After a transient ischemic attack, this 68-year-old patient was referred for transesophageal echocardiography to look for a possible cardiac source of embolization. There were no heart murmurs. Transesophageal echocardiography was unremarkable except for the incidental finding of a quadricuspid aortic valve (Figure). Doppler studies demonstrated minimal aortic regurgitation and no stenosis. There was no evidence of any other congenital anomaly. The pulmonary artery and valve were normal (no truncus arteriosus).

Transesophageal echocardiography of aortic valve shows four cusps (1 through 4). A, Diastolic frame; B, systolic frame.