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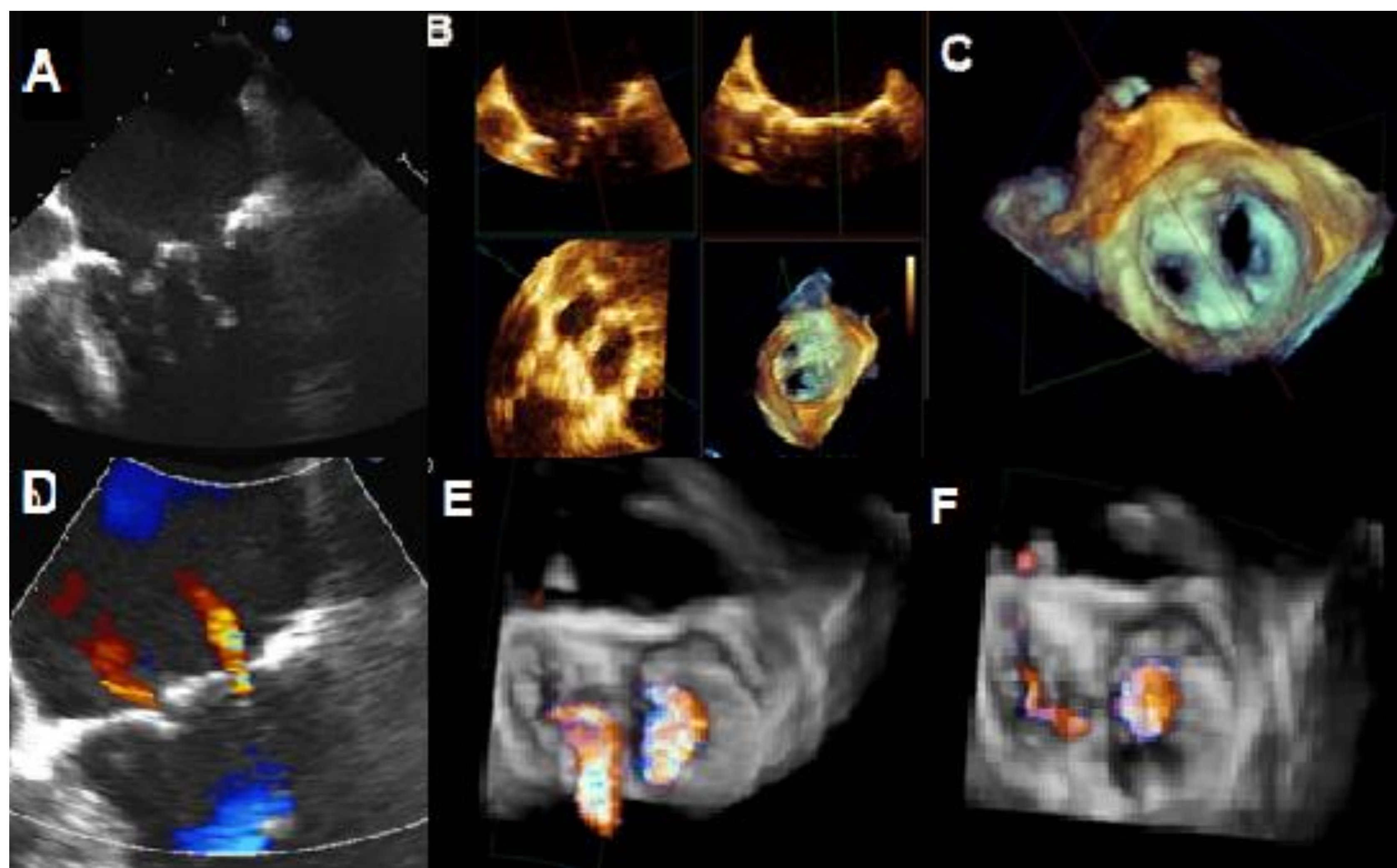
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## Double orifice mitral valve revealed by 3D transoesophageal echocardiography

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Double orifice mitral valve (DOMV) is a rare congenital heart disease characterized by the presence of two left atrio-ventricular valve orifices with two separate subvalvular apparatus.

We describe here the case of a 85 year-old-man, previously operated for aortic stenosis, with isolated congenital double orifice mitral valve, coincidental finding, diagnosed with the combination of 2D and 3D transoesophageal echocardiography. The anomaly was not suspected previously on preoperative and post-operative echocardiograms. Aortic valve replacement had been performed without any other surgical procedure.

The practical message from this case is that DOMV should be suspected even in elderly patients with a double mitral regurgitant jet, that are free of other congenital heart anomalies. Thus, careful imaging of the mitral valve apparatus is necessary.

The second message is that 3D echocardiography allows comprehensive non invasive assessment of the anatomical details and provides incremental information to that obtained by 2D echocardiography.

**Key words** : Double orifice mitral valve- Three-dimensional echocardiography-Double mitral regurgitant jet