

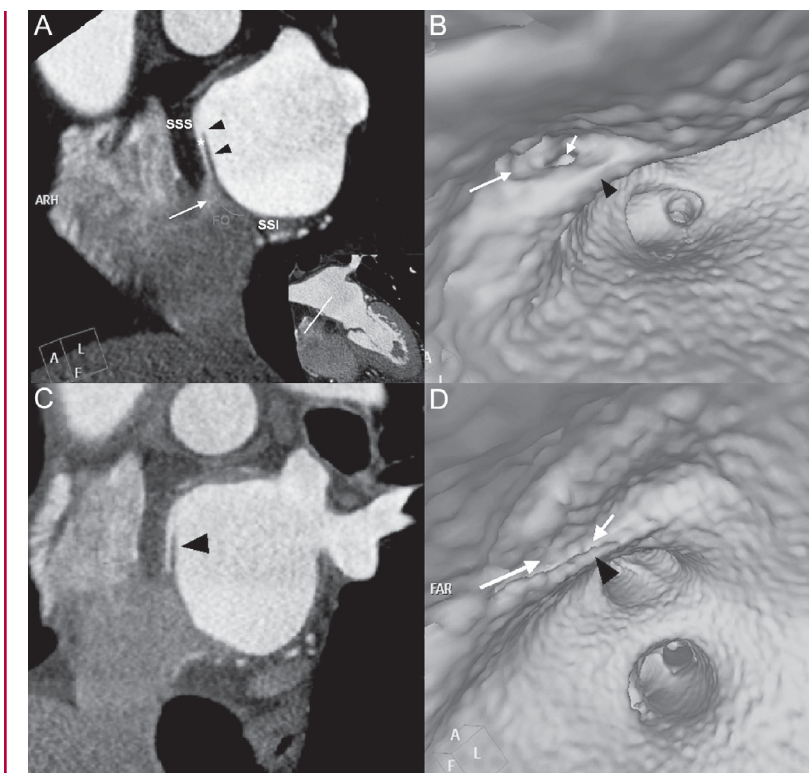
Visualization of Patent Foramen Ovale with Multi-Detector Row Computed Tomography

ALEJANDRO DEVIGGIANO^{MTSAC,1,(*)}, PATRICIA CARRASCOSA^{2, 3,(*)}, CARLOS CAPUÑAY^{3,4, (*)}(*)

The foramen ovale (PFO) is the result of the incomplete fusion of the septum primum (SP) with the septum secundum (SS) after birth, when there remains the possibility of ASD. Based on its high spatial resolution,

multi-detector row computed tomography provides a detailed assessment of the anatomic components of the foramen ovale.

A. Short axis image at the level of the valve of the PFO flap that shows how the SP flap (arrowheads) and the upper portion of SS (SSS) constitutes the tunnel (asterisk) through which occurs the left-right shunt (white arrow). FO: fossa ovalis (curved line) SSI: lower portion of the SS. **B.** 3D virtual endoscopic view of the left atrial face of the interatrial septum that clearly demarcates the free SP margin (arrowhead), the inlet (long arrow) and outlet (short arrow) into the right atrium. **C.** Short axis image at the level of the valve of the interatrial septum (arrowhead), without evidence of left-right shunt. **D.** 3D virtual endoscopic view of the left atrial face of interatrial septum showing the free SP margin (arrowhead) and inlet (long arrow), with the fusion of both septums at level of outlet to the right atrium (short arrow).



(*) Department of Non-Invasive Cardiovascular Studies, Diagnóstico Maipú.

¹ Miembro Adherente de la Sociedad Argentina de Cardiología

² Full Member of Sociedad Argentina de Radiología;

³ Miembro Adscripto de la Sociedad Argentina de Cardiología

⁴ Member of Sociedad Argentina de Radiología

Address for reprints: Alejandro Deviggiano. Av. Maipú 1668, (B1602ABQ) Vicente López, Buenos Aires, Argentina.

E-mail: investigacion@diagnosticomaipu.com.ar