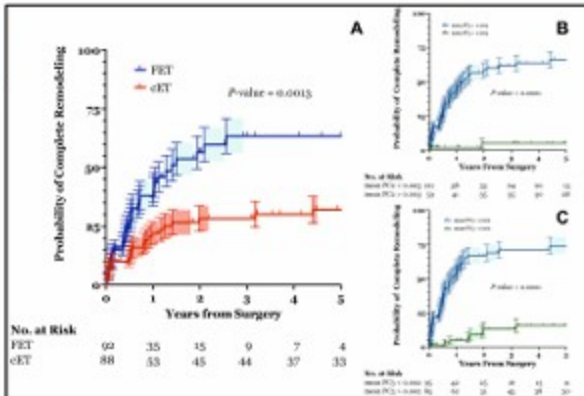


Luminal shape and aortic remodeling after total arch replacement for type A dissection: conventional and frozen elephant trunks

Summary

AR after total arch replacement for acute type A aortic dissection with the FET and cET techniques was assessed. The complete distal AR rate was higher in the FET than cET group. The shape pattern of the residual true lumen was quantified by EFA. PC 2 and 3, which were calculated based on EFA, were found to be significant predictors of postoperative AR.



Cumulative rate of complete AR between the cET and FET groups **(A)**, divided based on the cut-off value of PC2 **(B)** and PC3 **(C)**.

[AR, aortic remodeling; cET, conventional elephant trunk; EFA, elliptic fourier analysis; FET, frozen elephant trunk; PC, principal component]