

A Case of the Myelomalacia in a Dog with Paraplegia

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Signalment: A 3-year-old castrated male Dachshund dog was referred with the primary complaint of hindlimbs paralysis 3 days ago.

Result: On physical and neurologic examinations, lower motor neuron signs of the both hindlimbs, no back pain, and urine overflow were identified. On radiographic views, intervertebral space was narrowed at T12-T13 and L6-L7. Magnetic resonance imaging showed disc degeneration and protusion at T12-T13 level, and mild disc protusion at T13-L1 level. On decompression via hemilaminectomy, it was appeared hematoma and degeneration of spinal cord at T12-T13 and melting of the spinal cord. Ascending type of progressive myelomalacia was diagnosed. One day after surgery, deep pain of the bilateral forelimbs decreased. A few hours later, effort breathing and apnea occurred. The dog died during treatment management.

Clinical relevance: The dog had acute hindlimbs paralysis followed by forelimbs paresis, caused by myelomalacia. It was considered that the dog with myelomalacia had poor prognosis, despite of extensive treatment against myelomalacia.

Key word: myelomalacia, ascending type, Dachshund, dog

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