

Abstract

Cerebral venous sinus thrombosis (CVT) is a rare form of stroke and venous thromboembolism (VTE) which can result in bad prognosis partly due to misdiagnosis owing to the fact that CVT can have myriad presentations.

A majority of patients who present with CVT are young and have risk factors for thrombosis. Among numerous hereditary thrombophilic conditions homozygous MTHFR C677T (MTHFR 677C>T) gene variant/mutation which is known to cause hyperhomocysteinemia is controversial and debatable that it significantly increases the risk of vascular thrombosis. In addition to that, eventhough less talked of, vitamin B₁₂ deficiency (in vegans) and Folic acid deficiency contribute to hyperhomocysteinemia that can increase the risk of vascular thrombosis.

Here we present a case of extensive cerebral venous sinus thrombosis in a previously well young vegan who was subsequently found to have homozygous MTHFR C677T gene mutation in a background of relative vitamin B₁₂ deficiency where he was offered indefinite anticoagulation and vitamin supplements.
