

## Successful Treatment of a Combination of Ventral Slot and Intradiscal Oxygen–Ozone Injection on Cervical Multiple Intervertebral Disc Herniation in a Dog

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A 6-year-old male Shih-tzu dog was referred to veterinary medical teaching hospital of college of veterinary medicine, Konkuk University with a history of progressive tetraparesis. The dog was diagnosed with multiple caudal cervical intervertebral discs herniation (IVDH) at C4-5, C5-6 and C6-7, according to neurological examination, survey radiographs and magnetic resonance imaging (MRI). Spinal cord compression rate (height of herniated disc: diameter of spinal canal ratio) were 33.33% (C4-5), 55.56% (C5-6) and 44.44% (C6-7) on sagittal MRI views.

We performed a ventral slot decompression only at predominant lesion (C5-6) and oxygen-ozone intradiscal injection at other two discs under fluoroscopy guidance. The next day, the dog's cervical pain had disappeared and at two days after the surgery, he walked with mild motor weakness of the forelimb. On 3 weeks after surgery, motor weakness of the forelimb was not observed and the dog showed normal gait. On MRI views at two months after surgery, revealed that the herniated discs were sufficiently removed at the C5-6 and shrunken at the C4-5 and C6-7. In conclusion, it is considered that this treatment is as an alternative method for multiple caudal cervical IVDH.

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