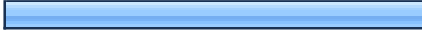




EP WIRE - Atrial Fibrillation Ablation Techniques SurveyMonkey and Strategies

1. Is your institution :

		Response Percent	Response Count
A University hospital ?		67.4%	31
A private Hospital ?		17.4%	8
Other type of Hospital ?		15.2%	7
answered question			46
skipped question			1






2. Please estimate in terms of pattern of AF (paroxysmal vs persistent) your distribution of AF ablation patients (the sum should be approximately 100%)

	<10%	10-30%	30-50%	50-70%	>70%	Response Count
Paroxysmal AF	2.5% (1)	5.0% (2)	10.0% (4)	45.0% (18)	37.5% (15)	40
Persistent AF (duration of persistence < 1 year)	5.3% (2)	73.7% (28)	15.8% (6)	5.3% (2)	0.0% (0)	38
Long standing persistent AF (duration of persistence > 1 year)	91.7% (33)	5.6% (2)	0.0% (0)	2.8% (1)	0.0% (0)	36
answered question						40
skipped question						7





3. Please indicate your EP ablation and imaging equipment used for AF ablation procedures (in addition to standard cath lab fluoroscopy):

	<10%	10-30%	30-50%	50-70%	>70%	Response Count
a) 3 D Carto or Navx System	5.3% (2)	10.5% (4)	10.5% (4)	10.5% (4)	63.2% (24)	38
b) Rotational Angiography	92.3% (12)	0.0% (0)	7.7% (1)	0.0% (0)	0.0% (0)	13
c) ICE	61.9% (13)	19.0% (4)	0.0% (0)	0.0% (0)	19.0% (4)	21
d) HansenRobotoc System	90.0% (9)	10.0% (1)	0.0% (0)	0.0% (0)	0.0% (0)	10
e) Magnetic Navigation System	81.8% (9)	0.0% (0)	0.0% (0)	9.1% (1)	9.1% (1)	11
f) Conv. Radiofrequency generator	10.7% (3)	10.7% (3)	10.7% (3)	14.3% (4)	53.6% (15)	28
g) Cryo-Ablation-System	33.3% (8)	25.0% (6)	16.7% (4)	4.2% (1)	20.8% (5)	24
h) Laser-Ablation-System	85.7% (12)	14.3% (2)	0.0% (0)	0.0% (0)	0.0% (0)	14
i) Other	75.0% (15)	10.0% (2)	10.0% (2)	5.0% (1)	0.0% (0)	20
answered question						40
skipped question						7





4. Do you perform oesophageal temperature monitoring ?

		Response Percent	Response Count
Yes, for all AF ablation		7.7%	3
Yes, for RF cases only		5.1%	2
Yes, only in persistent AF ablation		0.0%	0
Yes, only in paroxysmal AF ablation		0.0%	0
Yes, only in selected cases (e.g. lines in the posterior wall)		17.9%	7
No, because we only use Cryo Energy		10.3%	4
No, because it is not necessary/not helpful		59.0%	23
answered question			39
skipped question			8

5. Do you perform AF ablation as first line therapy in paroxysmal AF patients? (after pure β -blocking agents, but no other specific antiarrhythmic drugs).

		Response Percent	Response Count
No		53.8%	21
Yes in 0-10%		23.1%	9
Yes in 10-20%		17.9%	7
Yes in 20-50%		5.1%	2
Yes in >50%		0.0%	0
answered question			39
skipped question			8






6. What is your preferred ablation strategy in paroxysmal AF:

		Response Percent	Response Count
PV-Isolation		82.1%	32
PVI + CFAE-ablation		5.1%	2
PVI + left atrial lines		7.7%	3
PVI + left atrial lines + CFAE-ablation		0.0%	0
CFAE ablation only		0.0%	0
Other		5.1%	2
answered question			39
skipped question			8






7. Which catheter design do you use for paroxysmal AF ablation

	<10%	10-30%	30-50%	50-70%	>70%	Response Count
Cooled Tip (= irrigated)	2.9% (1)	11.8% (4)	8.8% (3)	14.7% (5)	61.8% (21)	34
Solid Tip (4 mm)	85.7% (6)	14.3% (1)	0.0% (0)	0.0% (0)	0.0% (0)	7
Solid tip (8 mm)	55.6% (5)	11.1% (1)	11.1% (1)	11.1% (1)	11.1% (1)	9
Cryo-Balloon	27.3% (6)	22.7% (5)	13.6% (3)	4.5% (1)	31.8% (7)	22
Laser-Balloon	75.0% (6)	25.0% (2)	0.0% (0)	0.0% (0)	0.0% (0)	8
Circular RF Ablation catheter	64.3% (9)	7.1% (1)	21.4% (3)	7.1% (1)	0.0% (0)	14
Other	100.0% (9)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	9
answered question						38
skipped question						9

8. What is your ablation success (% of patients free from symptomatic AF without antiarrhythmic drugs) after the first ablation procedure for paroxysmal AF within 1 year:

		Response Percent	Response Count
<40%		5.3%	2
40-50%		7.9%	3
50-60%		36.8%	14
60-70%		47.4%	18
>70%		2.6%	1
answered question			38
skipped question			9


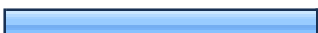

9. 8. What is your ablation success (% of patients free from recurrent AF without antiarrhythmic drugs) after the second ablation procedure for paroxysmal AF:

		Response Percent	Response Count
<40%		2.6%	1
40-50%		2.6%	1
50-60%		7.9%	3
60-70%		26.3%	10
>70%		60.5%	23
answered question			38
skipped question			9





10. What methods do you use to assess recurrence of paroxysmal AF episodes? Check all that apply.

	<10%	10-30%	30-50%	50-70%	>70%	Response Count
Clinical evaluation	2.9% (1)	0.0% (0)	0.0% (0)	5.9% (2)	91.2% (31)	34
Resting ECG	3.0% (1)	3.0% (1)	3.0% (1)	3.0% (1)	87.9% (29)	33
Stress ECG	66.7% (10)	6.7% (1)	20.0% (3)	0.0% (0)	6.7% (1)	15
24h-Holter	0.0% (0)	9.1% (3)	0.0% (0)	12.1% (4)	78.8% (26)	33
7-day-Holter	36.4% (8)	9.1% (2)	27.3% (6)	9.1% (2)	18.2% (4)	22
External Event Recorder	56.3% (9)	25.0% (4)	12.5% (2)	0.0% (0)	6.3% (1)	16
Implantable Loop Recorder	78.9% (15)	21.1% (4)	0.0% (0)	0.0% (0)	0.0% (0)	19
Other	100.0% (11)	0.0% (0)	0.0% (0)	0.0% (0)	0.0% (0)	11
answered question						39
skipped question						8


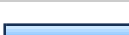



11. Do you perform left atrial ablation for Persistent AF? If yes to this question please reply to the following questions.

		Response Percent	Response Count
Yes but not for long-standing		44.7%	17
Yes for both persistent and for long standing persistent		50.0%	19
No		5.3%	2
answered question			38
skipped question			9





12. What is your primary ablation strategy for persistent AF (duration <1 year):

		Response Percent	Response Count
PV-Isolation		37.1%	13
PVI + CFAE-ablation		20.0%	7
PVI + leftatriallines		17.1%	6
PVI + left atrial lines + CFAE-ablation		25.7%	9
CFAE ablation only		0.0%	0
Other		0.0%	0
answered question			35
skipped question			12

13. What is your primary ablation strategy for long-standing persistent AF (duration >1 year):

		Response Percent	Response Count
PV-Isolation		10.0%	3
PVI + CFAE-ablation		20.0%	6
PVI + left atrial lines		10.0%	3
PVI + left atrial lines + CFAE-ablation		46.7%	14
CFAE ablation only		0.0%	0
Other		13.3%	4
answered question			30
skipped question			17

14. What is your primary concept of ablation guidance for persistent AF :

		Response Percent	Response Count
Fluororscopy		2.9%	1
Fluoroscopy + NavX-system		37.1%	13
Fluoroscopy + CARTO		57.1%	20
Fluoroscopy + ICE		2.9%	1
Fluoroscopy + other		0.0%	0
answered question			35
skipped question			12






15. How do you estimate your success rate (Success-I = asymptomatic patient, AF free without antiarrhythmic drugs. Success-II = asymptomatic patient, AF free including those with antiarrhythmic drugs-) for all forms of persistent AF including multiple procedures?

	<40%	40-50%	50-60%	60-70%	>70%	Response Count
Success-I (without antiarrhythmic drugs)	29.4% (10)	35.3% (12)	29.4% (10)	5.9% (2)	0.0% (0)	34
Success-II (with antiarrhythmic drugs)	2.8% (1)	22.2% (8)	30.6% (11)	36.1% (13)	8.3% (3)	36
answered question						36
skipped question						11

16. What methods do you use to assess success of persistent AF ablation? Check all that apply.

	<10%	10-30%	30-50%	50-70%	>70%	Response Count
Clinical evaluation	3.0% (1)	0.0% (0)	3.0% (1)	3.0% (1)	90.9% (30)	33
Resting ECG	3.0% (1)	3.0% (1)	0.0% (0)	6.1% (2)	87.9% (29)	33
Stress ECG	60.0% (9)	20.0% (3)	13.3% (2)	6.7% (1)	0.0% (0)	15
24h-Holter	0.0% (0)	0.0% (0)	9.4% (3)	9.4% (3)	81.3% (26)	32
7-day-Holter	38.1% (8)	19.0% (4)	9.5% (2)	14.3% (3)	19.0% (4)	21
External Event Recorder	64.7% (11)	17.6% (3)	11.8% (2)	0.0% (0)	5.9% (1)	17
Implantable Loop Recorder	82.4% (14)	17.6% (3)	0.0% (0)	0.0% (0)	0.0% (0)	17
Other	88.9% (8)	11.1% (1)	0.0% (0)	0.0% (0)	0.0% (0)	9
answered question						36
skipped question						11

17. In how many cases of primary successful persistent AF ablations do you observe recurrences with atrial tachycardias?

		Response Percent	Response Count
0-5 %		13.9%	5
5-10 %		33.3%	12
10-15 %		30.6%	11
> 15%		13.9%	5
> 25%		8.3%	3
answered question			36
skipped question			11