Multiple foraminal compression in a child with sialidosis type 2

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Figure Spinal MRI in sialidosis type 2

T2-weighted (A) sagittal and (B, C) transversal MRI: enlarged ganglia, neuroforamina (asterisks); thickened prevertebral ganglia (arrows). (B) Thoracic and (C) sacral spine.

A 7-year-old girl with infantile sialidosis type 2 presented with progressive tetraparesis. MRI of the spine showed enlarged nerve roots and paravertebral ganglia of the entire spine (figure). Neuroblastoma and neurofibromatosis were excluded. Six months later, neuropathic pain of arms and legs and allodynia appeared; treatment with gabapentin (50 mg/kg body weight) was successful.

Intracellular deposits in sialidosis consisting of sialylated oligosaccharides and glycolipids are present in many tissues.^{1,2} This unusual presentation of multiple foraminal compression is most likely due to deposits in the spinal roots and paravertebral ganglia in this patient with sialidosis type 2.

Author contributions

H.U. Bender: drafting/revising the manuscript, data acquisition, study concept or design, analysis or interpretation of data, accepts responsibility for conduct of research and final approval. I. Borggraefe: data acquisition, accepts responsibility for conduct of research and final approval, acquisition of data. E. Coppenrath: data acquisition, analysis or interpretation of data,

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accepts responsibility for conduct of research and final approval, contribution of vital reagents/tools/patients, acquisition of data. E.M. Maier: drafting/revising the manuscript, data acquisition, analysis or interpretation of data, accepts responsibility for conduct of research and final approval.

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Disclosure

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