LETTER TO THE EDITOR

CAMPTOCORMIA: A RARE AXIAL MYOPATHY DISEASE


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INTRODUCTION

Camptocormia [from the Greek words: kamptos (to bend) and kormos (trunk)] is characterized by an abnormal posture of the trunk; the condition involves forced thoraco-lumbar flexion that increases during walking and disappears in the recumbent position.\(^1\)

Camptocormia was first described by Brodie in 1818,\(^2,3\) who suggested that lumbar pain and abnormal curvature of the spine might be caused both by destruction of the vertebrae and by hysterical reactions. In 1915, the term “camptocormia” was proposed for this abnormal posture.\(^4\)

Although early cases were assumed to be psychogenic in origin, several reports of organic causes of camptocormia have been described in lesions affecting the lenticular nucleus,\(^5\) Parkinson’s disease,\(^6,7\) dystonia,\(^8\) and neuromuscular disorders,\(^9,10\) as well as paraneoplastic syndrome,\(^11\) inclusion body myositis,\(^12\) drug-induced camptocormia,\(^13\) and Grave’s disease.\(^14\)

This present case provides clear evidence for camptocormia of organic rather than psychogenic origin.

CASE DESCRIPTION

A 78-year-old Japanese female patient presented with a complaint of lower back pain. She reported that from the age of 66, she had found it progressively more difficult to maintain an erect orthostatic posture. She reported no family history of similar disorders.

Gait analysis showed trunk flexion and drooping arms (Figure 1A). In contrast, when she was allowed to hold onto a table, she could maintain an erect posture; in addition, the thoraco-lumbar spine flexion disappeared when she lay down (Figures 1B and 1C). Lower limb strength was normal. Physical examination of the spine was normal, without scoliosis, cifosis, or lordosis. There were no signs or symptoms of any primary neurologic pathology.

A computerized tomography (CT) scan of the lower lumbar and sacral spine showed usual degenerative changes in intervertebral disks, facets, and vertebrae as well as asparaspinal muscle atrophy.

An electrophysiological study revealed severe chronic symmetric myopathy affecting the lumbosacral paravertebral...
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Camptocormia is a syndrome confined to the extensor muscles of the spine. There are usually no other motor or sensory symptoms. Lumbar radicular nerves are unaffected. However, some patients may suffer mild discomfort in the lower back. Moreover, some authors suggest that symptoms may not occur unless there is also hip flexion contracture. The patient received conservative treatment with orthesis and physiotherapy support, and the level of back pain was stabilized.

DISCUSSION

Muscle, and no abnormalities of the lower extremities. A localized muscle biopsy revealed muscle tissue atrophy without any inflammation. Laboratory analysis gave results within normal ranges. The patient received conservative treatment with orthesis and physiotherapy support, and the level of back pain was stabilized.

REFERENCES