Dural sinus thrombosis with the empty delta sign

Trombose de seio dural com o sinal do delta vazio

Diogo Goulart Corrêa¹,², Geraldo Veloso Correia¹, Rafael Silveira Borges¹,²

A 43-year-old woman, presented with headache, reduced visual acuity, for 5 days and bilateral papilledema. Non-enhanced cerebral computed tomography (CT) was normal. The venous angiography-CT revealed the empty delta sign within superior sagittal, right transverse and sigmoid sinuses, characterizing sinus thrombosis (Figure). The empty delta sign is a central intraluminal filling defect, representing a thrombus surrounded by contrast-enhanced dural collateral venous channels¹. It can be seen in 25%-75% of sinus thrombosis, using wider window settings than those used for brain parenchyma². Most often, non-contrast CT is normal, hence the importance of using intravenous contrast when suspecting of dural thrombosis³.

References


¹Hospital Casa de Portugal, Rio de Janeiro RJ, Brazil; ²Universidade Federal do Rio de Janeiro, Rio de Janeiro RJ, Brazil.

Correspondence: Diogo Goulart Corrêa; Rua Duquesa de Bragança, 85 / ap. 109; 20540-300 Rio de Janeiro RJ, Brasil; E-mail: diegogoulartcorre@gmail.com.br

Support: Hospital Casa de Portugal

Conflict of interest: There is no conflict of interest to declare.

Received 08 May 2014; Received in final form 25 July 2014; Accepted 14 August 2014.