

Comparative Assessment Of Long-term Results Of Prevention Strategies For The New Onset Atrial Fibrillation In Coronary Artery

Bypass Grafting

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STRATEGIES OF POAF PREVENTION

AF PREVENTION STRATEGIES

Antiarrhythmic drugs

Low effectiveness

Surgical ablation

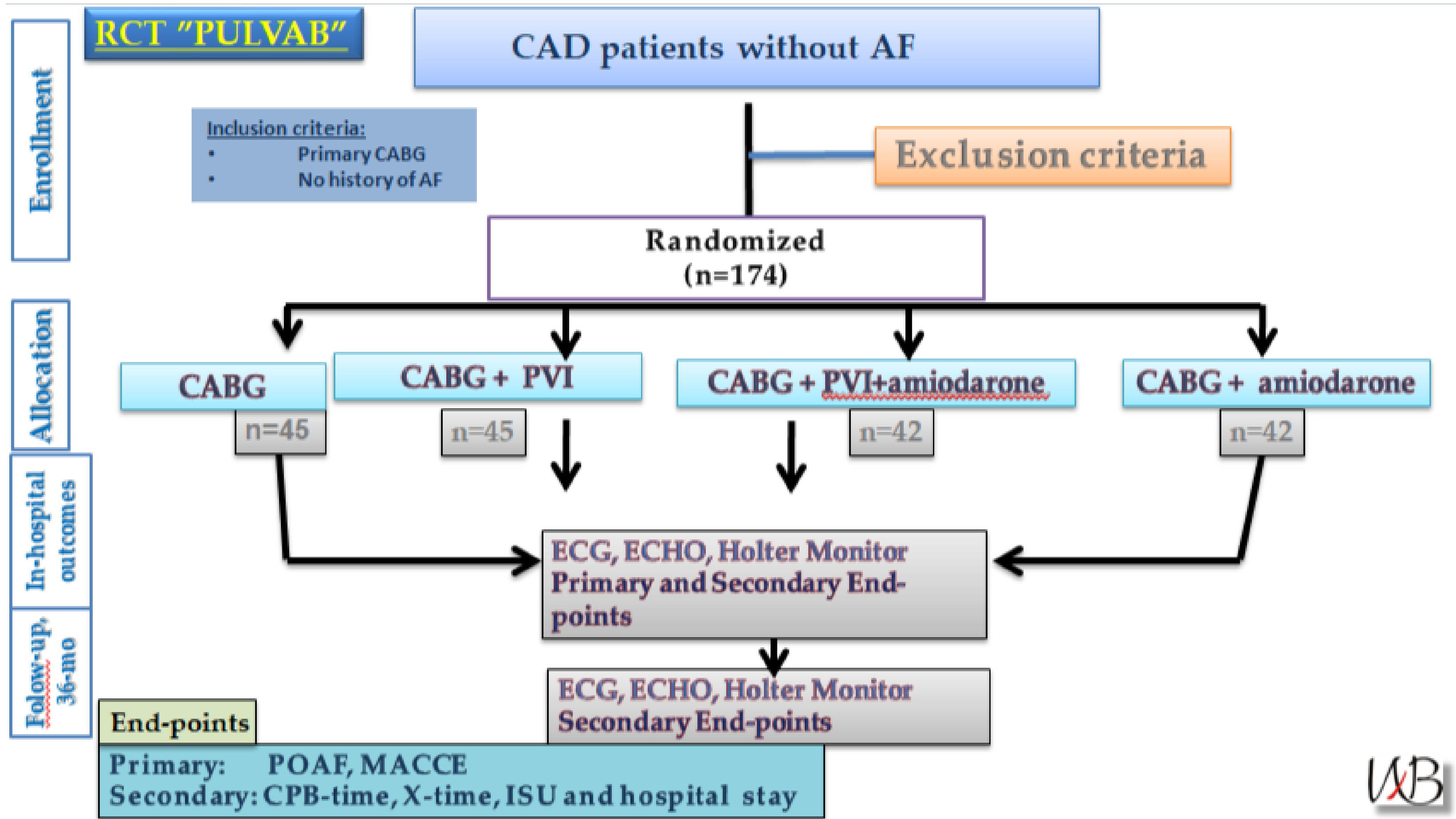
Very few studies, no major RCTs

AIM

To compare different prophylactic strategies for POAF after coronary surgery

PULVAB RCT

ClinicalTrials.gov Identifier: NCT 03857711



BASELINE CHARACTERISTICS:

NO STATISTICAL DIFFERENCE!!!

Inclusion criteria:

- Primary CABG
- No history of AF

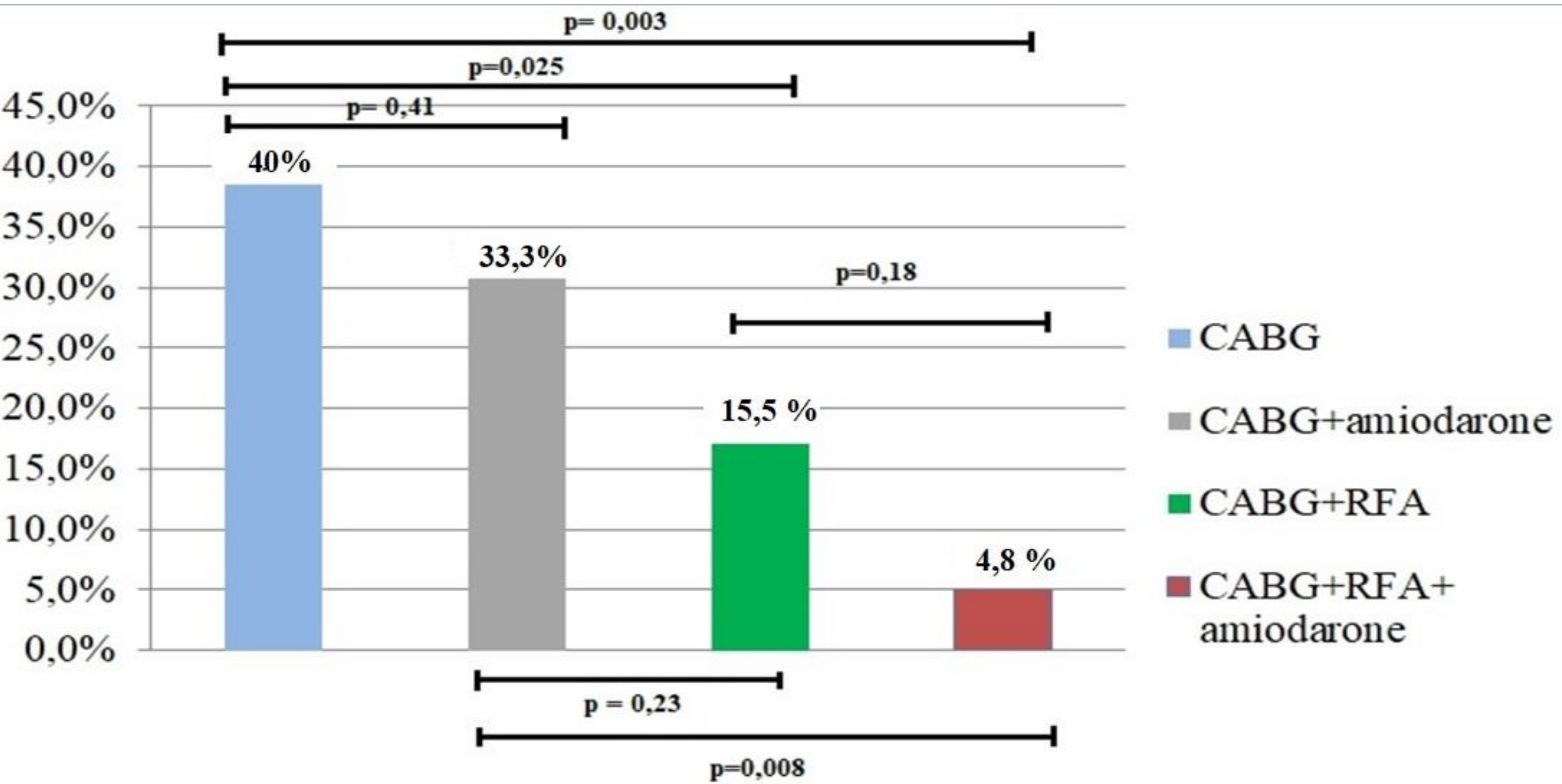
Exclusion criteria:

- Previous operations
- Comorbidities

END-POINTS (postop)

	CABG (n=45)	CABG + RFA (n=45)	CABG + RFA+ amiodarone (n=42)	CABG + amiodarone (n=42)	P-value
Primary endpoints:					
POAF, (n)	18 (40%)	7 (15.5%)	2 (4.8%)	14 (33.3%)	0,005
MACCE, (n)	0 (0%)	0 (0%)	0 (0%)	0 (0%)	1,000
Intraoperative results:					
Oper. time(min),	253 ± 37,7	250,4 ± 42,5	249,2 ± 29,1	248,2 ± 31	0,11
CBP time (min)	88,6 ± 19,2	92,1 ± 18,4	91,8 ± 17,3	88,1 ± 17,3	0,08
Cross-clamping time, min	48,7±8,2	47,9±9,6	43,5±10,5	42,5±10,8	0,07
PVI time, min	-	11,7±3,7	11,4±6,3	-	0,94
Target of revascularization, n	3,17±0,61	3,10±0,51	2,94±0,6	3,10±0,2	0,31
Blood loss, ml	538,23±88,8	534,48±55,2	539,4±55,6	524,7±53,1	0,49

Hospital frequency POAF after surgery

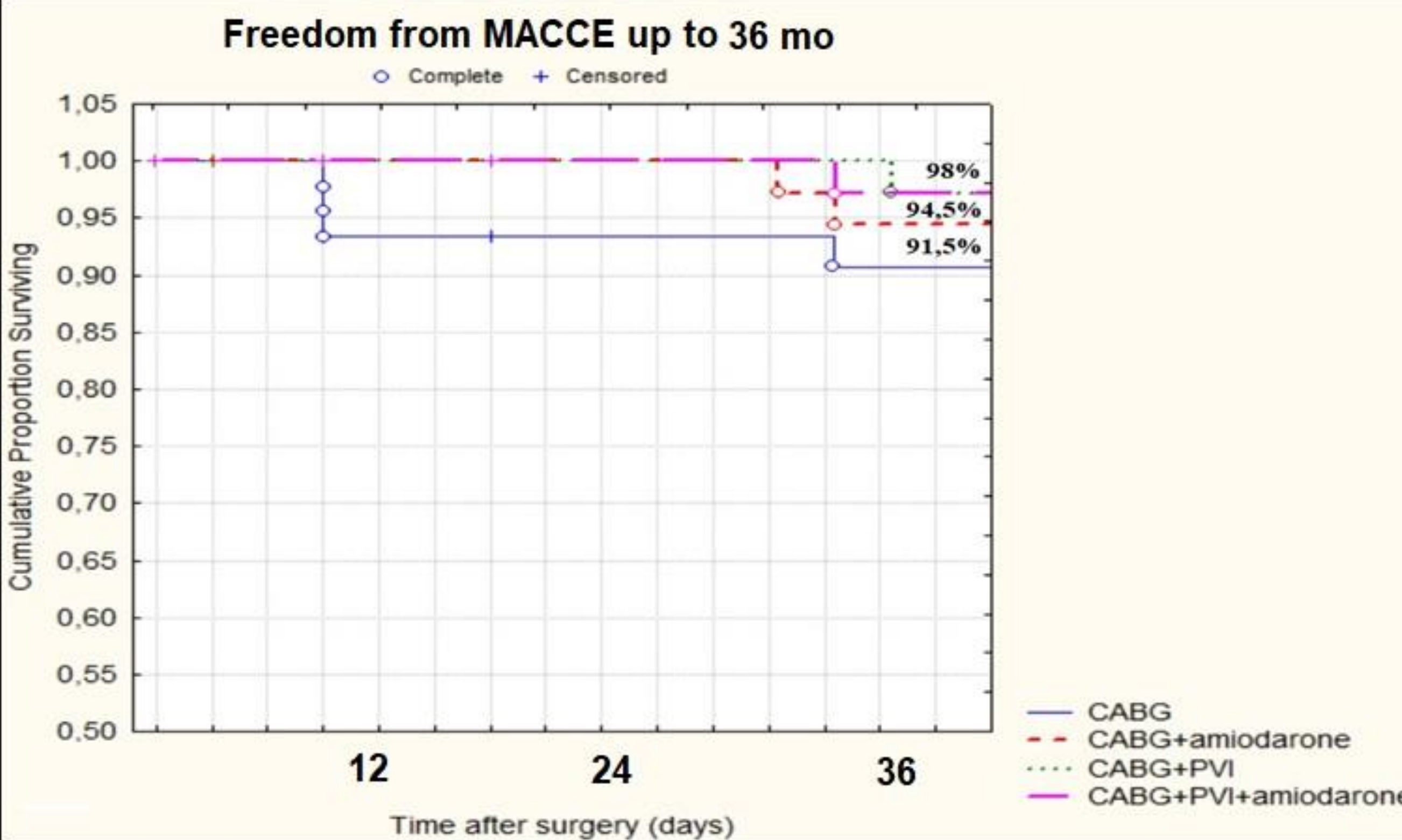


CONCLUSION

- The combination of prophylactic PVI and amiodarone administration reveal significant positive results in the prevention of new-onset postoperative AFib.
- This technique may not be used routinely for every CAD patients, but it demonsrated better results for patients with high AFib risk

RESULTS

Kaplan-Maier curve freedom from MACCE up to 36 mo



Kaplan-Maier curve freedom from AF/AFI/ATT up to 36

