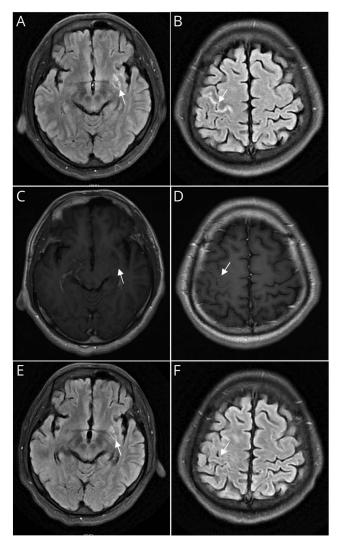
Teaching NeuroImage: Seizures as the Initial Symptom of Relapsing Polychondritis

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Figure 1 Brain Magnetic Resonance Imaging (MRI)



(A-D) MRI fluid-attenuated inversion recovery (FLAIR) showed hyperintensities, and postcontrast T1-weighted showed partial enhancement in left subinsular and right frontal cortices (white arrows). (E and F) Two months later, MRI FLAIR revealed a size reduction of lesions.

A 41-year-old man presented with generalized tonic-clonic seizures. MRI revealed left sub-insular and right frontal cortex lesions (Figure 1). CSF analysis showed 17 white cells/mm³ (lymphocytes 92%), normal protein, and glucose. The infection and autoimmune screening were negative. On day 3, bilateral auricles swelling and episcleritis emerged (Figure 2).

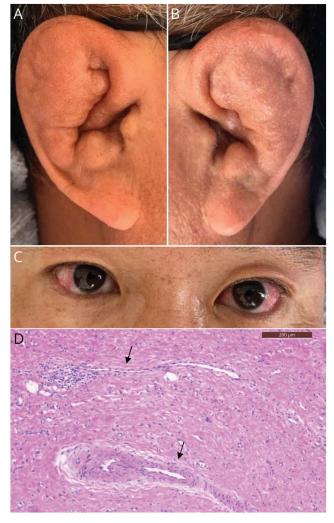
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Figure 2 Clinical Manifestations and Auricle Biopsy



(A-C) Bilateral auricular chondritis and episcleritis. (D) Biopsy of left auricle revealed perivascular lymphocytic infiltration (black arrows; Hematoxylin/eosin).

Biopsy of left auricle revealed perivascular lymphocytic infiltration (Figure 2), consistent with relapsing polychondritis (RP). The patient's symptoms improved after oral prednisolone.

Only 3%–13.81% of the patients with RP exhibited CNS involvement, and CNS manifestations were heterogeneous. RP with onset of seizures is rare. A previous autopsy report showed extensive cerebral and systemic vasculitis in RP.

Acknowledgment

We thank Dr. Anting Xu and Dr. Zhe Wang (Department of Otolaryngology, The Second Hospital, Cheeloo College of Medicine, Shandong University) for patient's auricle biopsy. We also thank Dr. Haitao Wang (Department of Pathology, The Second Hospital, Cheeloo College of Medicine, Shandong University) for the pathologic diagnosis.

Study Funding

This work was financially supported by Shandong Provincial Natural Science Foundation, China (Grant Nos. ZR2015HM024 and 2019GSF108066 to SLX); IIFDU and SFR for ROCS, SEM.

Disclosure

The authors report no disclosures relevant to the manuscript. Go to Neurology.org/N for full disclosures.

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Yingying Xu, MD	Department of Neurology, The Second Hospital, Cheeloo College of Medicine, Shandong University, Jinan, China	Drafting/revision of the article for content, including medical writing for content
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Neurology 2022;98;e677-e678 Published Online before print December 3, 2021

DOI 10.1212/WNL.00000000013144

This information is current as of December 3, 2021

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