

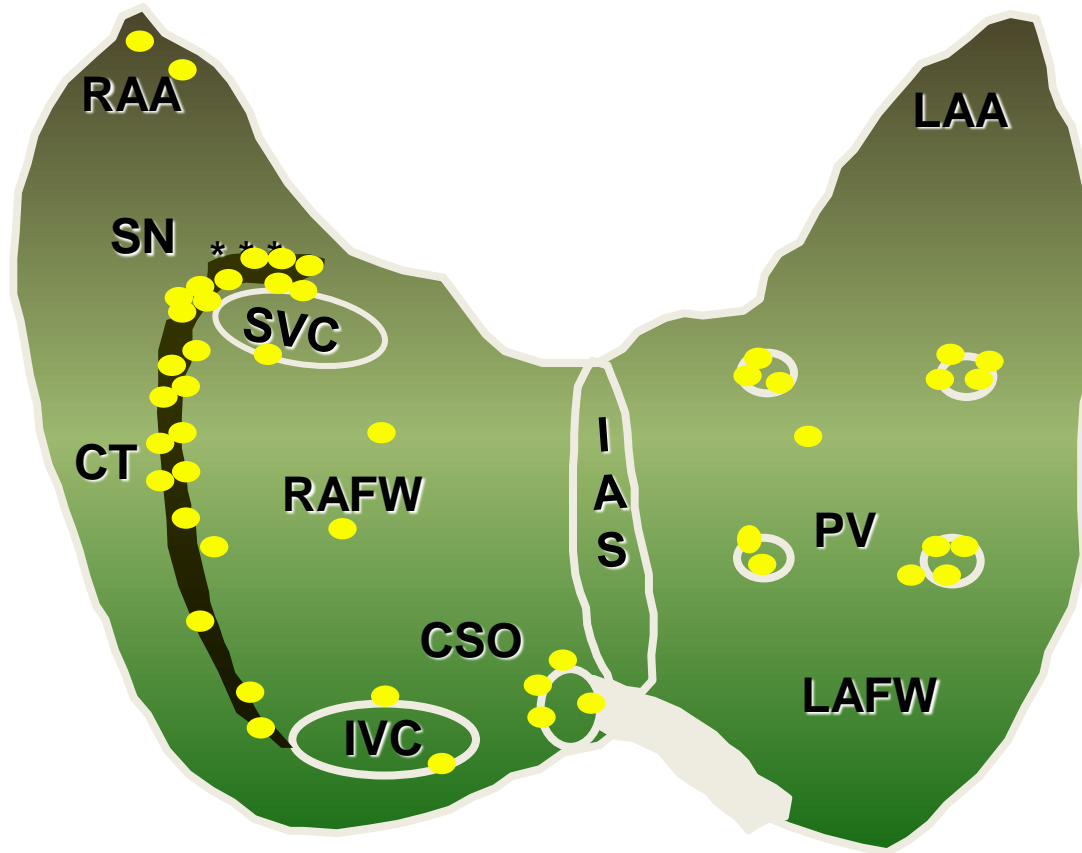
Atrial Tachycardia Ablation from the Non-coronary Aortic Cusp

Robert Pap

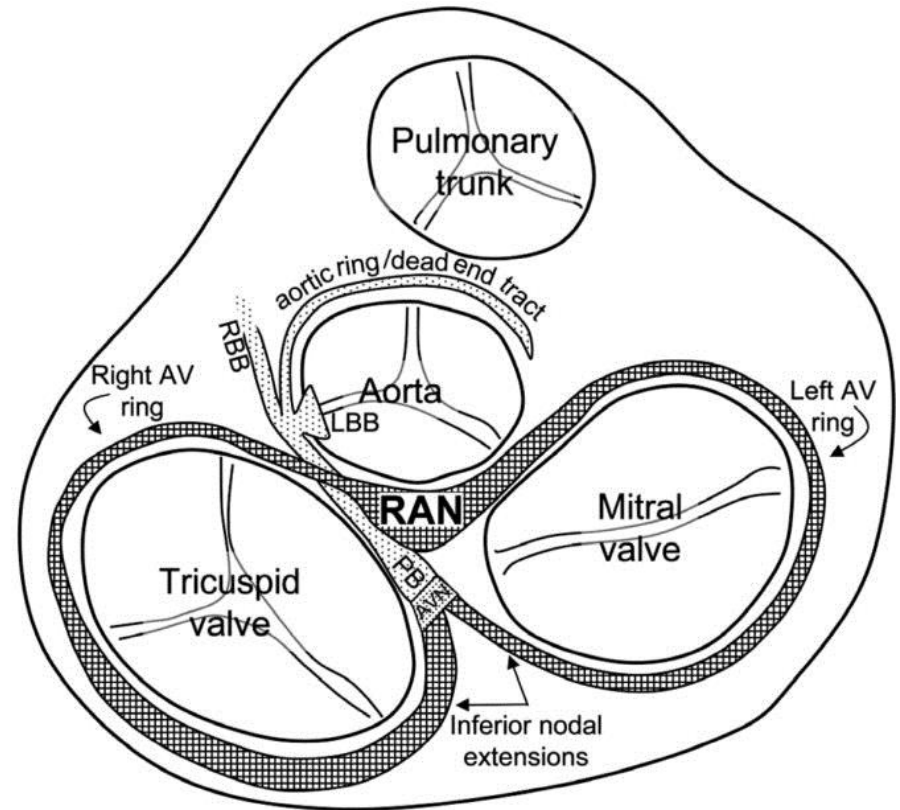
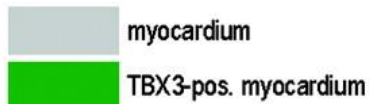
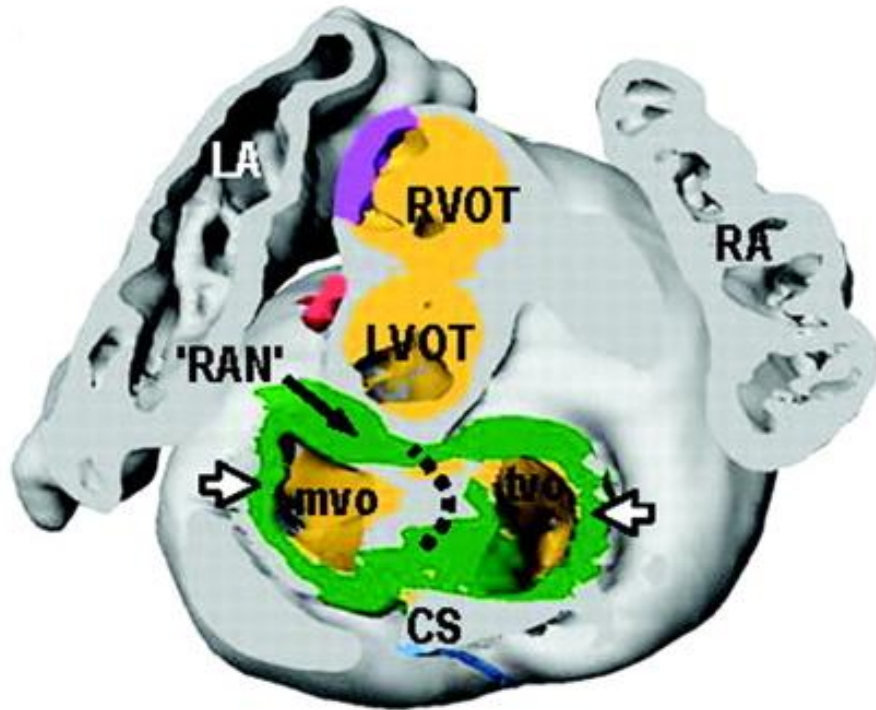
University of Szeged
Hungary

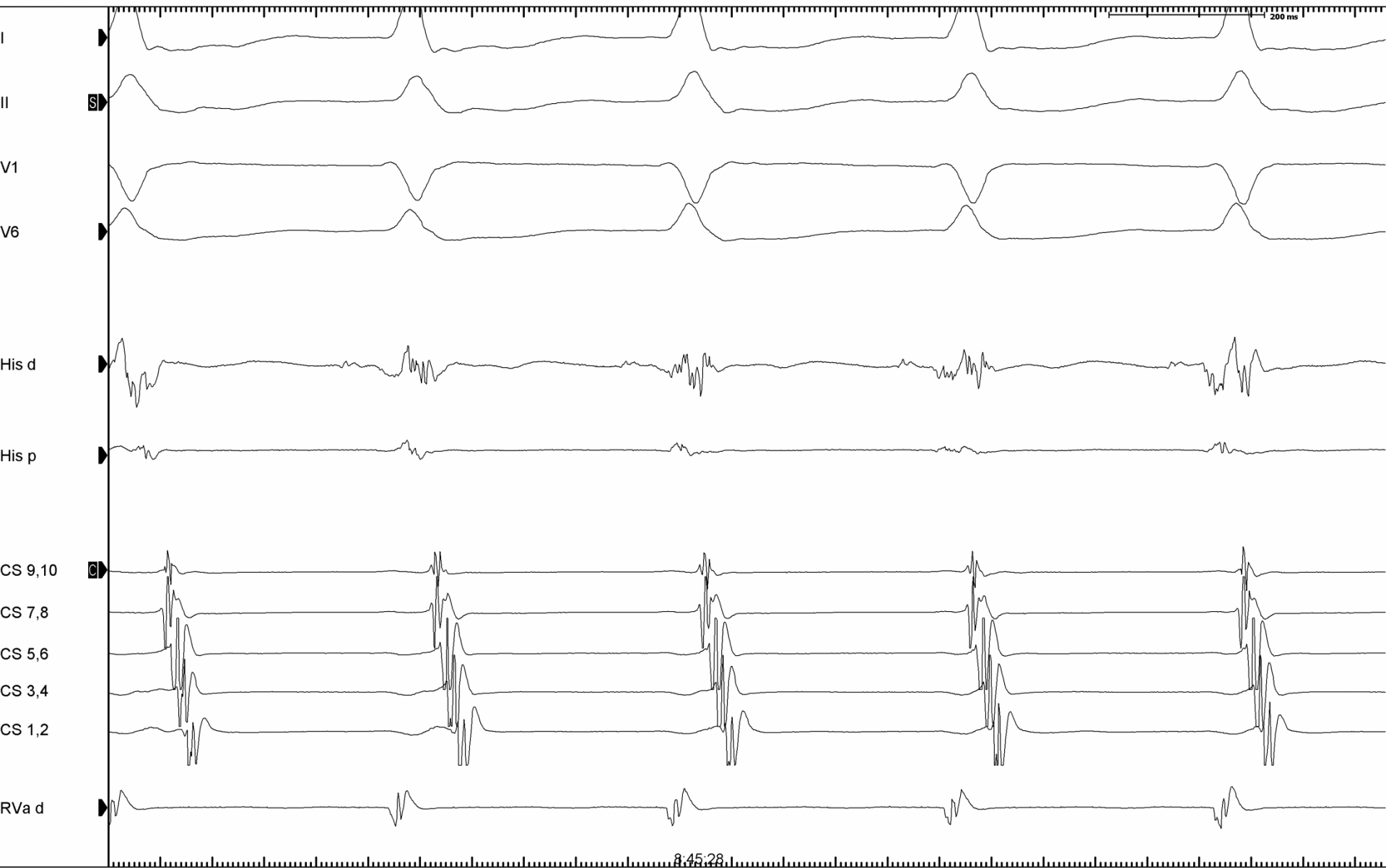


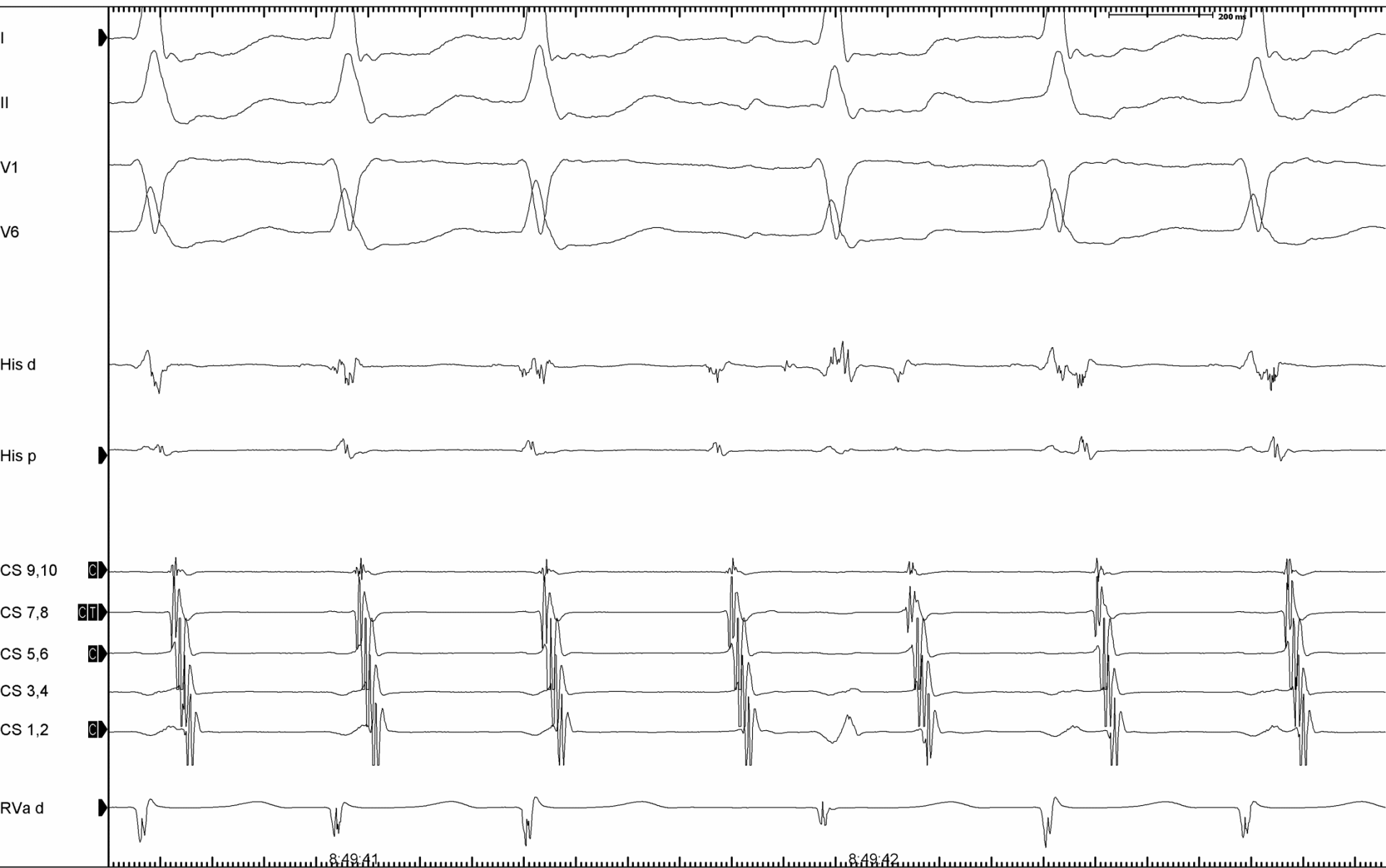
Focal Atrial Tachycardia



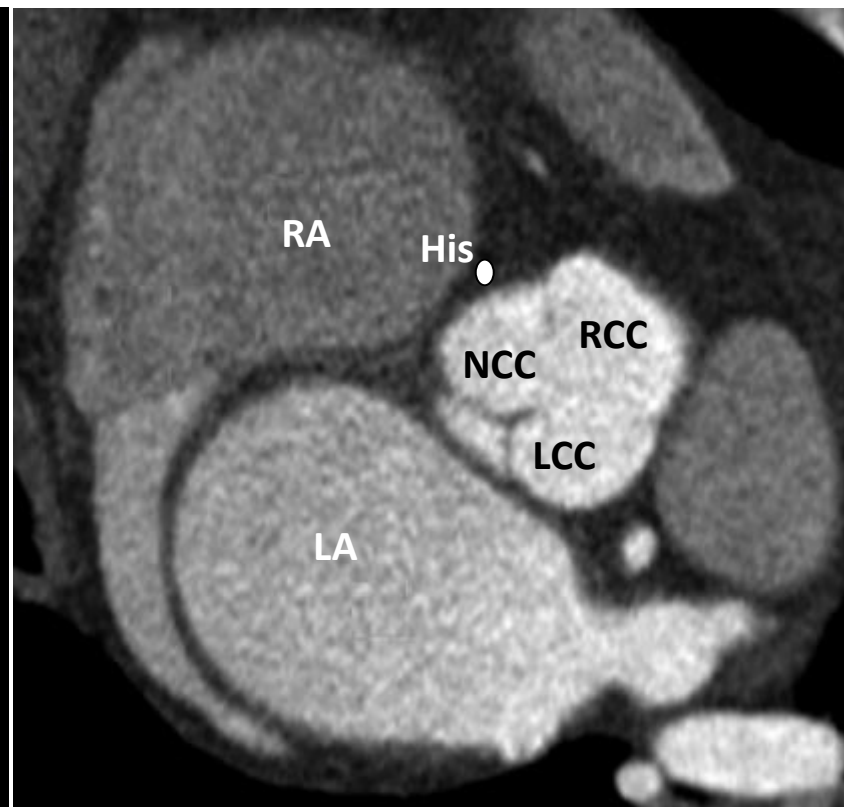
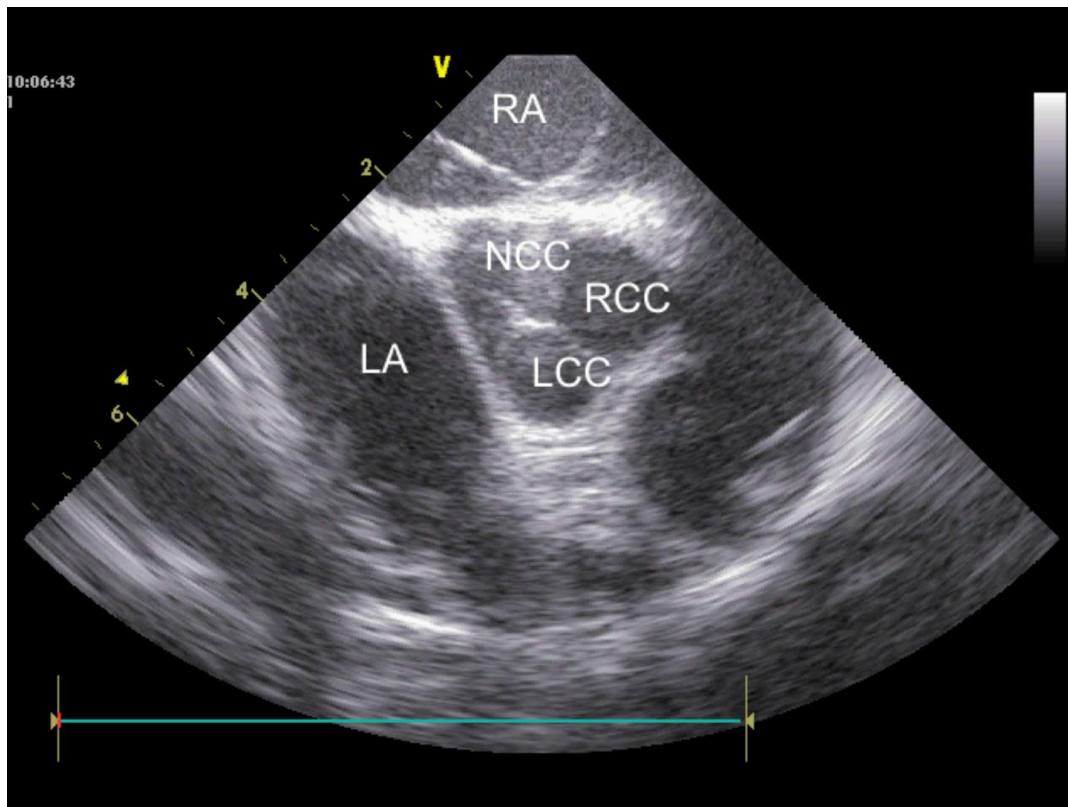
Specialized myocardium around the AV rings



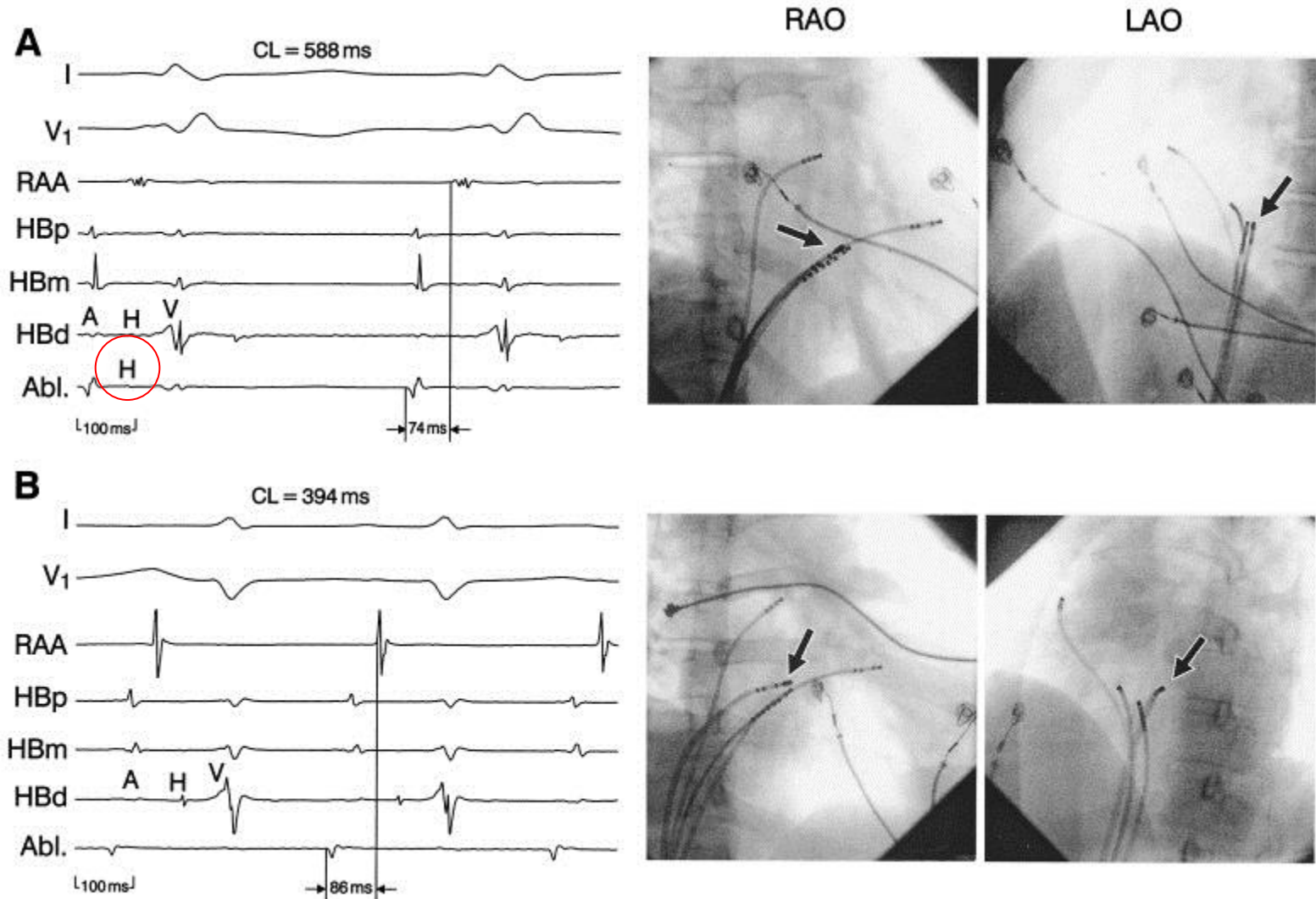




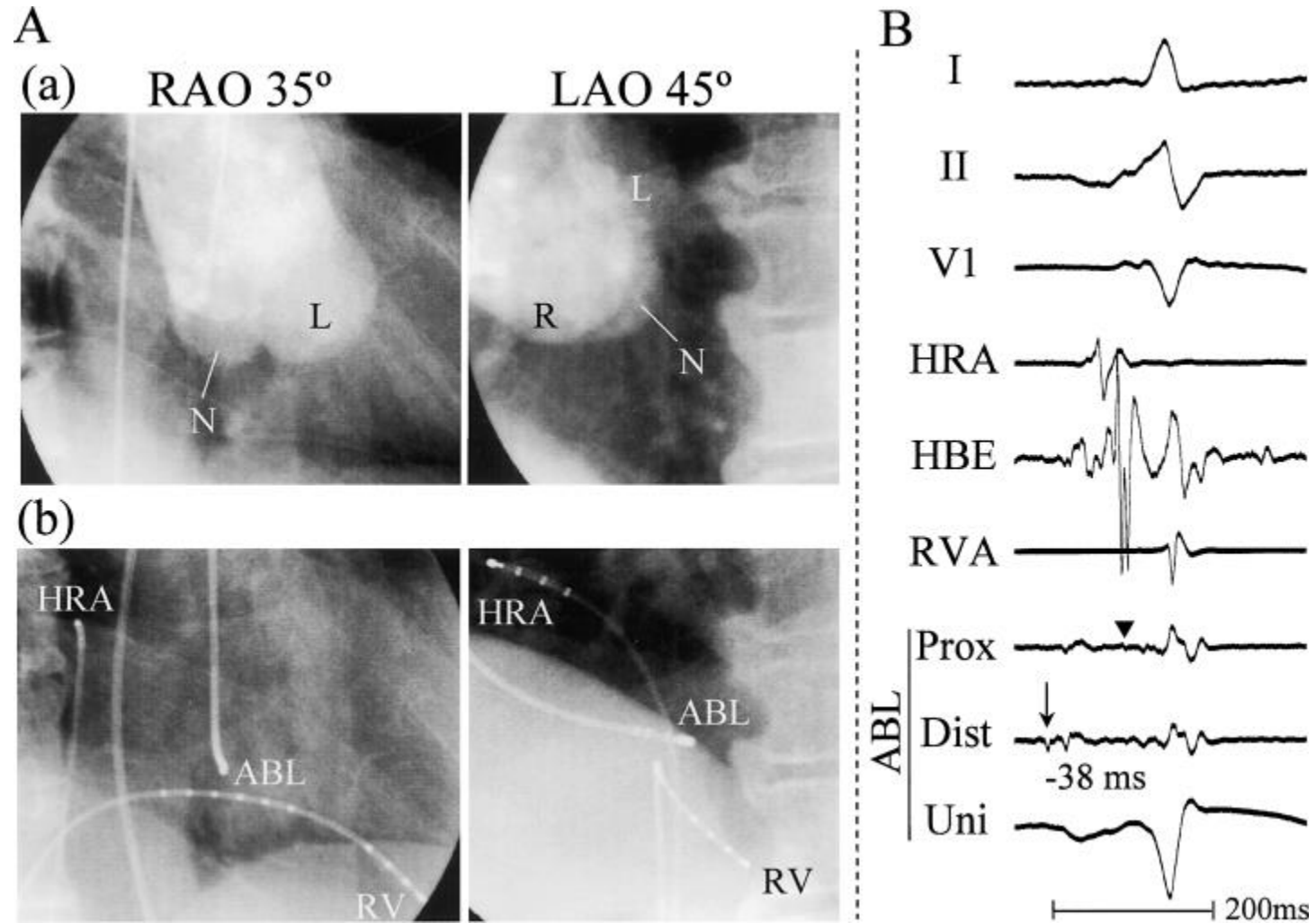
Anatomy



Mapping of peri-AV-nodal AT

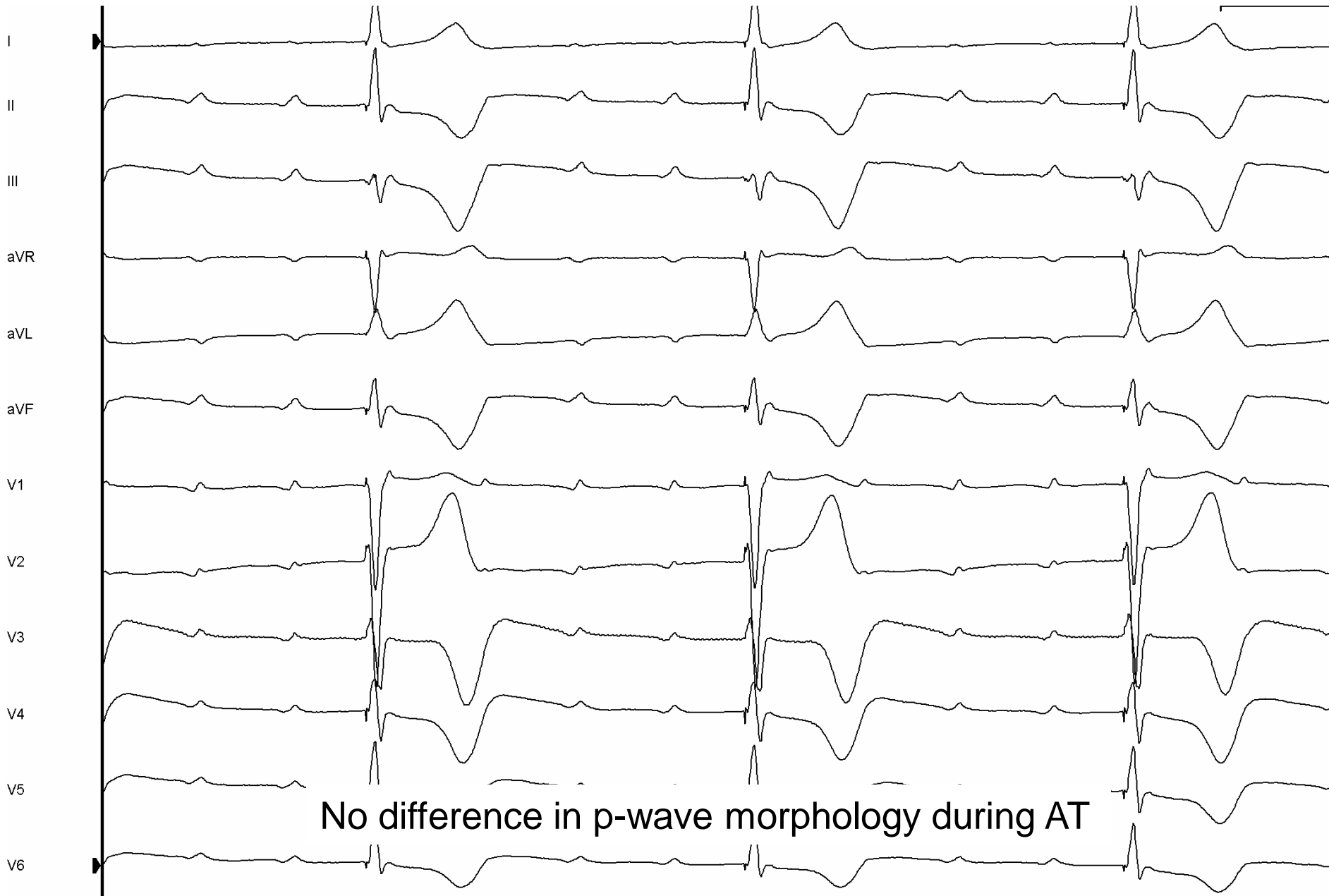


Ablation from the NCC



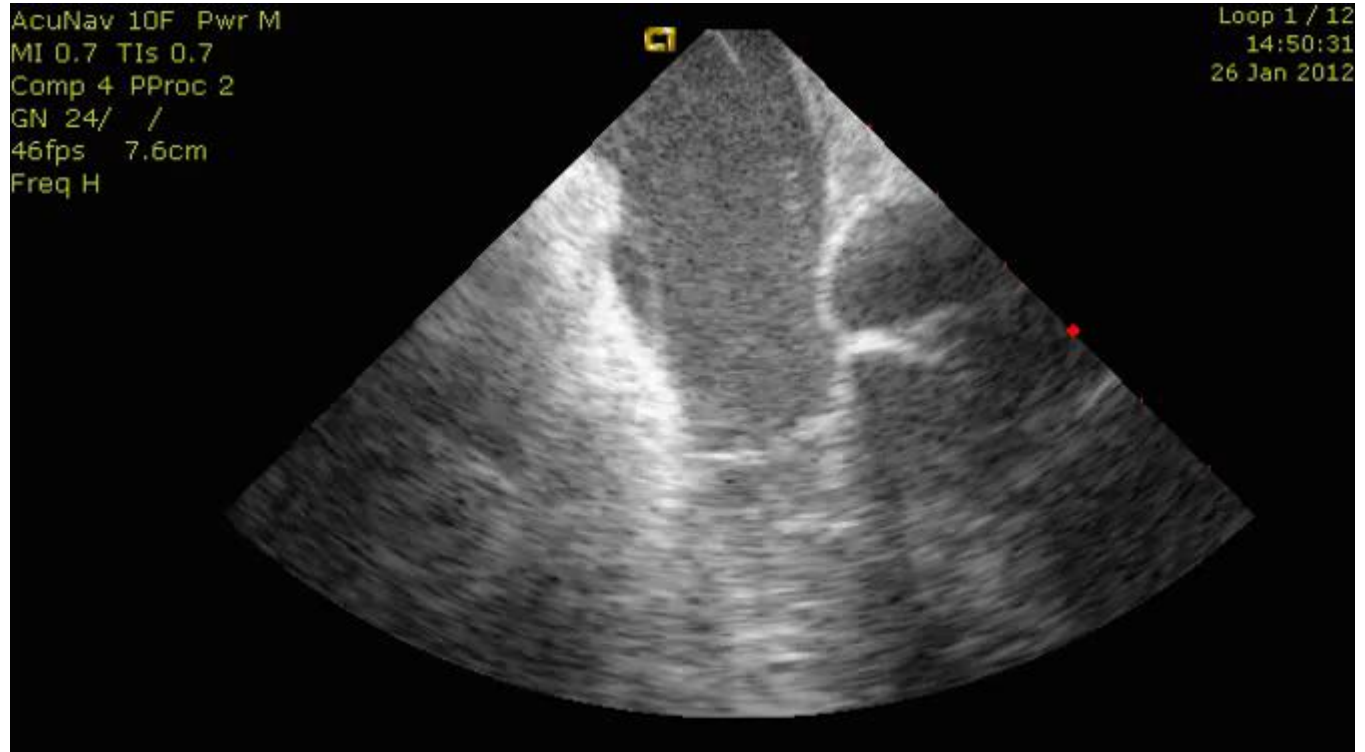
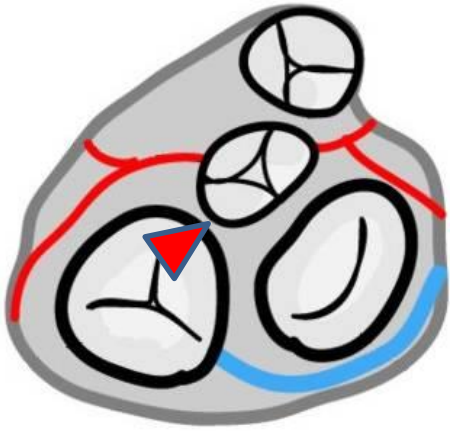
34/148 (23%) patients with AT (2006-2014)

	RA (N=7)	NCC (N=20)	LA (N=7)	<i>p</i>
Age (years, mean ± SD)	51±18	66±9	57±19	0.04
Female (%)	71	80	100	NS
Hypertension (%)	57	82	57	NS
Diabetes (%)	14	21	14	NS
Persistent/incessant (%)	0	10	29	NS
LVEF (% , mean ± SD)	67±8	63±7	59±10	NS
LAd (mm, mean ± SD)	48±13	44±5	37±6	NS

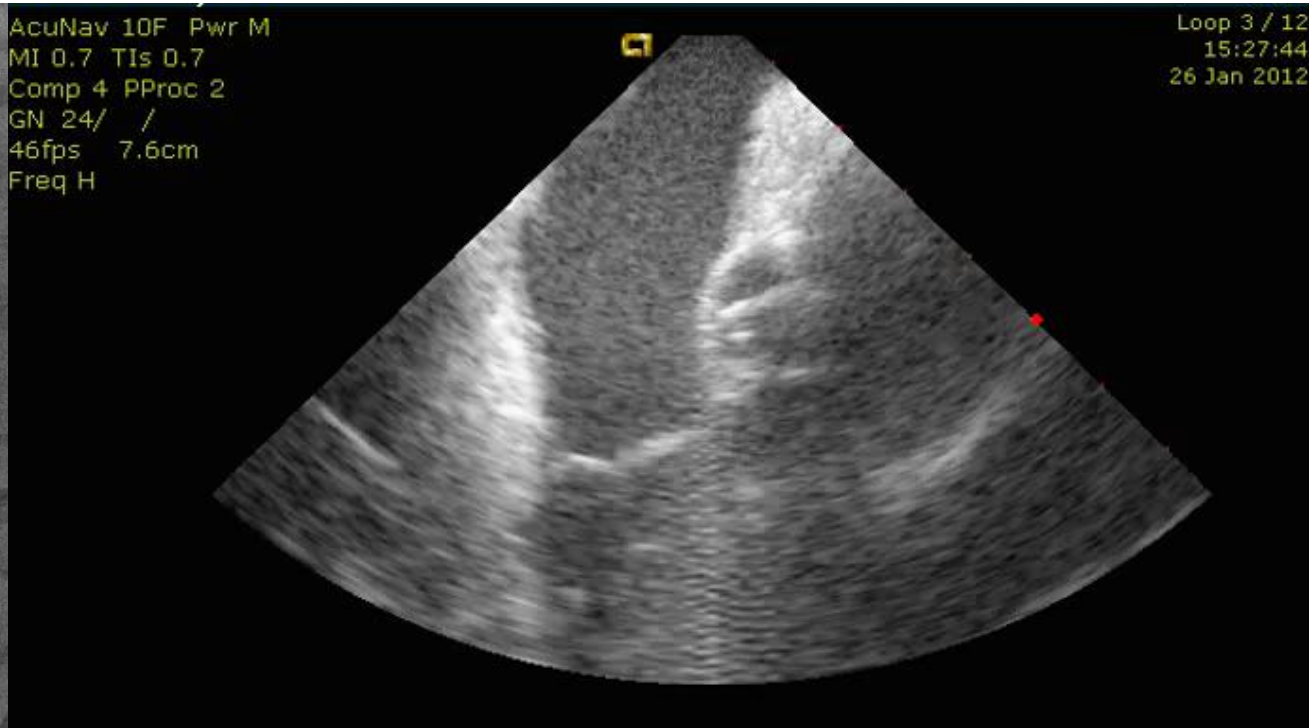
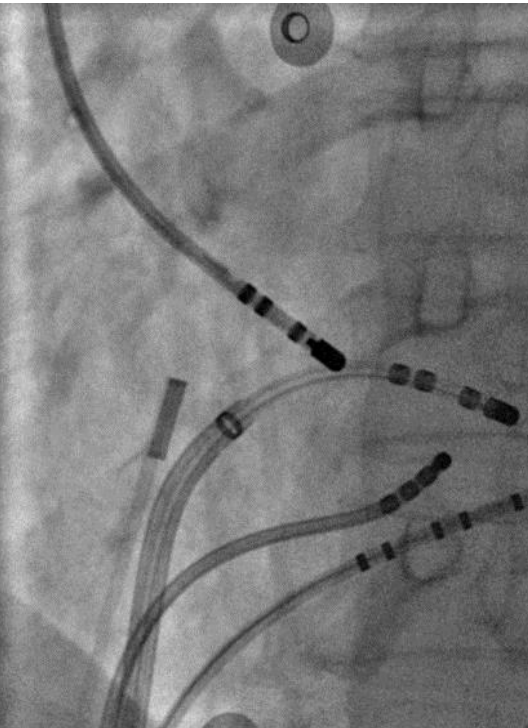
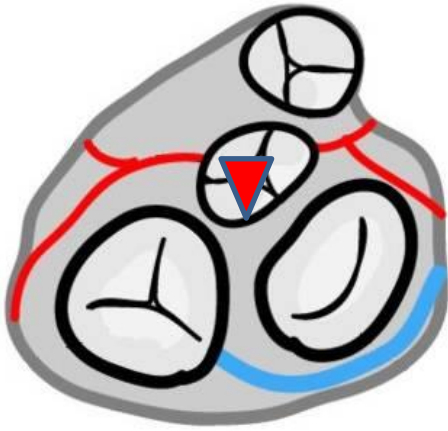


No difference in p-wave morphology during AT

RA ablation (7 pts)



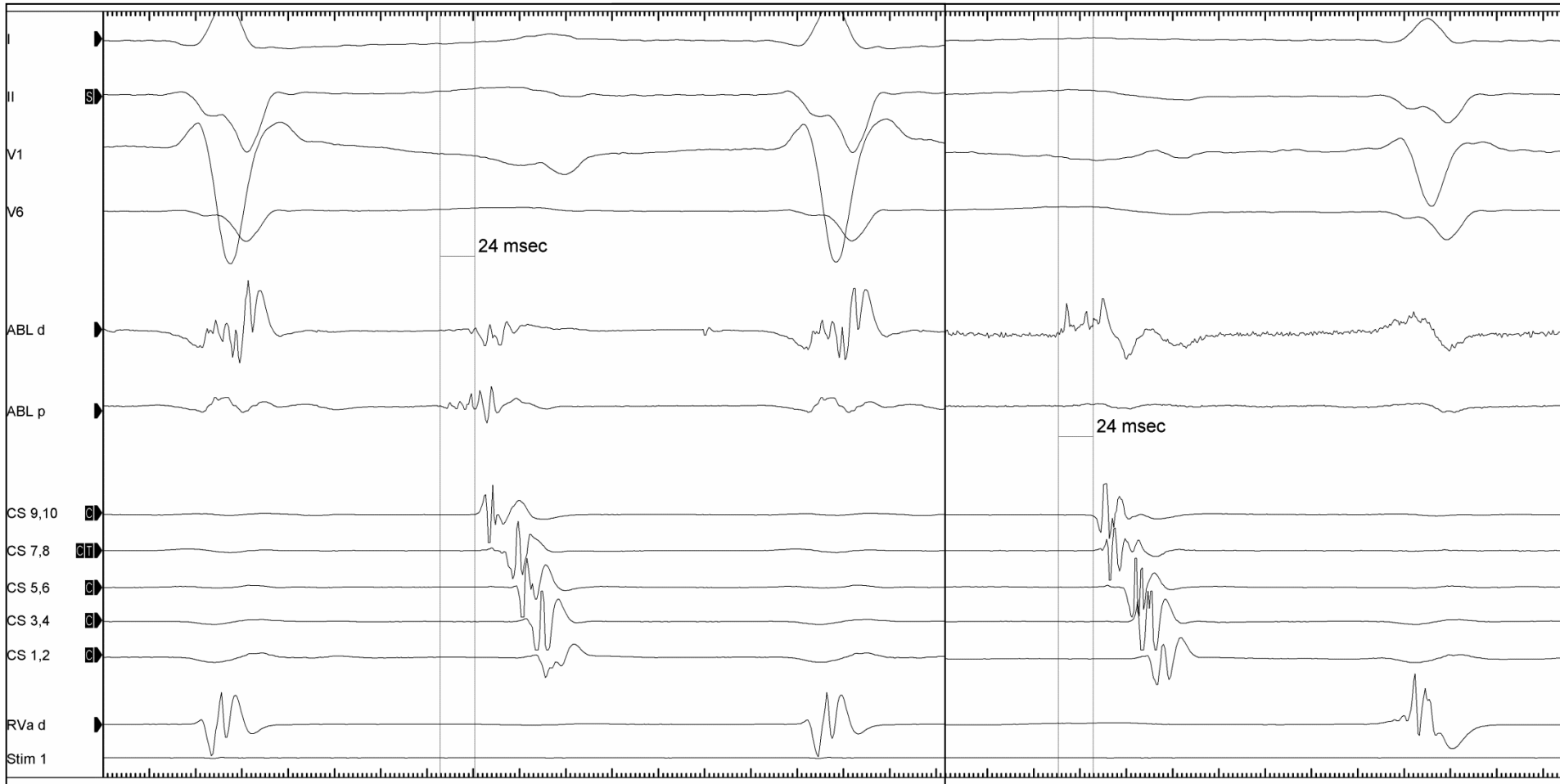
NCC ablation (20 pts)



Aortic root mapping

His region

NCC

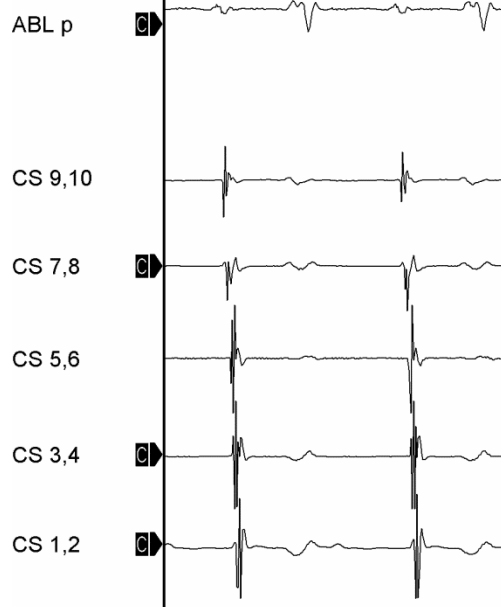
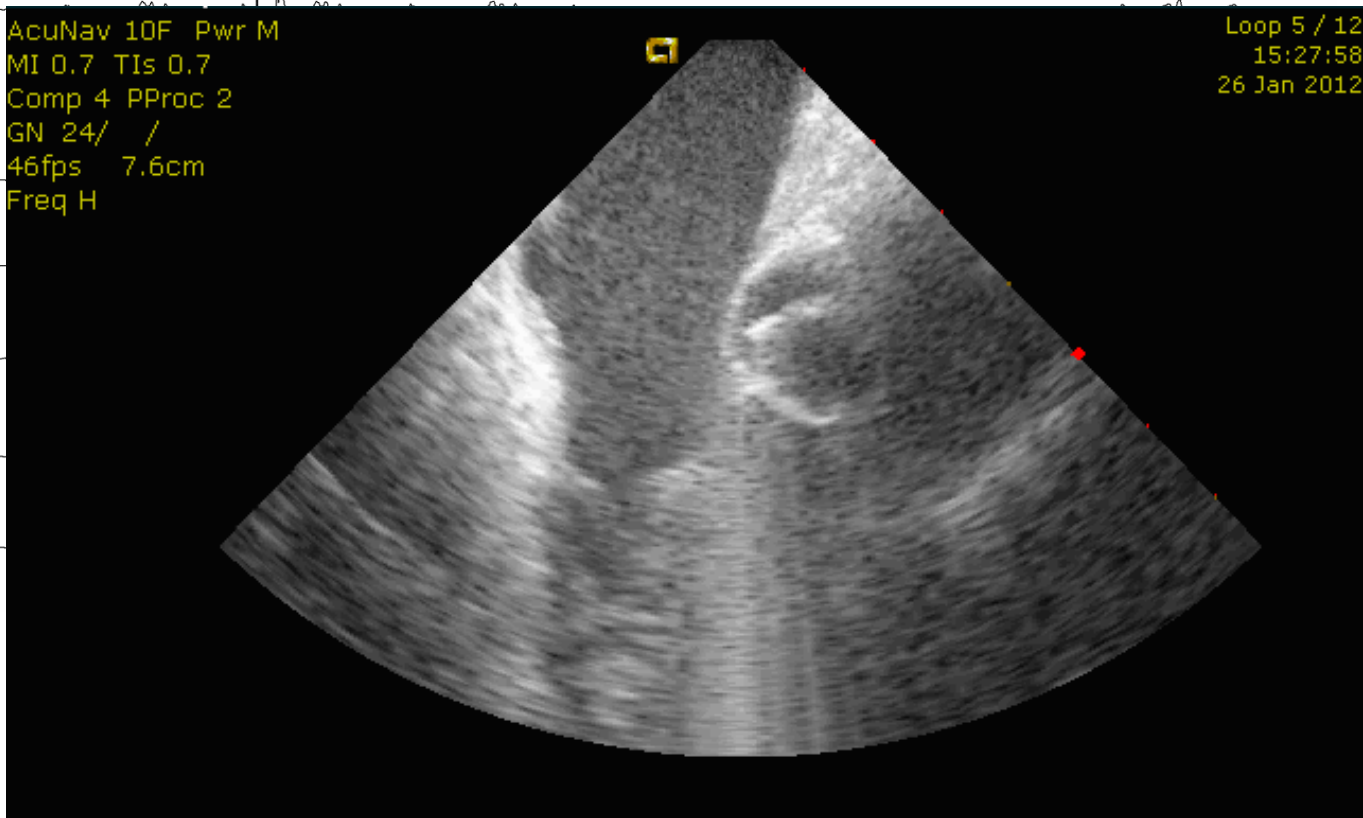
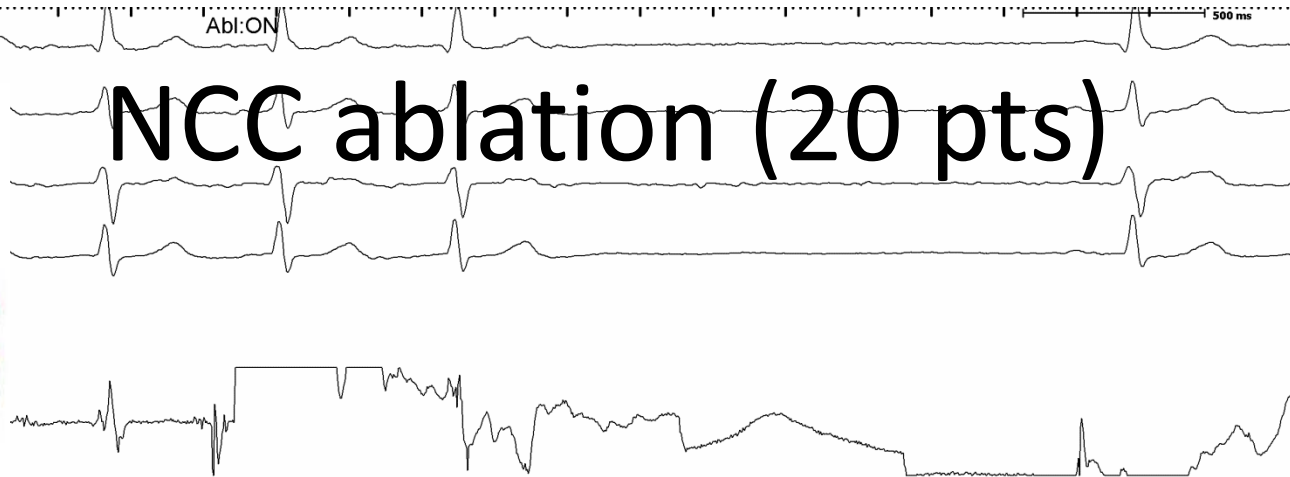
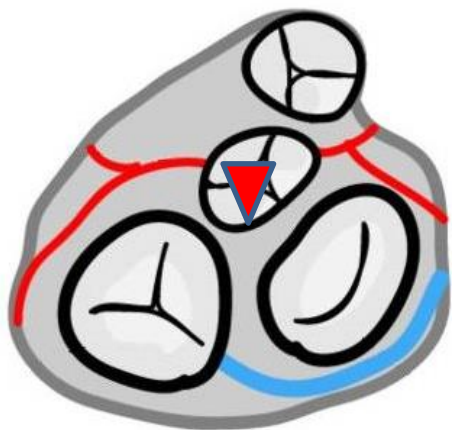


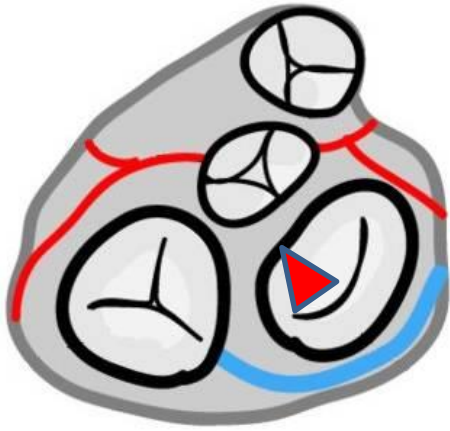
27.1±12.5

p= 0.56

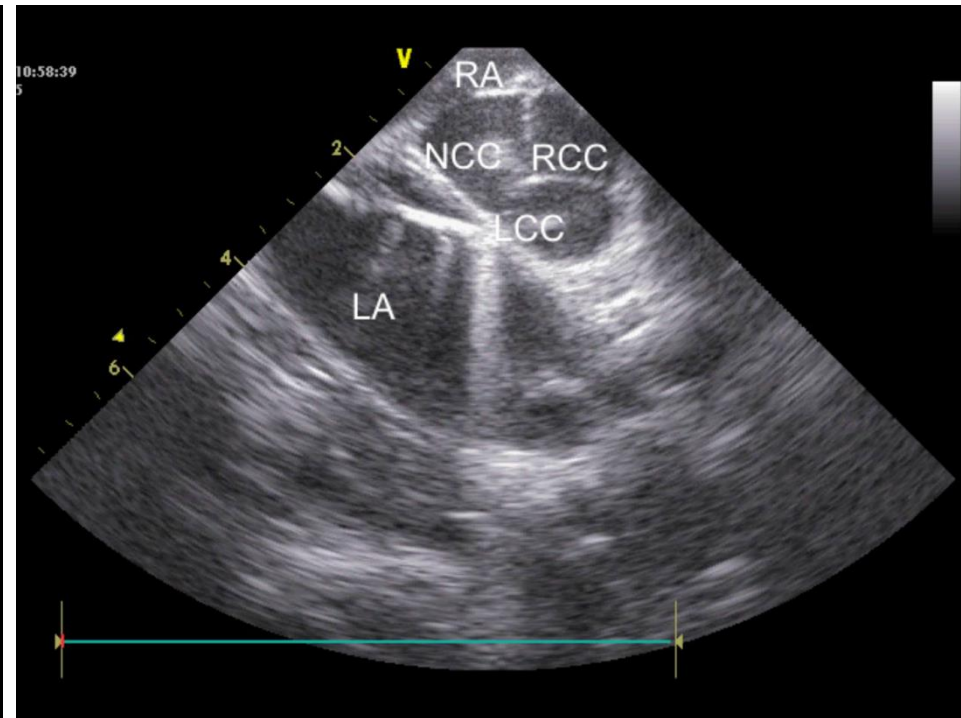
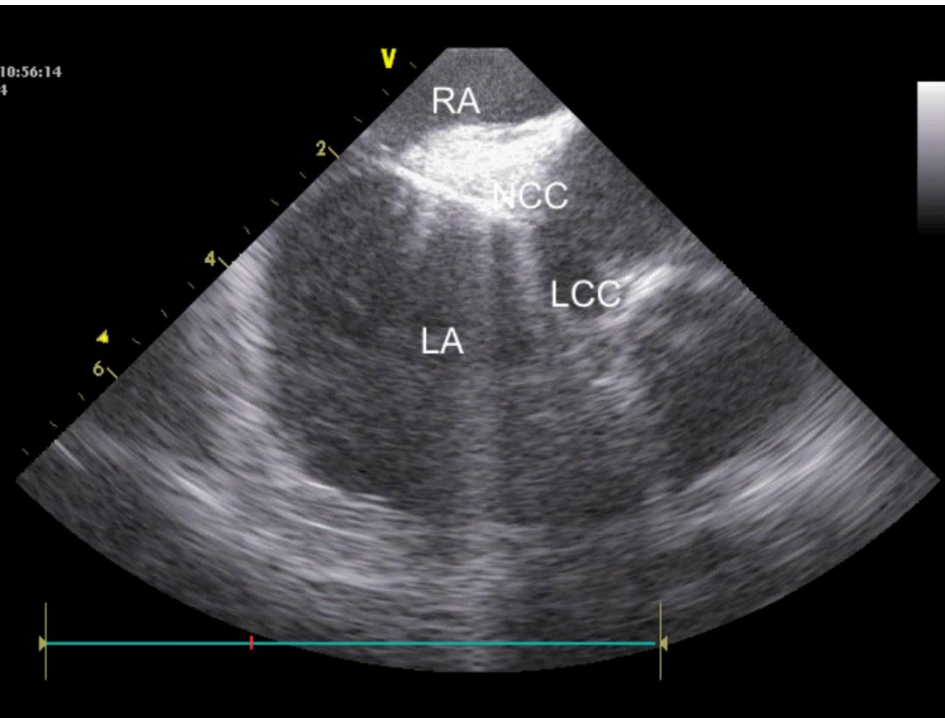
29.9±11.8

NCC ablation (20 pts)

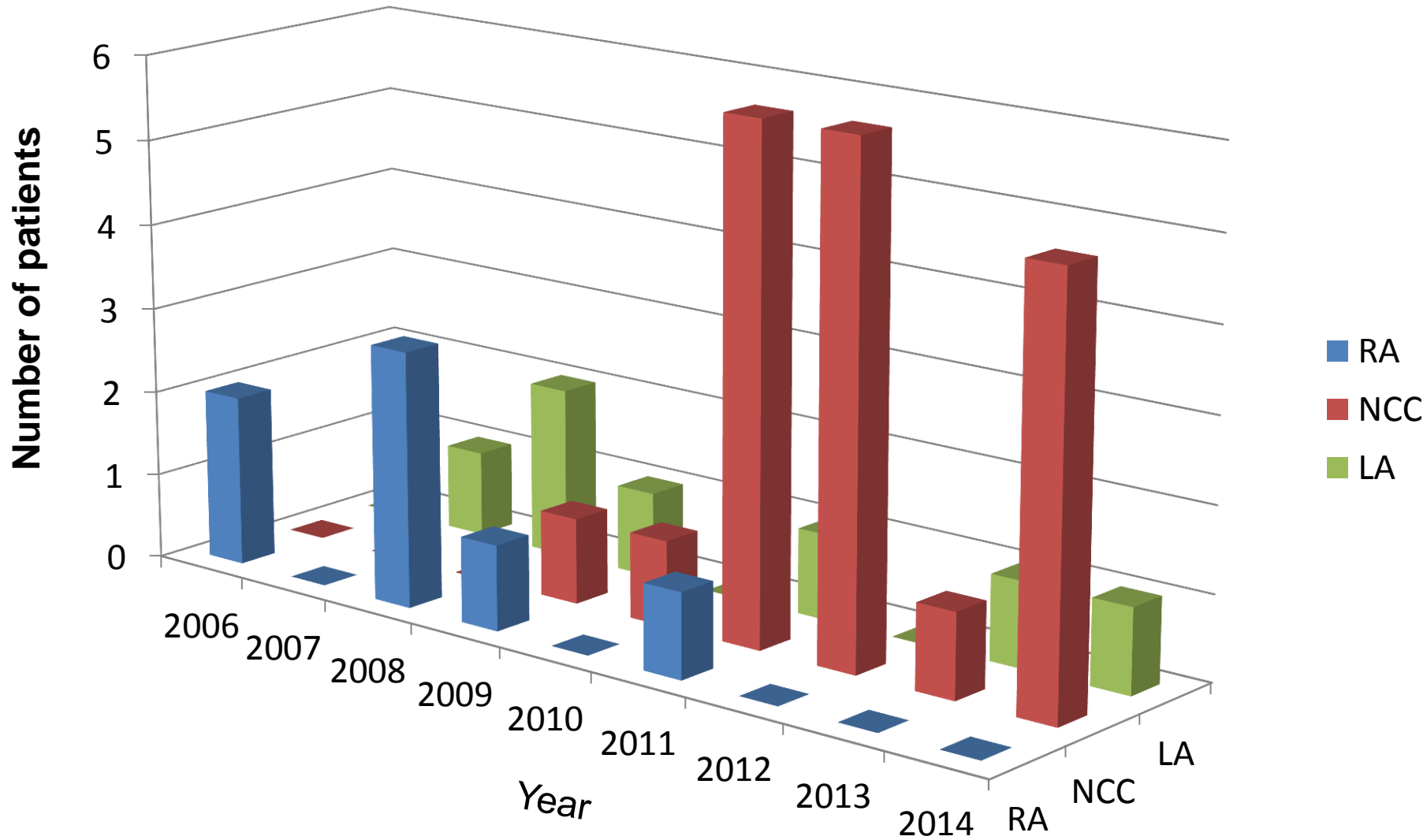




LA (AMC) ablation (7 pts)



Evolution of the approach to peri-AV nodal AT



Conclusions

ACUNav IUF PWR MI
MI 0.7 TIs 0.7
Comp 4 PProc 2
GN 18/ /
46fps 7.6cm
Freq H

Loop 1 / 4
13:39:16
06 Aug 2010



- The NCC provides the best anatomic vantage point for perinodal AT ablation
- The RA parahisian approach can be avoided
- Intracardiac echocardiography

01/08/2012 13:11:34

1

V

2

4

6

8

NCC

Thank you for your attention!

