

## Posterior fusion for CSM

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Posterior cervical fusion adding laminar screw fixation in the subaxial cervical spine

### Case 1.

A 23-year-old female with no underlying disease had neck pain, left-sided hemiparesis after in car accident, and was brought to the emergency department. She was in back seat and didn't fasten seat belt.

In left upper limb shoulder abduction, elbow flexion, wrist extension, elbow extension, and grasp were all motor grade II. In right upper limb shoulder abduction, elbow flexion, wrist extension, elbow extension, and grasp were all motor grade IV+. Her left lower limb motor power was grade IV, right lower limb motor power was grade V.

Posterior cervical fusion with laminoplasty

### Case 2.

A 71-year-old male with underlying disease hypertension and DM was presented with quadriparesis after slip down in farmland two days ago. He visited local hospital and diagnosed cervical cord injury, then was injected prednisolone 125mg q 12hr in there.

According to local hospital, at first day, his both upper limb motor power was grade II, lower limb motor power was grade III, and both upper limb had tingling sensation. After two days of steroid injection, he transferred to our hospital for further management.

At arrival in our hospital, In right upper limb shoulder abduction, elbow flexion, wrist extension, and elbow extension were motor grade IV and grasp power was grade III. In left upper limb shoulder abduction, elbow flexion, wrist extension, elbow extension, and grasp were all motor grade IV. His right lower limb motor power was grade IV, and left lower limb motor power was grade IV+.

He had myelopathy symptom like unable to fasten button, and write a sentence. He only walked with assistance's aids, and failed grip and release test.