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Bilateral Agenesis of Internal carotid artery: A case report

Samah Al Obaidi and Rola Mahmood

Department of Radiology, Salmaniya Medical Complex, Bahrain

Congenital absence of the internal carotid artery is a rare anomaly, occurring in less than 0.01% of the population. It includes agenesis, aplasia, and hypoplasia of the internal carotid artery. Recognition of these anomalies has important implications during planned surgery, in thromboembolic disease, and in the surveillance and detection of associated cerebral aneurysms. It is usually an incidental finding on color Doppler carotid ultrasonography, angiography, computed tomography, or magnetic resonance imaging of the head and neck taken for some other reasons. Most of the patients are asymptomatic due to the presence of sufficient cerebral circulation supplied by the communicating arteries of the circle of Willis, intercavernous anastomosis, external carotid artery and by persistent embryologic arteries to the carotid artery territory. Nevertheless, in some cases this anatomic variation may eventually lead to some clinical signs and symptoms. We present a case of left ICA aplasia diagnosed after work-up of neurological events.

Biography

Finished her High School attended: Khawla secondary girl's school; 2003-2006. GPA= 99.3% Graduated from Medical university attended: Royal College of Surgeons in Ireland. 2006-2011 Completed internship in Salmaniya Medical Complex- Bahrain Completed Bahrain licensure exam in June 2012. Completed Saudi licensure exam in June 2012. Previous job: ultrasound specialist and patient support consultant in Abbott laboratories from September 2012 to August 2013. Current Job is radiology resident in Salmaniya Medical Complex.

rola.mahmood@gmail.com

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