

Two cases of chronic tonsillitis studied by FDG-PET

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We report two cases of chronic tonsillitis studied by FDG-PET. Symmetrical high FDG uptake by the tonsils was observed in both cases. On histopathologic examination of the resected tonsils, follicular hyperplasia was observed with proliferation of lymphocytes in the germinal centers. Increased glucose metabolism in active inflammation involving lymphocyte proliferation was thought to be a cause of high FDG uptake by tonsils in chronic tonsillitis.

Key words: fluorine-18-fluorodeoxyglucose (FDG), positron emission tomography (PET), tonsil, lymphocyte, inflammation