Left atrial flutter after implantation of atrial septal occluder

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A 30-year-old man was referred for catheter ablation of a symptomatic atrial flutter 1 year after a secundum atrial septal defect (ASD) closure with an Amplatzer septal Occluder (ASO 26 mm, St Jude Medical). After trans-septal puncture through the native atrial septum, electroanatomical biatrial mapping showed an early activation coming from the right interatrial septum below the ASO. Local electrogram on the left atrium showed a fractionated low voltage continuous signal, which was consistent with a re-entry between the ASO and the right pulmonary veins. Focal radiofrequency ablation terminated the tachycardia. We described, here, a left atrial re-entry related to percutaneous ASD device closure.

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