Teaching *NeuroImages*: CSF leaks and spontaneous intracranial hypotension

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Figure 1 Contrast axial T1-weighted MRI shows intense linear and diffuse dural enhancement

A 30-year-old man developed a severe postural headache over a period of a month. MRI revealed diffuse dural enhancement (figure 1), and radionuclide cisternography showed widespread CSF leaks (figure 2).

It has been suggested that spontaneous intracranial hypotension is caused by CSF leakage, but he has no clinical manifestation associated with connective tissue disease, or other medical condition to cause CSF leakages.^{1,2} To work effectively, he has repeatedly jumped around in a quarry. Therefore, we could suggest that the etiology was the cumulative effects of stressful impact to his spine.

AUTHOR CONTRIBUTIONS

Hojin Choi, MD, wrote the manuscript. Kyu-Yong Lee, MD, PhD, reviewed and corrected the manuscript. Jinho Lee, MD, participated in treatment of the patient. Seong-Ho Koh, MD, PhD, and Young Joo Lee, MD, PhD, reviewed and discussed the images.

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Figure 2 Radionuclide cisternograms show CSF leakage at the level of the bilateral cervico-thoracic junction of the spine and the multiple T spine level

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