A Bad Bodycheck

Wai P. Ng, MD, PhD, FRCSC

A 15-year-old male was checked into the board during a hockey game two hours ago. He instantly became quadriplegic.

On examination, he is:

- hypothermic (35.5 C),
- hypotensive (80/40 mmHg),
- tachycardic (120 bpm) and
- tachypneic (32 respirations per minute).

He has no movement in his arms and legs, with a C5 sensory level. Plain C-spine X-rays and computed tomography scan (Figure 1) are performed.

What is the diagnosis and management?

This patient sustained a devastating acute cervi-Not for Sale or Commercial Distribution Unauthorised use prohibited. Authorised users can download,

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Figure 1. Computed tomography of spine.

main considerations should include Carri immobilization, airway protection aspiration, intubati

sympathetic vasomotor control. Tachypnea might result from intercostal muscle paralysis. The acute flaccid quadriplegia (neurogenic spinal shock) will be followed by the characteristic spastic paralysis in the coming weeks and months.

The use of intravenous methylprednisolone is controversial and has not been recommended by some neurosurgeons, since the reported meaningful functional recovery is minimal.

Dr. Ng is a Consultant Neurosurgeon and Assistant Professor, Division of Neurosurgery, Department of Clinical Neurological Science, The University of Western Ontario, London, Ontario.

Once he is stabilized, the patient should be transferred urgently to a tertiary neurosurgical centre.

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