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DOI: 10.1159/000222785**A Case of Cortical Infarction with Isolated Sensory Disturbance in the C₈ Nerve Root Area**Arisa Umesaki^a, Hisakazu Uno^a, Hitoshi Niki^a, Takako Torii^a,
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An 84-year-old man suddenly developed sensory disturbance on the right ulnar side of the hand and antebrachial region consistent with the C₈ nerve root area (fig. 1). His MRI disclosed left small cortical infarction (fig. 2) without cervical lesion. Such infarction exhibiting isolated segmental sensory deficit has never been reported previously.

Fig. 1. Temperature, pain and tactile sensations were impaired on the right ulnar side of the hand and forearm consistent with the C₈ nerve root region.

Fig. 2. **a** MRI (diffusion-weighted imaging) the day before admission demonstrated a recent, small cortical infarction in the vicinity of the left central sulcus. Follow-up MRI (fluid-attenuated inversion recovery imaging) at 11 days after admission confirmed the cortical lesion, as shown in horizontal (**b**) and coronal (**c**) sections.