Intraorbital Granuloma in Granulomatosis with Polyangiitis

Takao Nagashima¹, Hiroto Obata² and Seiji Minota¹

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A 56-year-old woman with longstanding granulomatosis with polyangiitis (GPA) presented with blurred vision in the right eye during an outpatient follow-up visit. Due to severe scleritis and uveitis in her left eye, she had lost her vision in the left eye 7 years previously, leading to phthisis. Visual acuity in the right eye remained at 20/20, however, she had a visual field defect. She has been treated with prednisolone 15 mg/day along with methotrexate 12 mg/week. Magnetic resonance imaging of the orbit revealed that the left orbit was completely filled with granulomatous tissue, which was also present along the medial wall of the right orbit (Picture). She was diagnosed with relapse of GPA, and rituximab 375 mg/m² was added to her treatment at once weekly for 4 weeks. Thereafter, the blurred vision in her right eye rapidly improved, while the size of the bilateral orbital granuloma decreased gradually.

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