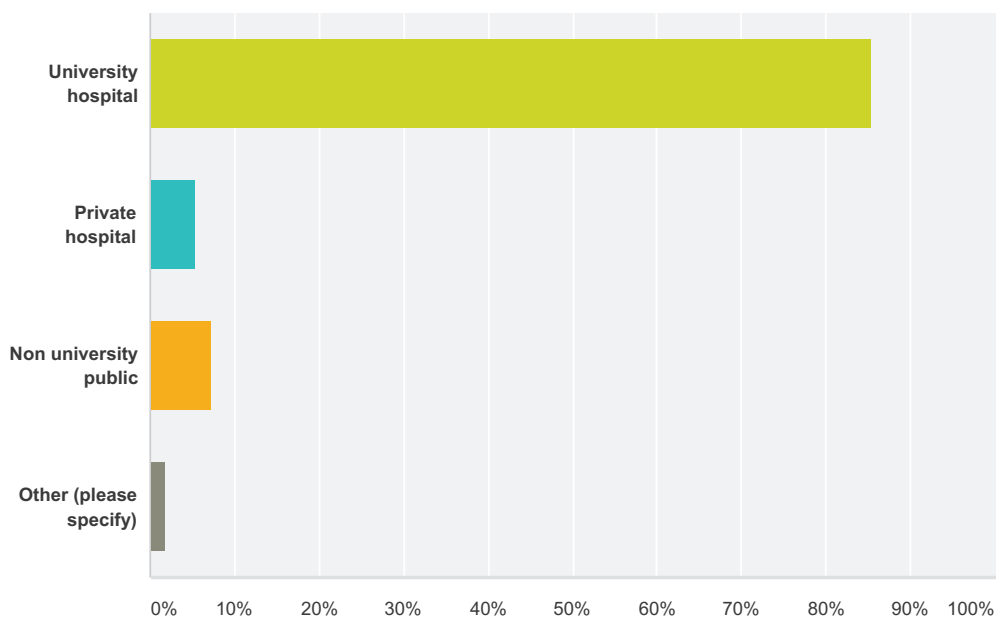


### Q1 What type of institution do you work in?

Answered: 55 Skipped: 0

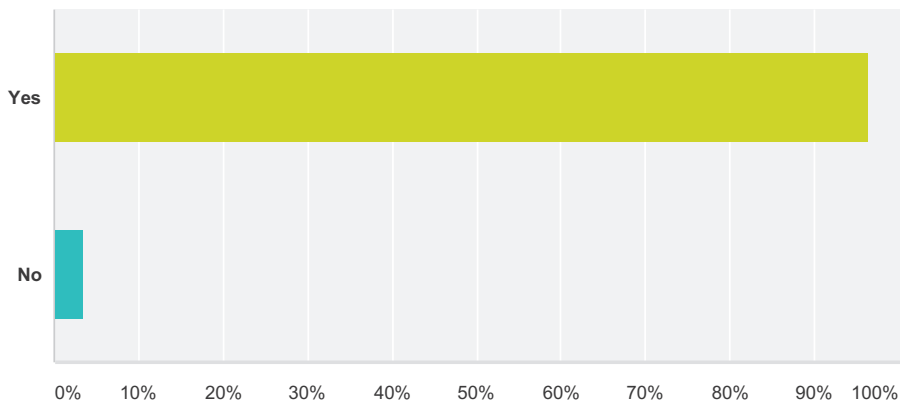


Answer Choices	Responses
University hospital	85.45% 47
Private hospital	5.45% 3
Non university public	7.27% 4
Other (please specify)	1.82% 1
<b>Total</b>	<b>55</b>

#	Other (please specify)	Date
1	public Hospital in cooperation with university	11/16/2016 9:41 AM

### Q2 Would you like acknowledgement of your centre in the Europace Journal and on the Website?

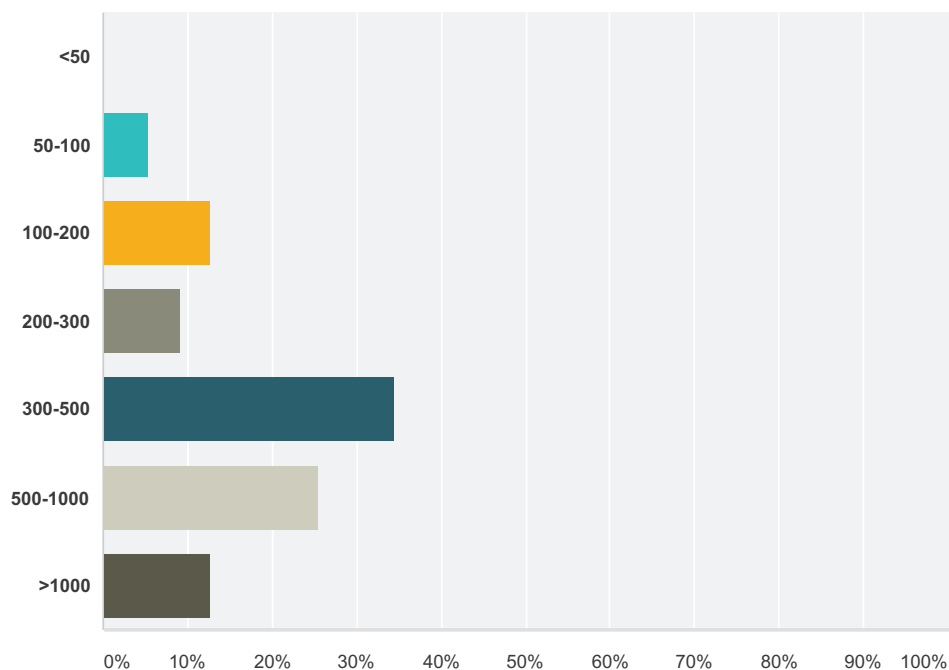
Answered: 55 Skipped: 0



Answer Choices	Responses
Yes	96.36% 53
No	3.64% 2
<b>Total</b>	<b>55</b>

### Q3 What was the total number of catheter ablations for all types of arrhythmias at your institution last calendar year?

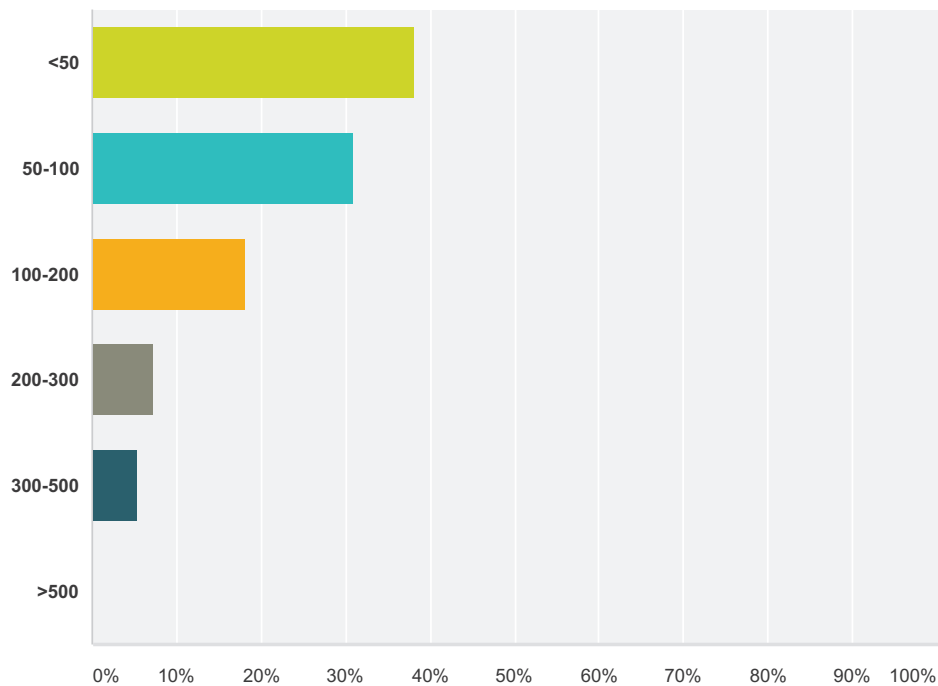
Answered: 55 Skipped: 0



Answer Choices	Responses	Count
<50	0.00%	0
50-100	5.45%	3
100-200	12.73%	7
200-300	9.09%	5
300-500	34.55%	19
500-1000	25.45%	14
>1000	12.73%	7
<b>Total</b>		<b>55</b>

### Q4 What was the total number of cryoablations for all types of arrhythmias at your institution last calendar year?

Answered: 55 Skipped: 0



Answer Choices	Responses	Count
<50	38.18%	21
50-100	30.91%	17
100-200	18.18%	10
200-300	7.27%	4
300-500	5.45%	3
>500	0.00%	0
<b>Total</b>		<b>55</b>

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**Q5 In which country and city is your centre based ?**

Answered: 55 Skipped: 0

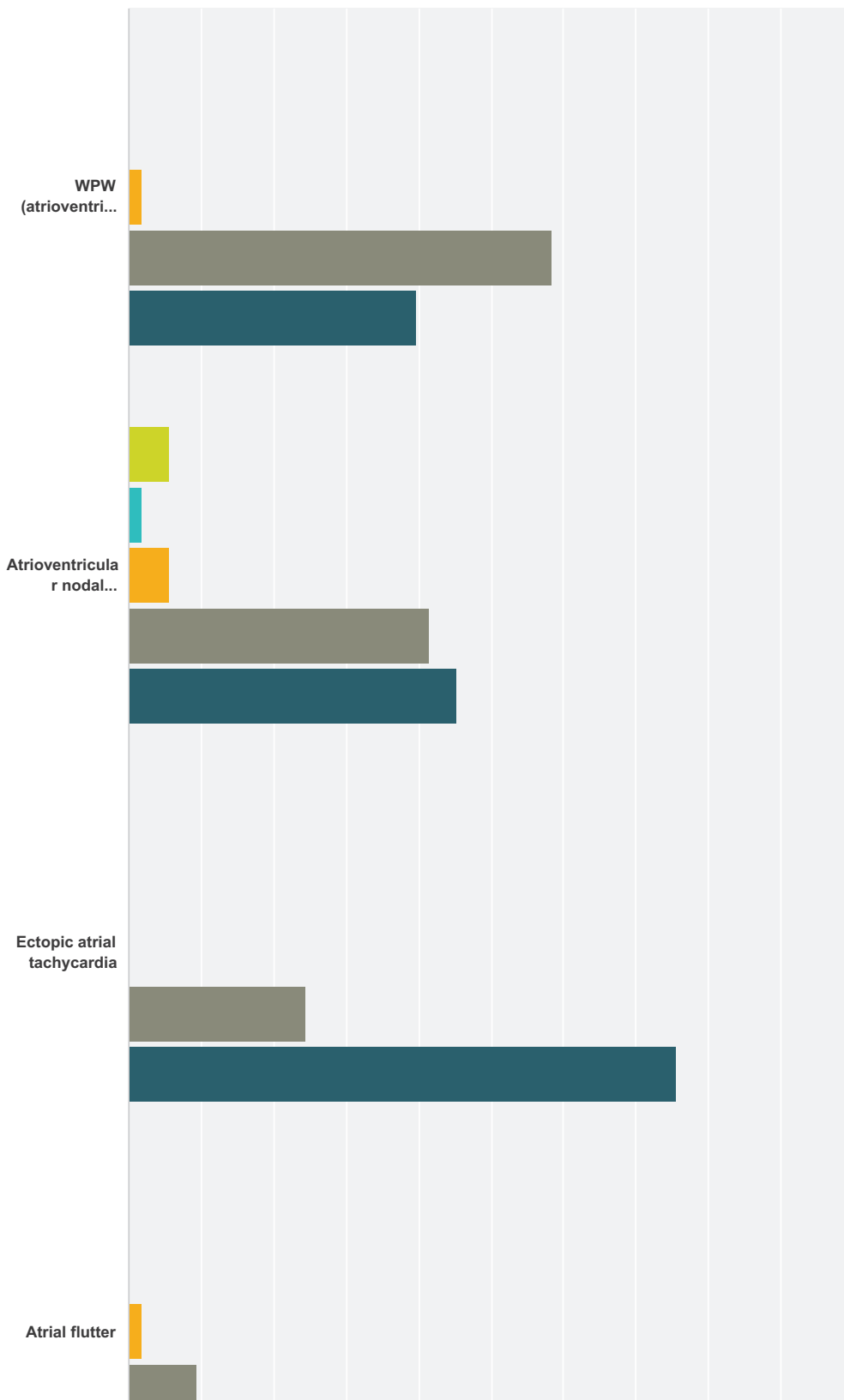
#	Responses	Date
1	Sweden, Stockholm	11/21/2016 9:08 AM
2	Serbia	11/21/2016 6:53 AM
3	Florence Italy	11/19/2016 3:12 AM
4	Norway, Oslo	11/17/2016 8:19 AM
5	Germany, Bad Nauheim	11/16/2016 9:41 AM
6	belgium	11/15/2016 12:42 PM
7	Tirgu Mures, Romania	11/14/2016 9:53 PM
8	Czech Rep.	11/14/2016 6:51 PM
9	Lund, Sweden	11/14/2016 5:08 PM
10	Finland	11/10/2016 7:28 PM
11	Sweden, Uppsala	11/9/2016 2:07 PM
12	Leipzig, Germany	11/8/2016 9:43 AM
13	Norway, Tromsø	11/7/2016 10:54 PM
14	Italy, Pisa	11/7/2016 9:46 PM
15	Italy	11/7/2016 7:57 PM
16	Denmark, Aalborg	11/7/2016 6:20 PM
17	Graz, Austria	11/7/2016 2:42 PM
18	Udine, ITALY	11/7/2016 11:29 AM
19	France - Marseilles	11/7/2016 7:48 AM
20	Sweden	11/7/2016 7:12 AM
21	Italy, Crema (CR)	11/5/2016 8:45 PM
22	Tbilisi, Georgia	11/5/2016 11:57 AM
23	netherlands	11/4/2016 10:01 PM
24	France	11/4/2016 9:48 PM
25	valencia spain	11/4/2016 7:34 PM
26	France - Toulouse	11/4/2016 6:44 PM
27	Germany	11/4/2016 12:58 AM
28	Germany	11/4/2016 12:53 AM
29	Poland	11/3/2016 10:24 PM
30	ournemouth, uk	10/31/2016 5:27 PM
31	Denmark	10/28/2016 8:02 PM
32	Poland, Warsaw	10/27/2016 4:31 PM
33	Leipzig, Germany	10/25/2016 1:00 PM
34	Switzerland	10/25/2016 8:54 AM

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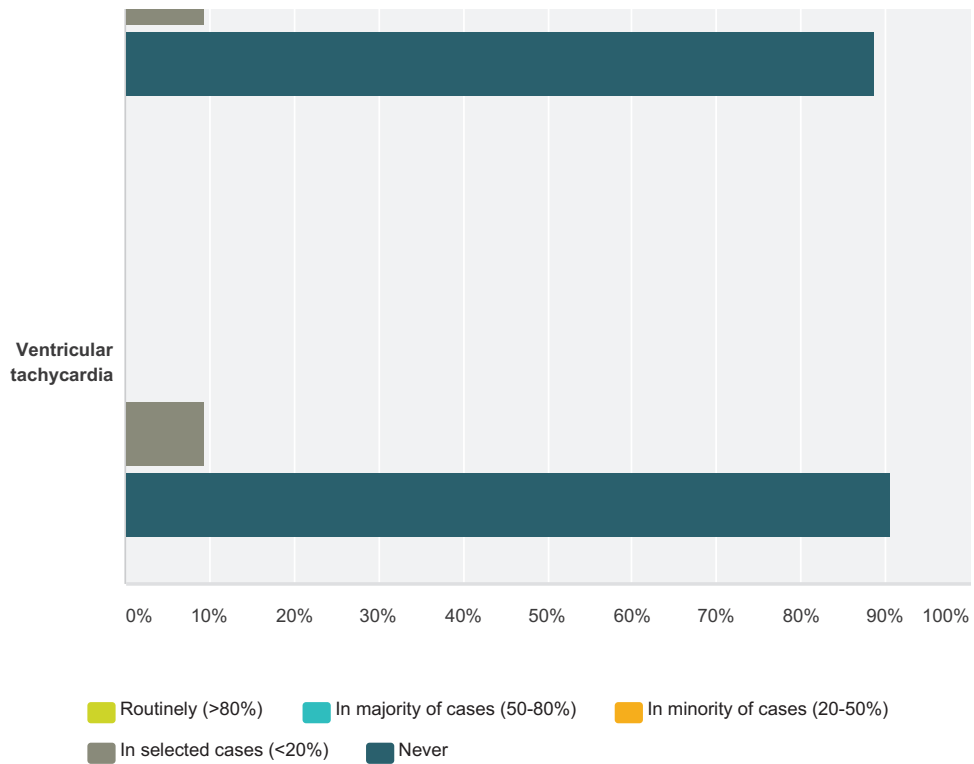
35	Spain	10/25/2016 8:22 AM
36	Brest FRANCE	10/25/2016 8:05 AM
37	Oslo, Norway	10/25/2016 7:17 AM
38	România, Bucharest	10/25/2016 5:46 AM
39	Zabrze, Poland	10/25/2016 2:20 AM
40	Spain, Madrid	10/25/2016 12:56 AM
41	madrid, spain	10/24/2016 11:02 PM
42	France	10/24/2016 10:47 PM
43	Austria, Linz	10/24/2016 10:38 PM
44	Poland, Rzeszów	10/24/2016 9:07 PM
45	belgium, hasselt	10/24/2016 8:51 PM
46	spain	10/24/2016 7:55 PM
47	SPAIN. HUELVA	10/24/2016 7:33 PM
48	Italy	10/24/2016 7:12 PM
49	Poland	10/24/2016 7:06 PM
50	Norway, Trondheim	10/24/2016 7:01 PM
51	Maastricht, the Netherlands	10/24/2016 6:53 PM
52	Germany	10/24/2016 6:15 PM
53	Bergen, Norway	10/24/2016 6:10 PM
54	Lithuania	10/24/2016 6:08 PM
55	Aberdeen, Scotland	10/24/2016 6:07 PM

### Q7 How often do you use cryoablation for treatment of SVT and VT?

Answered: 53 Skipped: 2



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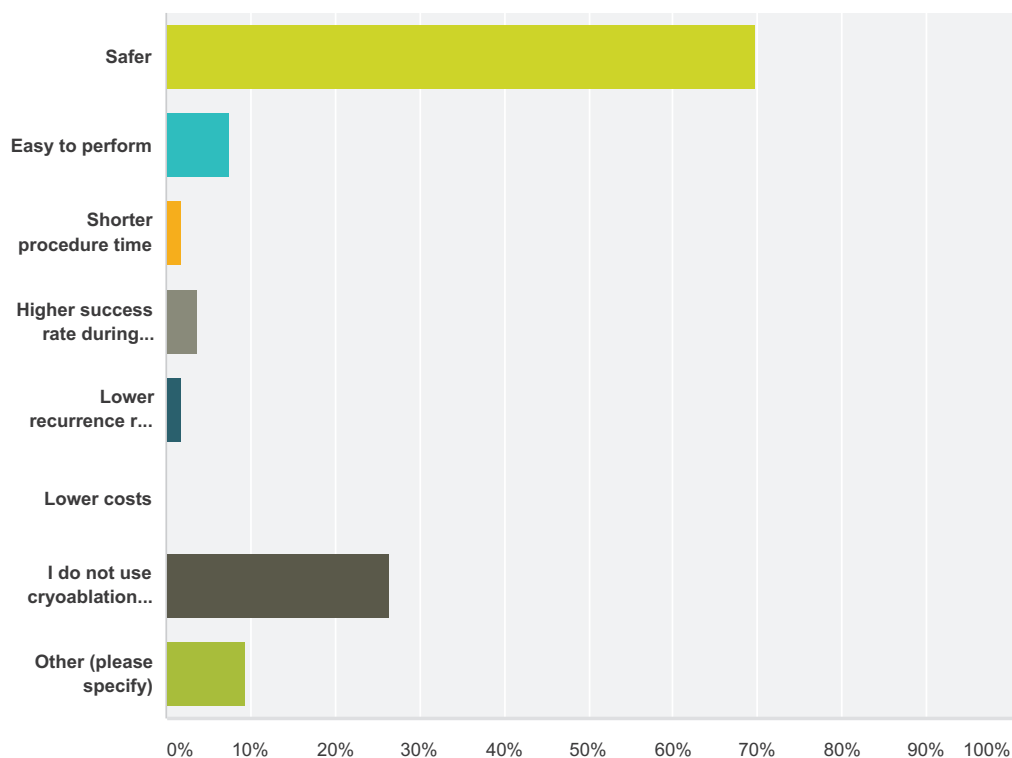


	Routinely (>80%)	In majority of cases (50-80%)	In minority of cases (20-50%)	In selected cases (<20%)	Never	Total
WPW (atrioventricular reentrant tachycardia)	0.00% 0	0.00% 0	1.89% 1	58.49% 31	39.62% 21	53
Atrioventricular nodal reentrant tachycardia	5.66% 3	1.89% 1	5.66% 3	41.51% 22	45.28% 24	53
Ectopic atrial tachycardia	0.00% 0	0.00% 0	0.00% 0	24.53% 13	75.47% 40	53
Atrial flutter	0.00% 0	0.00% 0	1.89% 1	9.43% 5	88.68% 47	53
Ventricular tachycardia	0.00% 0	0.00% 0	0.00% 0	9.43% 5	90.57% 48	53



**Q8 What are the reasons for choosing cryoablation technique (rather than other energy sources) for treatment of SVT, excluding atrial fibrillation? (choose all that apply)**

Answered: 53 Skipped: 2



Answer Choices	Responses
Safer	69.81% 37
Easy to perform	7.55% 4
Shorter procedure time	1.89% 1
Higher success rate during procedure	3.77% 2
Lower recurrence rate during long-term follow-up	1.89% 1
Lower costs	0.00% 0
I do not use cryoablation for treatment of SVT	26.42% 14
Other (please specify)	9.43% 5
<b>Total Respondents: 53</b>	

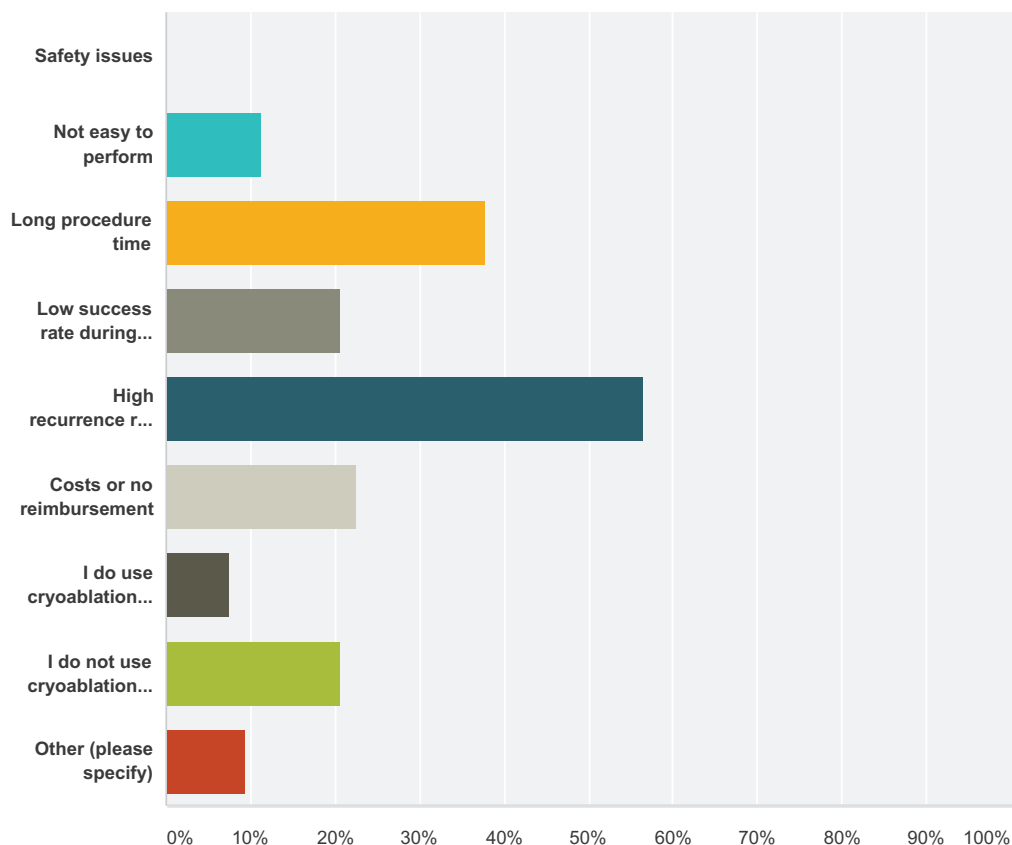
#	Other (please specify)	Date
1	I do not have cryoablation in my centre	11/21/2016 6:54 AM
2	We use cryo for safety reason to treat selekcted arrhythmias close to His bundle	11/10/2016 7:30 PM

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3	Only in select cases of AP close to His	11/9/2016 2:12 PM
4	We only use it in para-Hisian pathways or selected cases of AVNRT in patients < 18 years	11/7/2016 7:15 AM
5	We use it only when the source of arrhythmia is close to His bundle	10/27/2016 4:36 PM

### Q9 What are the reasons that discourage you from using cryoablation technique for treatment of SVT (excluding atrial fibrillation)? (choose all that apply)

Answered: 53 Skipped: 2



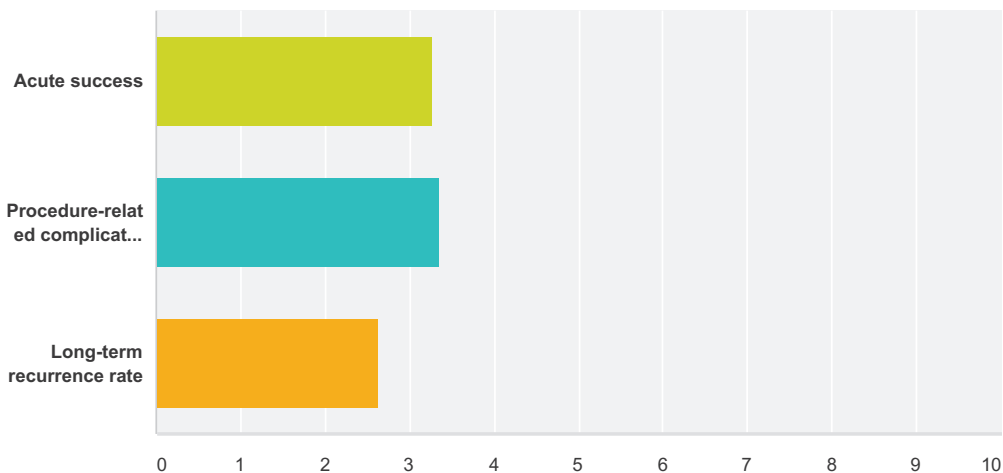
Answer Choices	Responses
Safety issues	0.00% 0
Not easy to perform	11.32% 6
Long procedure time	37.74% 20
Low success rate during procedure	20.75% 11
High recurrence rate during long-term follow-up	56.60% 30
Costs or no reimbursement	22.64% 12
I do use cryoablation routinely for treatment of SVT without any problem	7.55% 4
I do not use cryoablation for treatment of SVT	20.75% 11
Other (please specify)	9.43% 5
<b>Total Respondents: 53</b>	

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#	Other (please specify)	Date
1	We use cryo for all AVNRT and for selected other SVT	11/21/2016 9:10 AM
2	I do not have cryoablation in my centre	11/21/2016 6:54 AM
3	I haven't cryo aparature while.	11/14/2016 6:58 PM
4	High success rate, low complication rate with RF- no need to change regime	11/9/2016 2:12 PM
5	Technologically very poor catheter: unbends very poorly, stiff.	10/27/2016 4:36 PM

**Q10 What is your experience with acute success, procedure-related complication and long-term recurrence rates for SVT treatment (excluding atrial fibrillation) with cryoablation compared to radiofrequency ablation?**

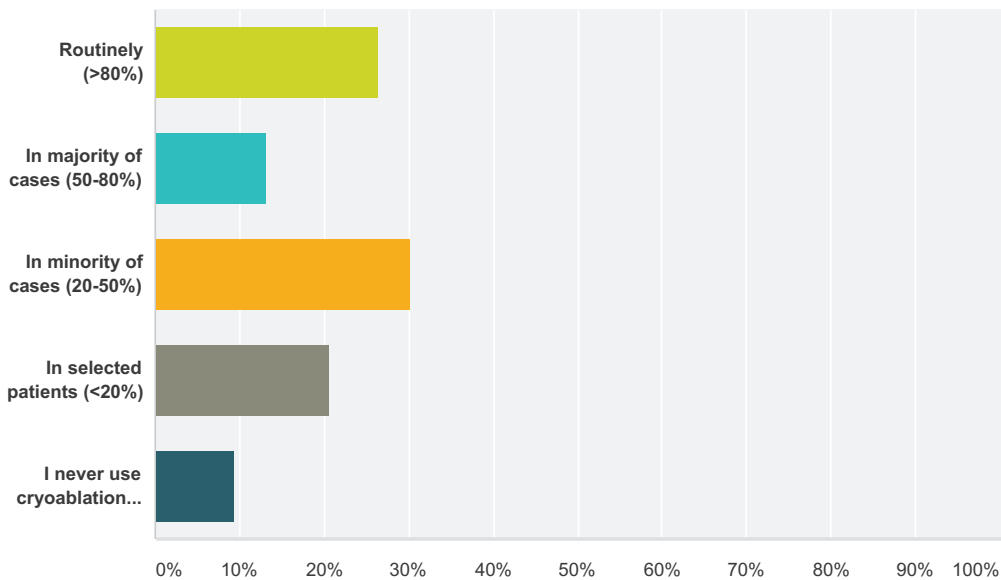
Answered: 53 Skipped: 2



	Higher	Lower	Similar	I have no data	I do not perform cryoablation for SVT	Total	Weighted Average
Acute success	1.89% 1	26.42% 14	39.62% 21	5.66% 3	26.42% 14	53	3.28
Procedure-related complication rate	0.00% 0	26.42% 14	37.74% 20	9.43% 5	26.42% 14	53	3.36
Long-term recurrence rate	43.40% 23	11.32% 6	9.43% 5	9.43% 5	26.42% 14	53	2.64

### Q11 How often do you use cryoablation for treatment of AF?

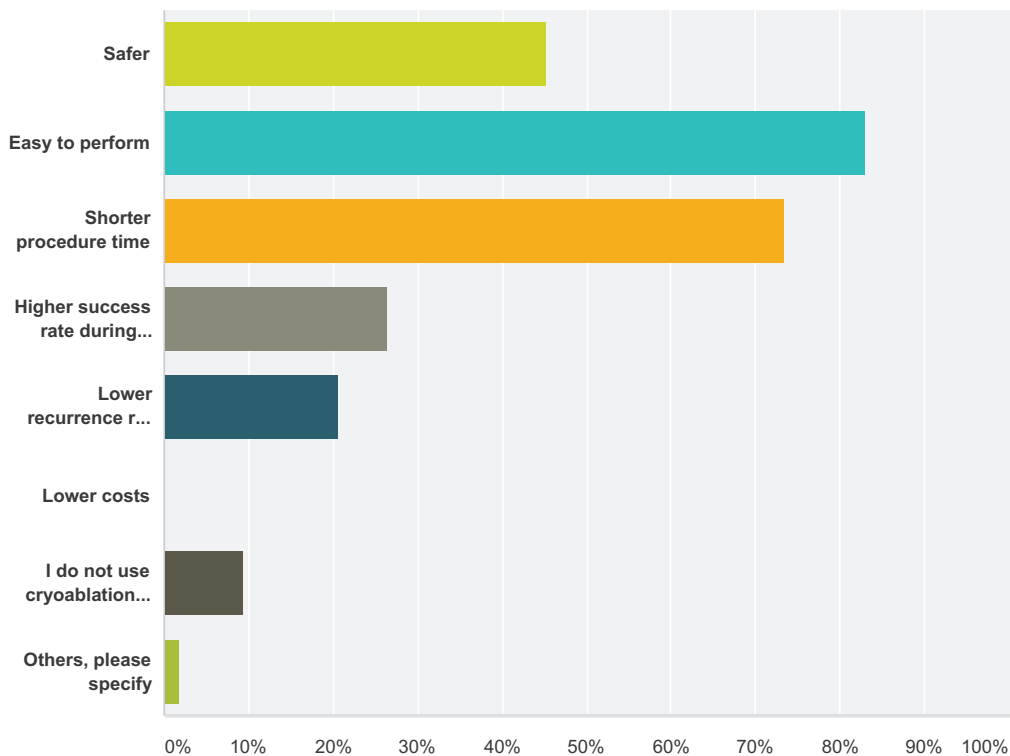
Answered: 53 Skipped: 2



Answer Choices	Responses
Routinely (>80%)	26.42% 14
In majority of cases (50-80%)	13.21% 7
In minority of cases (20-50%)	30.19% 16
In selected patients (<20%)	20.75% 11
I never use cryoablation for AF treatment	9.43% 5
<b>Total</b>	<b>53</b>

**Q12 What are the reasons choosing cryoablation technique for treatment of AF (rather than other energy sources)? (choose all apply)**

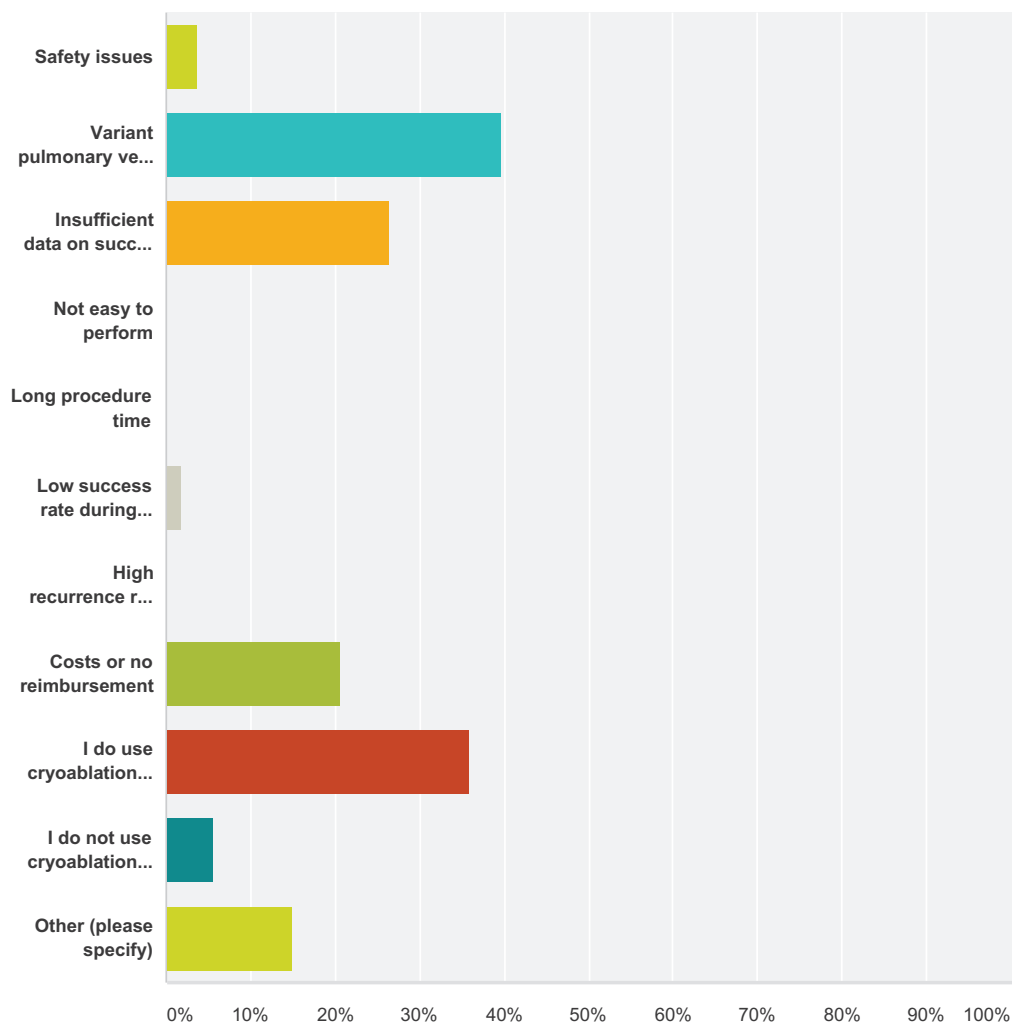
Answered: 53 Skipped: 2



Answer Choices	Responses
Safer	45.28% 24
Easy to perform	83.02% 44
Shorter procedure time	73.58% 39
Higher success rate during procedure	26.42% 14
Lower recurrence rate during long-term follow-up	20.75% 11
Lower costs	0.00% 0
I do not use cryoablation for AF treatment	9.43% 5
Others, please specify	1.89% 1
<b>Total Respondents: 53</b>	

### Q13 What are the reasons that discourage you from using cryoablation technique for AF treatment? (choose all that apply)

Answered: 53 Skipped: 2



Answer Choices	Responses
Safety issues	3.77% 2
Variant pulmonary vein anatomy	39.62% 21
Insufficient data on success rate in all types of AF	26.42% 14
Not easy to perform	0.00% 0
Long procedure time	0.00% 0
Low success rate during procedure	1.89% 1
High recurrence rate during long-term follow-up	0.00% 0
Costs or no reimbursement	20.75% 11



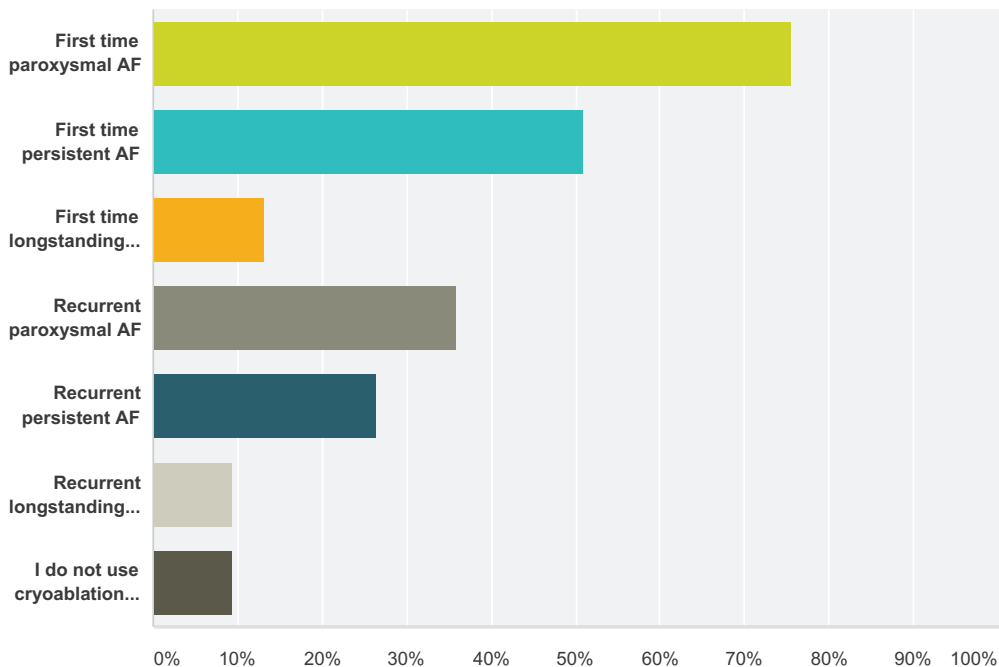
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I do use cryoablation routinely for AF treatment without any problem	<b>35.85%</b>	19
I do not use cryoablation for AF treatment	<b>5.66%</b>	3
Other (please specify)	<b>15.09%</b>	8
<b>Total Respondents: 53</b>		

#	Other (please specify)	Date
1	same answer	11/14/2016 7:00 PM
2	High radiation dose	11/10/2016 7:31 PM
3	Concomitant flutter	11/7/2016 10:58 PM
4	Xray exposure	11/7/2016 6:22 PM
5	we do not use cryo for re-ablation	10/28/2016 8:05 PM
6	planned additional Ablation (cavotrikuspid Isthmus, atrial tachycardia)	10/25/2016 8:56 AM
7	Radiation time, concomitant cavotricuspid isthmus ablation	10/25/2016 1:00 AM
8	High fluoroscopy dosage	10/24/2016 6:18 PM

### Q14 In which type(s) of AF do you choose cryoablation technique? (choose all that apply)

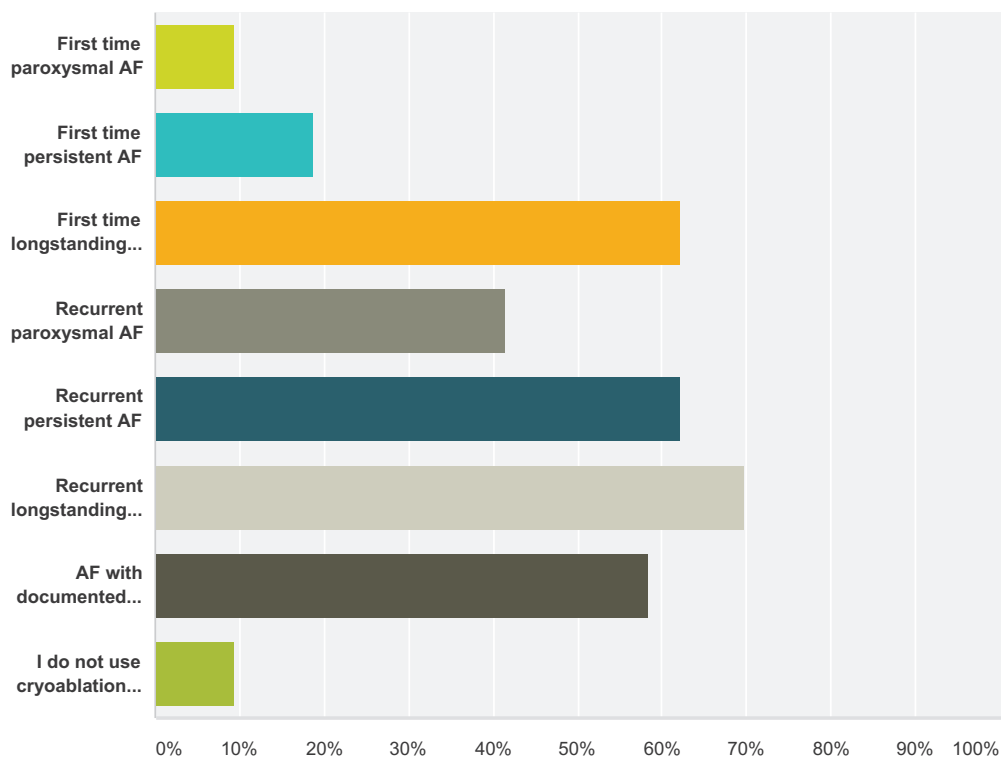
Answered: 53 Skipped: 2



Answer Choices	Responses
First time paroxysmal AF	75.47% 40
First time persistent AF	50.94% 27
First time longstanding persistent AF	13.21% 7
Recurrent paroxysmal AF	35.85% 19
Recurrent persistent AF	26.42% 14
Recurrent longstanding persistent AF	9.43% 5
I do not use cryoablation for treatment of AF	9.43% 5
<b>Total Respondents: 53</b>	

### Q15 In which type(s) of AF do you NOT choose cryoablation technique? (choose all that apply)

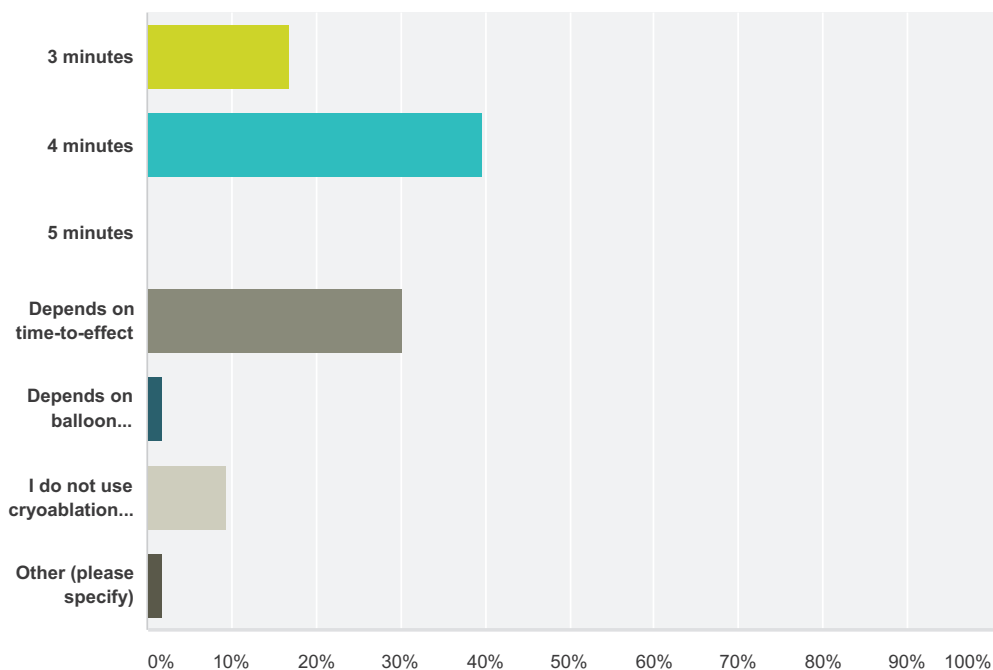
Answered: 53 Skipped: 2



Answer Choices	Responses
First time paroxysmal AF	9.43% 5
First time persistent AF	18.87% 10
First time longstanding persistent AF	62.26% 33
Recurrent paroxysmal AF	41.51% 22
Recurrent persistent AF	62.26% 33
Recurrent longstanding persistent AF	69.81% 37
AF with documented atrial flutter	58.49% 31
I do not use cryoablation for treatment of AF	9.43% 5
<b>Total Respondents: 53</b>	

### Q16 What is your setting of each freezing during cryoablation for pulmonary vein isolation?

Answered: 53 Skipped: 2

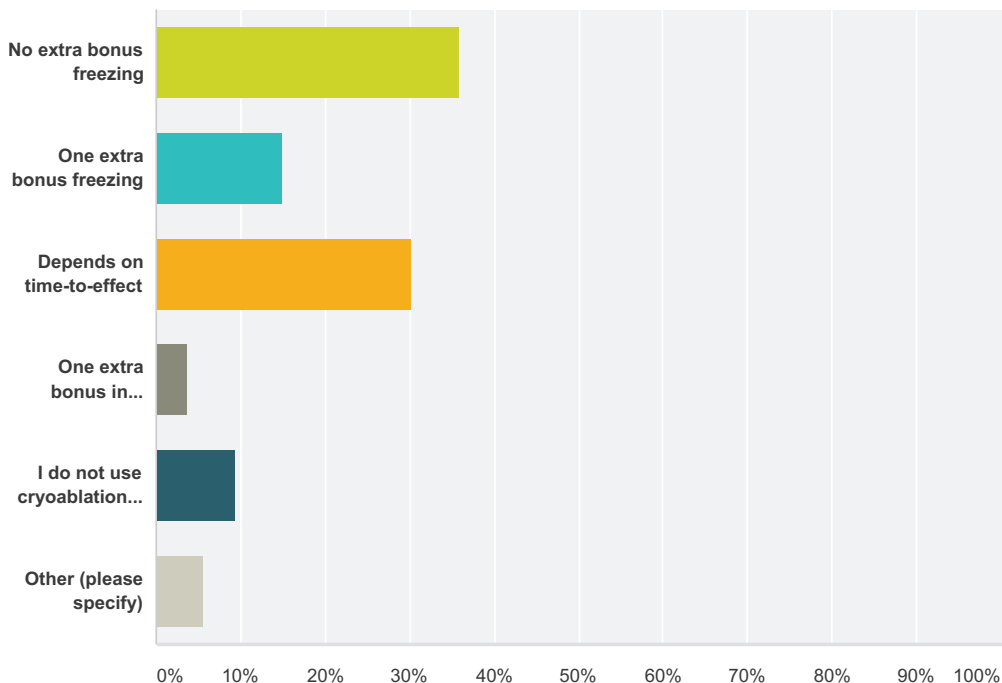


Answer Choices	Responses
3 minutes	16.98% 9
4 minutes	39.62% 21
5 minutes	0.00% 0
Depends on time-to-effect	30.19% 16
Depends on balloon generation (I, II, III generation)	1.89% 1
I do not use cryoablation for treatment of AF	9.43% 5
Other (please specify)	1.89% 1
<b>Total</b>	<b>53</b>

#	Other (please specify)	Date
1	3 min	10/24/2016 6:59 PM

### Q17 What is your strategy of extra bonus freezing if the pulmonary vein is isolated after the first energy application?

Answered: 53 Skipped: 2

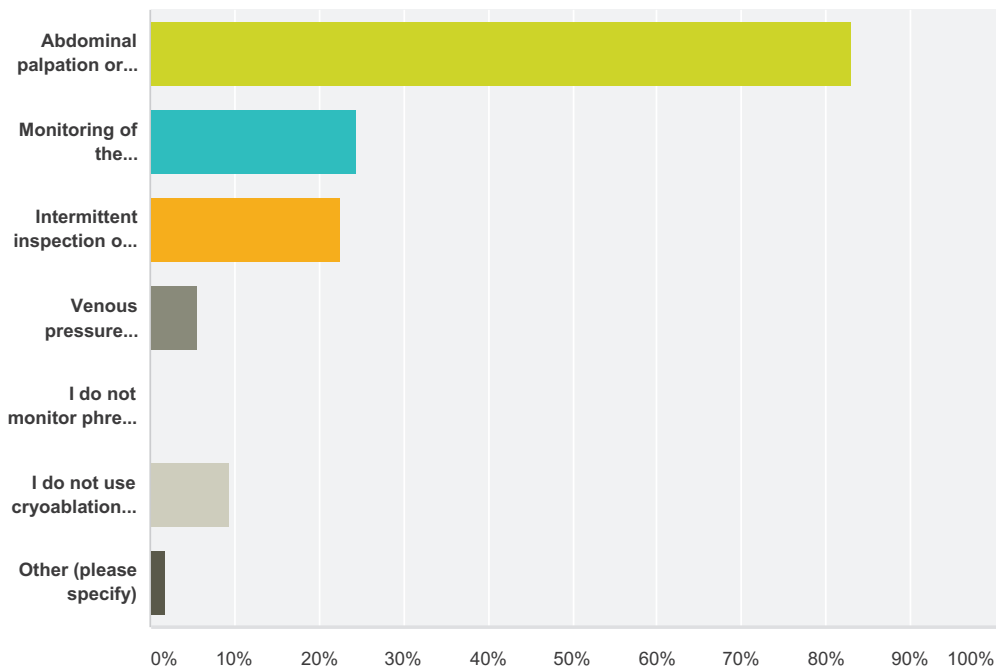


Answer Choices	Responses
No extra bonus freezing	35.85% 19
One extra bonus freezing	15.09% 8
Depends on time-to-effect	30.19% 16
One extra bonus in selected veins	3.77% 2
I do not use cryoablation for treatment of AF	9.43% 5
Other (please specify)	5.66% 3
<b>Total</b>	<b>53</b>

#	Other (please specify)	Date
1	If Isolation is reached within 60 secs and if -40°C is reached within 60 secs we do not perform a bonus freeze	11/15/2016 12:46 PM
2	2 freezing in every vein, no bonus	10/24/2016 9:15 PM
3	1 extra freeze	10/24/2016 6:59 PM

### Q18 How do you monitor the function of phrenic nerve? (chose all that apply)

Answered: 53 Skipped: 2

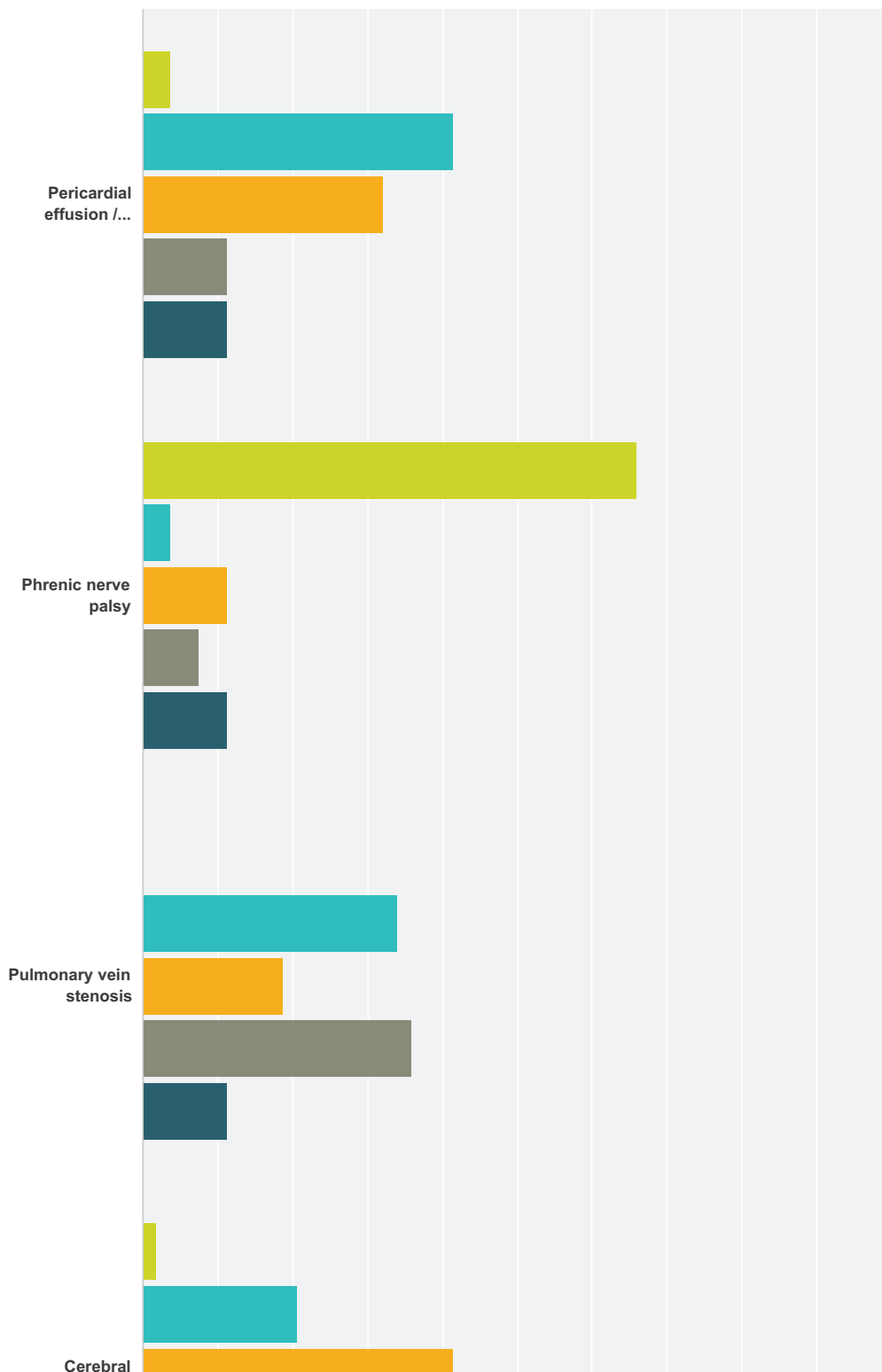


Answer Choices	Responses
Abdominal palpation or visual inspection of diaphragmatic contraction during phrenic nerve pacing	83.02% 44
Monitoring of the diaphragmatic compound motor action potential (CMAP)	24.53% 13
Intermittent inspection of fluoroscopy to assess diaphragm movement during phrenic nerve pacing	22.64% 12
Venous pressure measurement from large vein in subdiaphragmatic region (e.g. femoral vein, inferior caval vein)	5.66% 3
I do not monitor phrenic nerve function during cryoapplication	0.00% 0
I do not use cryoablation for treatment of AF	9.43% 5
Other (please specify)	1.89% 1
<b>Total Respondents: 53</b>	

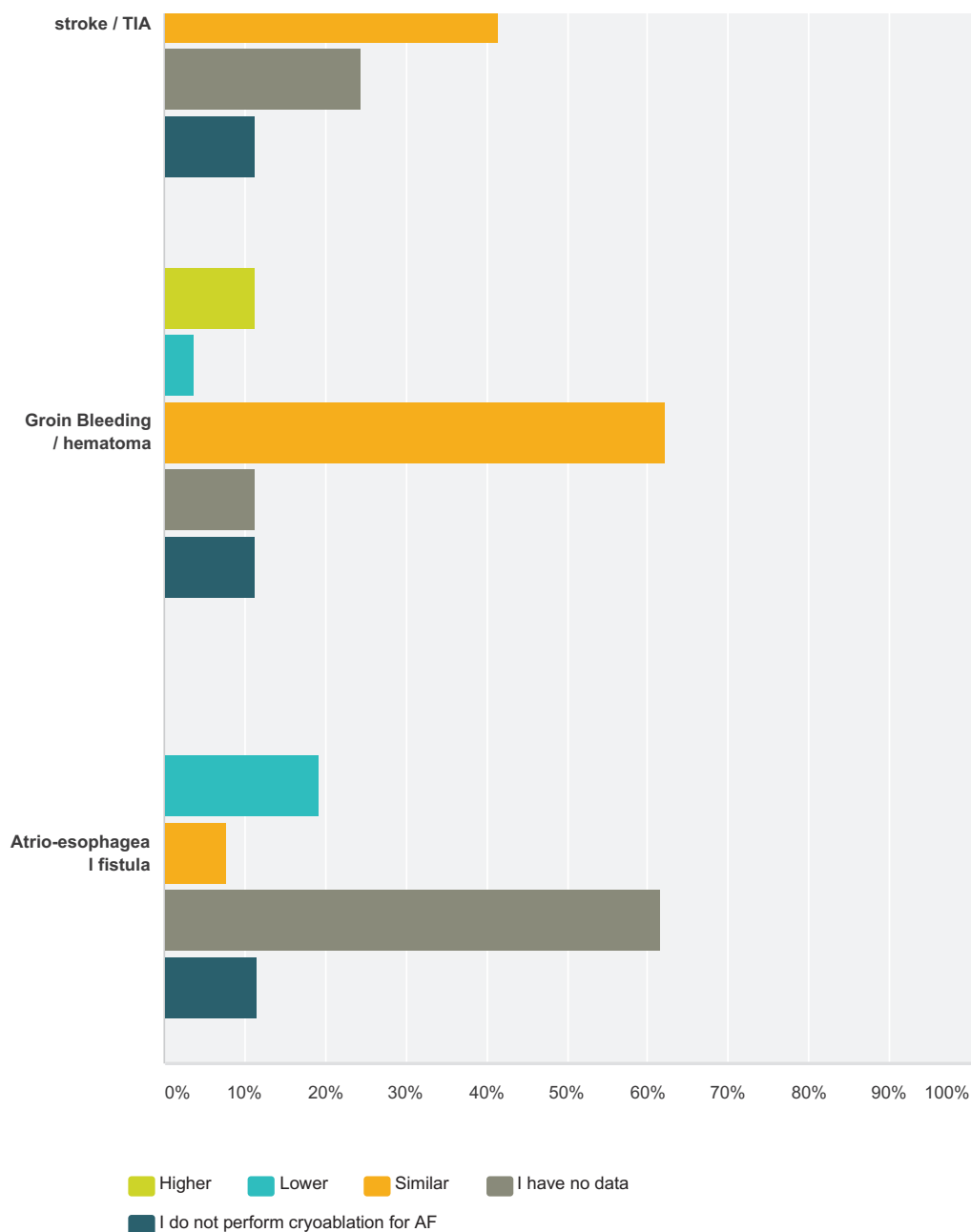
#	Other (please specify)	Date
1	Intermittent Inspektion of fluoroscopy during spontaneous breathing	10/24/2016 6:19 PM

### Q19 What is your experience with complication rates during and after AF treatment with cryoablation compared to radiofrequency ablation?

Answered: 53 Skipped: 2



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	Higher	Lower	Similar	I have no data	I do not perform cryoablation for AF	Total
Pericardial effusion / tamponade	3.77% 2	41.51% 22	32.08% 17	11.32% 6	11.32% 6	53
Phrenic nerve palsy	66.04% 35	3.77% 2	11.32% 6	7.55% 4	11.32% 6	53
Pulmonary vein stenosis	0.00% 0	33.96% 18	18.87% 10	35.85% 19	11.32% 6	53
Cerebral stroke / TIA	1.89% 1	20.75% 11	41.51% 22	24.53% 13	11.32% 6	53
Groin Bleeding / hematoma	11.32% 6	3.77% 2	62.26% 33	11.32% 6	11.32% 6	53

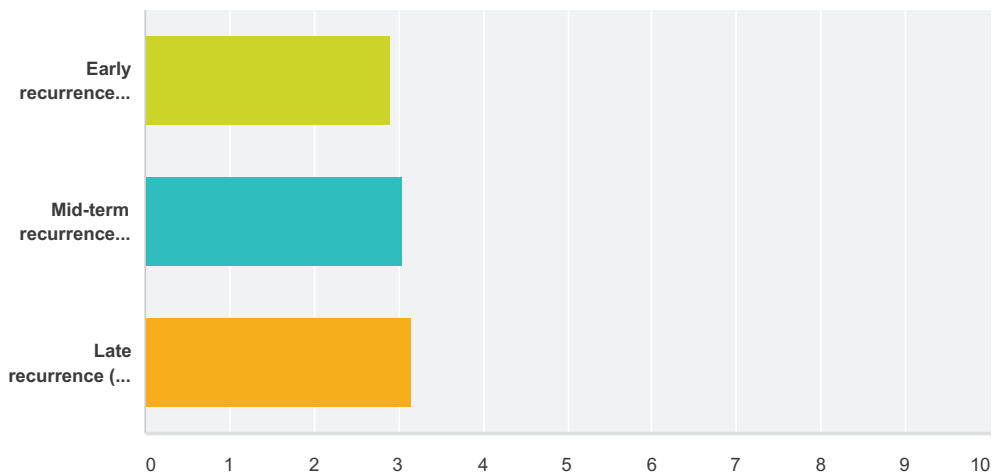


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Atrio-esophageal fistula	<b>0.00%</b> 0	<b>19.23%</b> 10	<b>7.69%</b> 4	<b>61.54%</b> 32	<b>11.54%</b> 6	52
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### Q20 What is your experience with recurrence rates after a first-time cryoablation procedure for paroxysmal AF compared to radio frequency ablation?

Answered: 53 Skipped: 2



	Higher	Lower	Similar	I have no data	I do not perform cryoablation for AF	Total	Weighted Average
Early recurrence within 3 month	3.77% 2	30.19% 16	47.17% 25	9.43% 5	9.43% 5	53	2.91
Mid-term recurrence (3-12 months)	1.89% 1	22.64% 12	54.72% 29	11.32% 6	9.43% 5	53	3.04
Late recurrence (>12 months)	0.00% 0	20.75% 11	52.83% 28	16.98% 9	9.43% 5	53	3.15