

BACKGROUND

Common pulmonary trunk (CPT) accounts for the most frequent pulmonary vein anatomical variant. Point-by-point radiofrequency ablation is the most frequent technique used for pulmonary vein isolation (PVI) in this setting, and the use of cryoablation (CAb) is still debatable. Few studies have shown the feasibility and safety of CAb in CPT atrial fibrillation (AF) patients, most of them performing anatomical study with cardiac CT angiography (CTA) prior to ablation. Purpose: To compare the success rate and safety of CAb in patients with or without CPT, submitted to AF ablation.

Methods	
<image/> <image/> <image/> <image/> <image/> <image/> <image/> <image/> <image/>	Single-center retrospective stude AF patients, refractory to antiarrhythmics CAb Ablation Left atrium angiography >> CAb CPT vs no CPT
	PRIMARY ENDPOINT Absence of AF (dura
Mor	nitoring with a 7-day event loop recorded at 3 12months
χ2 test and characteristic	ANALYSIS (α=0.05): Mann-Whitney analysis, accordingly, to asses s. er survival curves to assess primary endpoint

Efficacy and safety of Balloon Cryoablation in patients with Common Pulmonary Trunk Variant

Rita Ribeiro Carvalho¹; Rodrigues, Tiago²; Rocha, Rita³; Brito, Joana²; António, Pedro Silvério²; Silva, Gustavo Lima²; Carpinteiro, Luís²; Cortez-Dias, Nuno²; Pinto, Fausto²; Sousa, João²



 Table 2.
 Procedure variables

Time of procedu Radiation dose, Complications, %

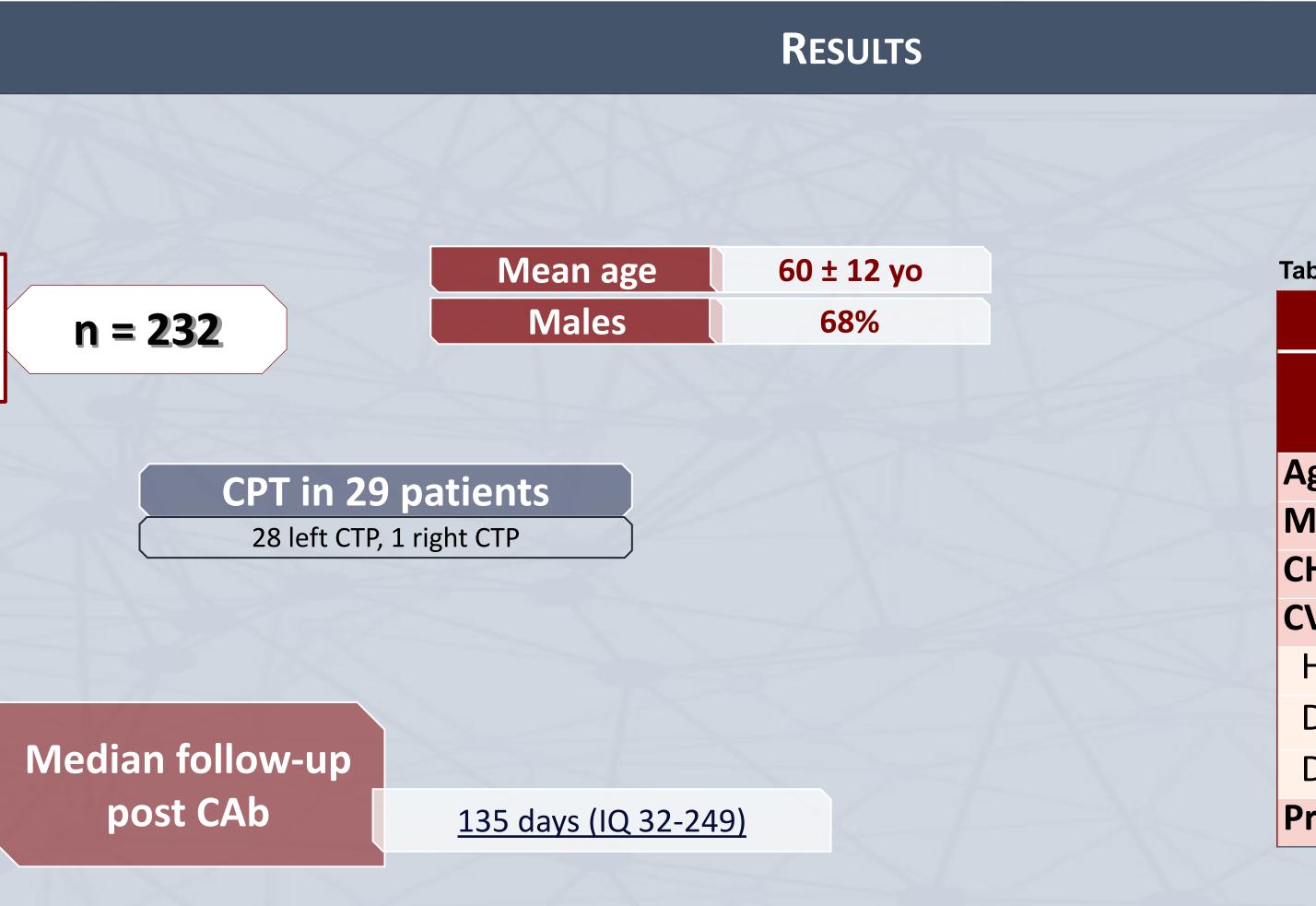
ation >30min)

3, 6 and

ess baseline

In our experience, balloon cryoablation for pulmonar vein isolation in patients with atrial fibrillation is a successful and safe procedure in patients with common pulmonar trunk anatomical variant.

¹ Centro Hospitalar de Leiria^{, 2} Centro Hospitalar Universitário Lisboa Norte^{, 3} Hospital do Espírito Santo de Évora



	СРТ	No CPT	P-value
ure, mean±SD	91.6±23min	100.7±36min	NS
, mean±SD	13.7±6.7 Gy	15.8±8.2 Gy	NS
			NS
% (n)	6.8 (2)	4.9 (10)	182

CONCLUSION

Table 1. Baseline characteristics of the populations studied

POPULATION CHARACTERISTICS						
	CPT (n=29)	No CPT (n=203)	P-value			
ge, mean±SD	62 ± 14	60 ± 12	NS			
1ale, % (n)	69.0 (20)	68.0 (138)	NS			
HA2DS2VASc, mean±SD	3 ± 2	2 ± 2	0.001			
V risk factors						
HTN, % (n)	60.0 (17)	59.1 (120)	NS			
Dyslipidemia, % (n)	34.5 (10)	43.8 (89)	NS			
Diabetes, % (n)	17.2 (5)	16.3 (33)	NS			
revious Stroke, %(n)	24.1 (7)	6.8 (14)	0.007			
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UNIVERSITÁI SBOA NORTE. HOSPITAL DE SANTAMARIA