We describe the case of a 67 years old man, that underwent orthotopic liver transplant (OLT) in 2004 for cirrhosis. Native liver histological examination was negative for focal hepatocarcinoma (HCC) areas. In 2008, during regular follow up, pulmonary lesions were found and diagnosed as hepatocarcinoma metastasis. In 2013, patient accused vertigo and dizziness: neuroimaging showed a cerebellar lesion. Hystological diagnosis was HCC metastases. The peculiarity is the onset of lung metastasis after transplant, with negative analysis on native liver, and brain metastasis after stable disease. This case is also relevant due to long survival related to the unavailability of many oncologic therapies in transplanted patients.