Foot Drop Due To Peroneal Ganglion Cyst In An Adolescent

C Jackman, D Sokol, K Applegate, K Kayes, W Mahmud

Citation

Abstract
Nerve compression by a ganglion is rare in children. Compression of the peroneal nerve by a ganglionic cyst causing foot drop is reported in an adolescent male.

CASE REPORT
A 14 year-old male tennis player presented with a gradually progressive left foot drop. Three weeks prior, he found a knot behind his left knee that resolved. Sagital MRI T2-weighted images of the left knee demonstrated a lobulated, cystic mass, antero-lateral to the fibular head. Upon excision, a ganglion cyst was found to be compressing the common peroneal nerve. The child recovered at three months.

CONCLUSION
Nerve compression by a ganglion is rare in children (1). Rapid, repetitive actions involving acceleration/deceleration have been theorized to predispose ganglion cyst formation (2).

Figure 1
Figure 1: Sagittal T-2 weighted image of left knee showing ganglion cyst compressing peroneal nerve.

Figure 2
Figure 2: Axial T-2 weighted image of left knee showing ganglion cyst.

References
Author Information

C. Jackman
Department of Neurology, Riley Hospital, Indiana University School of Medicine

D. Sokol
Department of Neurology, Riley Hospital, Indiana University School of Medicine

K. Applegate
Department of Neurology, Riley Hospital, Indiana University School of Medicine

K. Kayes
Department of Neurology, Riley Hospital, Indiana University School of Medicine

W. Mahmud
Department of Neurology, Riley Hospital, Indiana University School of Medicine