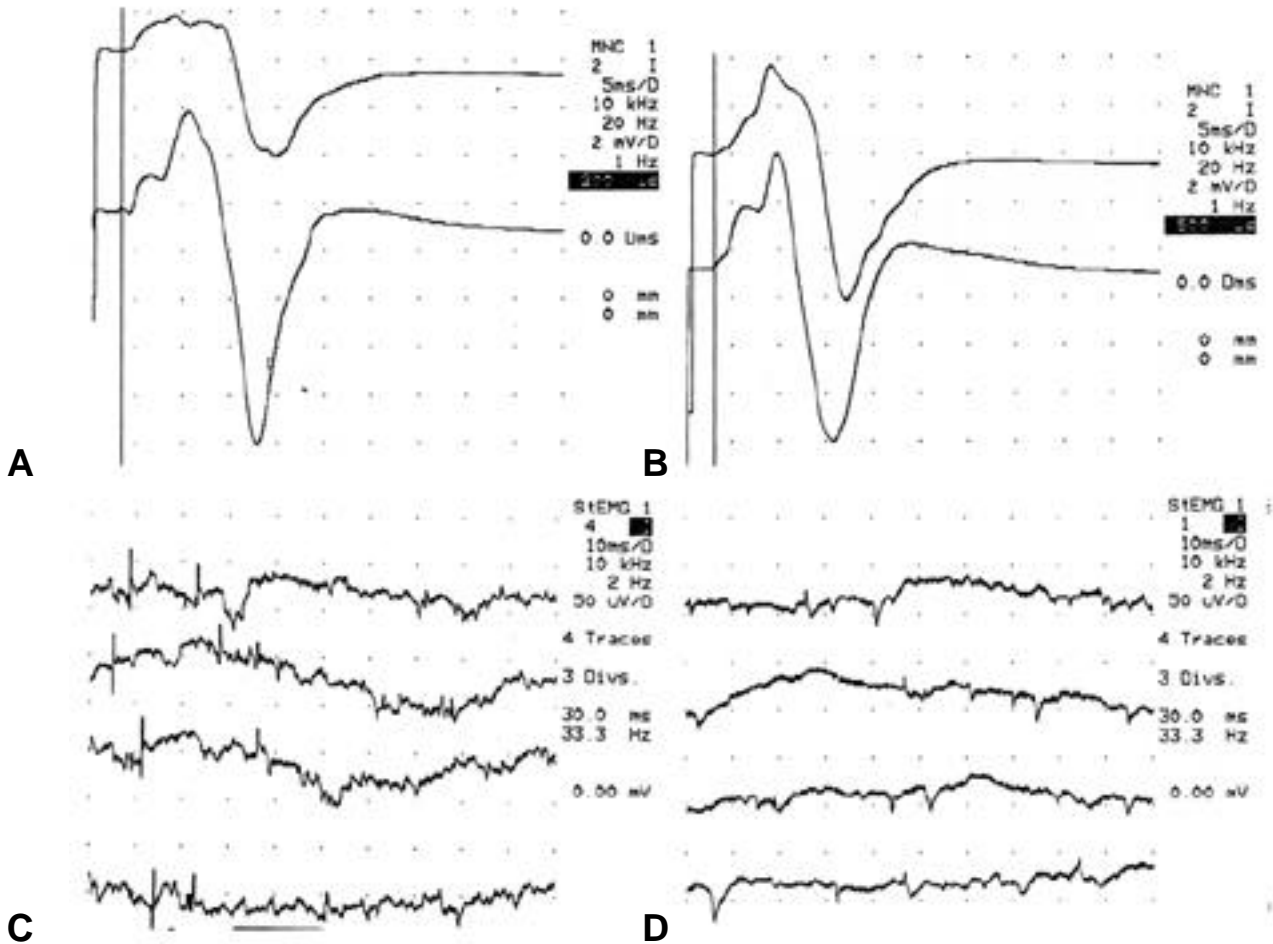


Figure 2. NCV findings from infraspinatus muscle before(A) and after(B) surgery(upper ; right infraspinatus muscle, lower; left infraspinatus muscle). EMG of the infraspinatus muscle(C), supraspinatus muscle(D) showed fibrillation potentials and positive sharp waves

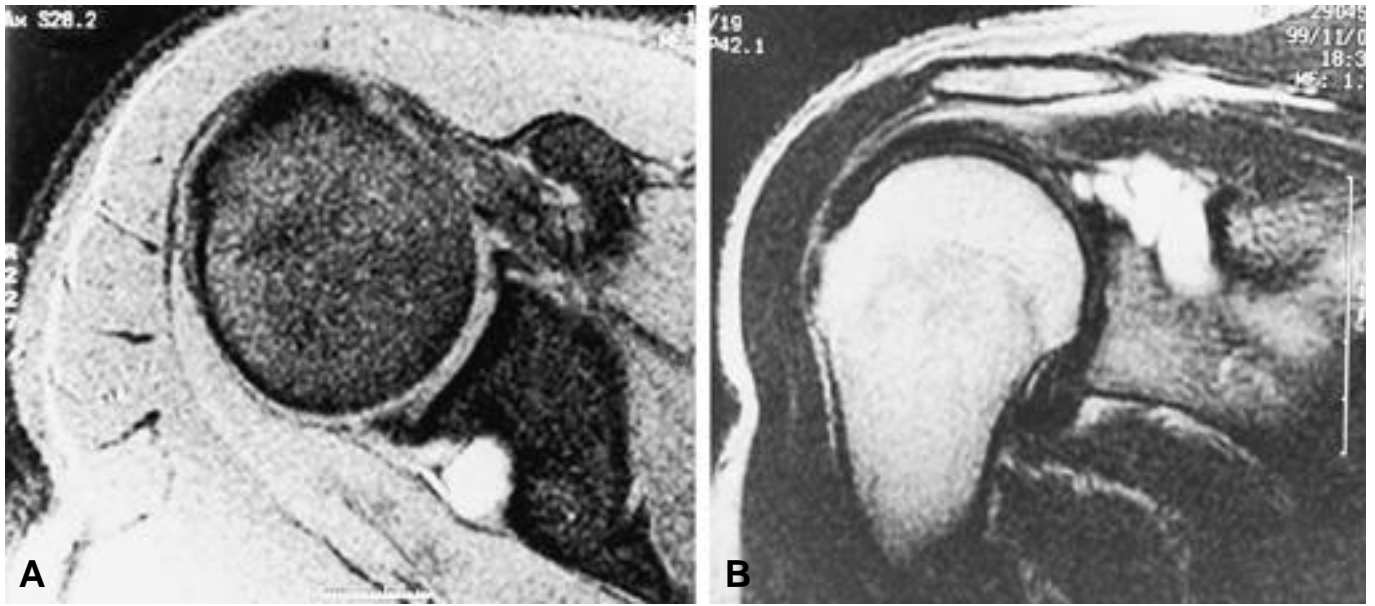


Figure 3. MRI scan showed multilobulated ganglionic cyst extended from the right suprascapular notch to scapular spinous level with high signal intensity in the axial(A) and coronal(B) T2-weighted images.

T1, T2, 1-3,8-12
 (multiple lobulated cystic lesion)
 (Fig. 3).
 0.7 cm x 0.5 cm x 0.5 cm
 (simple ganglionic cyst)
 grade IV
 (Fig. 1-B).
 10 mV 가
 (Fig. 2-B).
 가
 C5, C6 (trapezius m.), (omohyoid m.) (suprascapular fossa) (superior transverse scapular ligament) (spinoglenoid notch) (infra-spinatus fossa) 가 2 가
 (rotator cuff disease), (adhesive capsulitis), (bursitis), (acromioclavicular joint disease), (Pancoast tumor) 3,4,7
 Erb's point 가 가 , 1,3,4,9,11
 (denervation potential) C5 3,4,5,11
 John Mayer 9 4
 (excellent) , 4

C8-T1
 가 (good)
 3
 (bicipital tendinitis)
 1
 가

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