



Fusion imaging-guided WATCHMAN implantation after failed surgical LAAC

Prof. Henning Ebelt, MD; Catholic Hospital "St. Johann Nepomuk", Haarbergstr. 72, 99097 Erfurt, Germany

History and Physical:

Male, 77 years; persistent AF; history of mitral valve repair in 2013 with surgical LAA closure, no OAC since; persistent alcohol abuse, recurrent GI bleedings; chronic anemia, contraindication against warfarin / NOAK; CHA₂DS₂VASc: 3; HASBLED: 4; sent for TEE due to recurrent infections to rule out infective endocarditis

Imaging:

TEE shows LAA with incomplete closure of the ostium (gap: 7 x 11 mm) which was confirmed by CT; additionally, a second ostium/ fistula from the LAA to the LA is seen in CT (4 x 2mm)

Indication for Intervention:

incomplete surgical LAAC with persisting risk for stroke and ongoing contraindication regarding (N)OAC

Intervention:

transfemoral LAAC with 24mm WATCHMAN guided by fusion imaging (Siemens TrueFusion)

Learning points:

risk of incomplete surgical closure of the LAA has to be considered, advantage of fusion imaging guided procedures in complex situations