



Rehabilitation of Bell's Cruciate Paralysis in Type II Odontoid Fracture: Case Report. Dr. Zainab Al Lawati, MD, MEd, FRCPC, FAAPMR



presenting as upper extremity weakness with minimal or no involvement of the lower extremities. Cranial nerves can be compromised. It usually occurs due to trauma to the axis and/or atlas. Clinical presentation as well as magnetic resonance imaging (MRI) can aid in confirming the diagnosis. Physiatry involvement is vital to facilitate the rehabilitation plan and ensure optimal recovery. Respiratory care is one of the important aspects given the involvement of respiratory muscles such as sternocleidomastoid and the scalene muscles.

Patient might require chemo denervation to manage cervical dystonia. Nutrition can be maintained with PEG tube at the early stages as the upper extremities weakness might interfere with proper feeding. Patient may initially require manual wheelchair to mobilize independently. Prognosis varies depending on patient's premorbid physical endurance, social supports and the mechanism of injury.



Initial INSCSCI exam

CONCLUSION

Cruciate Paralysis is an important cause of brachial diplegia and must be differentiated from acute Central Cord syndrome which can have similar clinical features. Cranial nerve injury can be involved. This report illustrates the significance of Physiatry involvement in high spinal cord injuries and the ability to detect rare injuries and ensure adequate and appropriate management in a timely manner.

REFERENCE

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