

## Supplementary material

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TABLE S1 IL-17A levels between the AFR group and NR group, median (interquartile range)

	AFR group	NR group	<i>p</i> value
Before CA (pg/mL)	28.32 (19.23-41.18)	29.01 (17.21-40.56)	0.953
1 day (pg/mL)	21.25 (15.62-27.31)	18.54 (13.21-28.62)	0.095
3 month (pg/mL)	27.25 (19.76-31.26)	15.47 (10.80-20.55)	0.012
6 month (pg/mL)	27.18 (20.21-32.20)	15.02 (10.86-19.54)	0.008
12 month (pg/mL)	28.15 (22.21-21.67)	15.21 (11.72-19.04)	0.009

Abbreviations: IL-17A, interleukin-17A; NR, no recurrence; AFR, atrial fibrillation recurrence; CA, catheter ablation

TABLE S2 LAEF, NT-proBNP, MMP-9, procollagen type, and procollagen type III levels between the AFR group and NR group at the 3-month follow-up, median (interquartile range)

	AFR group	NR group	<i>p</i> value
LAEF(%)	56 (43-69)	64 (54-78)	0.021
NT-proBNP (ng/mL)	760(233-1200)	420 (90-864)	0.002
MMP-9 (ng/mL)	232(132-315)	165(112-210)	0.019
procollagen type III (ng/mL)	5.94 (2.90-7.01)	3.62 (2.01-4.56 )	0.007
procollagen type I (ng/mL)	4.13 (3.01-5.63)	3.17 (2.97-6.19)	0.062

Abbreviations: IL-17A, interleukin-17A; NR, no recurrence; AFR, atrial fibrillation recurrence; NT-proBNP, N-terminal pro-type natriuretic peptide; LAEF, left atrial emptying fraction; MMP-9, matrix metalloproteinase 9