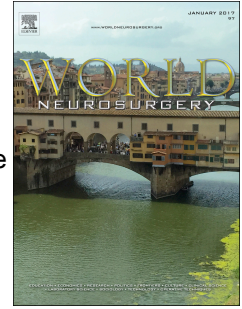


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Cervical Epidural Hematoma that Induced Sudden Paraparesis After a Cervical Spine Massage: A Case Report and Literature Review

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Cervical Epidural Hematoma that Induced Sudden Paraparesis After a Cervical Spine Massage: A Case Report and Literature Review.

INTRODUCTION

For a long time, manipulation therapy has been widely used for treating various forms of musculoskeletal pain. In South Korea, manipulation therapy and chiropractic therapy have been performed in medical institutions, and through various types of massages at non-medical institutions. In terms of the typical side effects, if manipulation therapy is performed for pain induced by a fracture without an accurate diagnosis, the symptoms and fracture may be exacerbated, and myelopathy may worsen if there is pressure on the spinal cord. However, there are only a few reports of the side-effects of manipulation therapy, most of them case reports. The majority of reports regarding cervical vertebrae focus on bleeding due to vascular anomalies.^{1,2}

Cervical epidural hematoma (CEH) commonly occurs because of external injuries accompanying cervical spine fractures or after anterior or posterior spinal surgery. Spontaneous CEH is reported to be correlated with coagulation disorders, vascular anomalies, and pregnancy.³⁻⁷ However, CEH occurring after manipulation therapy or after minor trauma is extremely uncommon.⁸⁻¹⁰ In this report, we describe a case in which a patient was admitted to the hospital for sudden paraparesis after a cervical spine massage, and completely recovered after receiving only conservative treatment following the CEH diagnosis.

CASE DESCRIPTION

A 38-year-old male patient was admitted to the emergency room via an ambulance with the chief complaint of reduced lower extremity muscle strength and dysesthesia. The patient was reported to have experienced sudden paraplegia after receiving a massage from a non-medical institution for pain

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