

A chronic lymphocytic leukemia patient with progressive multifocal leukoencephalopathy caused by John Cunningham Virus

Pristya Ramadhani, author

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20480122&lokasi=lokal>

Abstrak

Progressive multifocal leukoencephalopathy (PML) is a rare but fatal disease leading to severe neurological impairments. PML is a clinical manifestation, which is usually associated with John Cunningham virus (JCV) infection. It is also correlated to malignancies that mainly include hematologic malignancies such as chronic lymphocytic leukemia (CLL). Until now, no specific treatment has been established for JCV-induced PML; therefore, the prognosis of this disease is poor. We present a case of a 67-year-old woman who suffered from CLL with a chief complaint of seizure. Her clinical symptoms, results of brain MRI and biopsy were suggestive for the JCV-induced PML. The patient had received treatment using mefloquine at dose of 250 mg/day with no clinical improvement.

.....Kasus progressive multifocal leukoencephalopathy (PML) jarang terjadi, tapi berakibat fatal yang menyebabkan gangguan neurologi yang berat. PML merupakan suatu manifestasi klinis yang biasanya berkaitan dengan infeksi virus John Cunningham (JC). PML juga berhubungan dengan kondisi keganasan, terutama keganasan hematologi, misalnya leukemia limfositik kronik. Sampai saat ini belum ada terapi yang tepat untuk PML yang diakibatkan virus JC, sehingga prognosis pada penderita ini sangat buruk. Laporan kasus ini menyajikan suatu kasus yakni keluhan utama kejang. Gejala klinis asien, hasil MRI kepala serta hasil biopsi otak mendukung diagnosis PML akibat virus JC. Pasien mendapatkan terapi mefloquine 250 mg/hari, tetapi tidak mengalami perbaikan klinis.