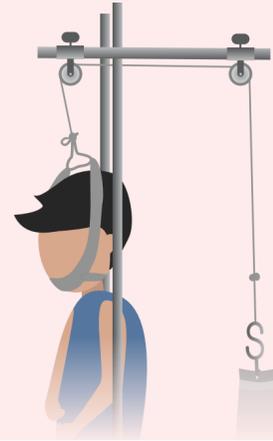
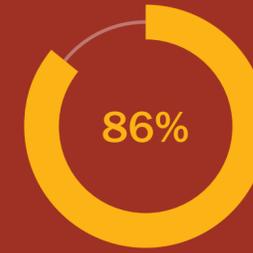


Cervical Halter Traction for the Treatment of Children with Atlantoaxial Rotatory Fixation

Atlantoaxial rotatory fixation (AARF) is a spectrum of rotational abnormalities of the C1 and C2 vertebrae that impedes neck movements



Factors associated with AARF



Minor trauma



Upper respiratory infection (Grisel syndrome)

A retrospective cohort study to evaluate the efficacy and long-term outcomes of halter traction in treating AARF

Children diagnosed with AARF
n = 43
(Average age = 7.9 years)



Male
(n = 31)



Female
(n = 12)



In-hospital cervical halter traction and follow-up (≥ 12 months)

Analysis



Radiographic outcomes

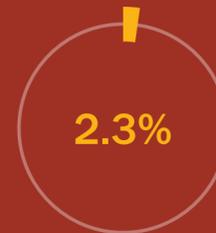


Long-term clinical outcomes

After cervical halter traction



Patients achieved normal cervical alignment



Patients experienced recurrence



No neurological deficits or major complications



Cervical halter traction restores normal cervical alignment in most cases of AARF

Halter Traction for the Treatment of Atlantoaxial Rotatory Fixation

Yeung and Feng (2022) | DOI: 10.2106/JBJS.21.00831

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