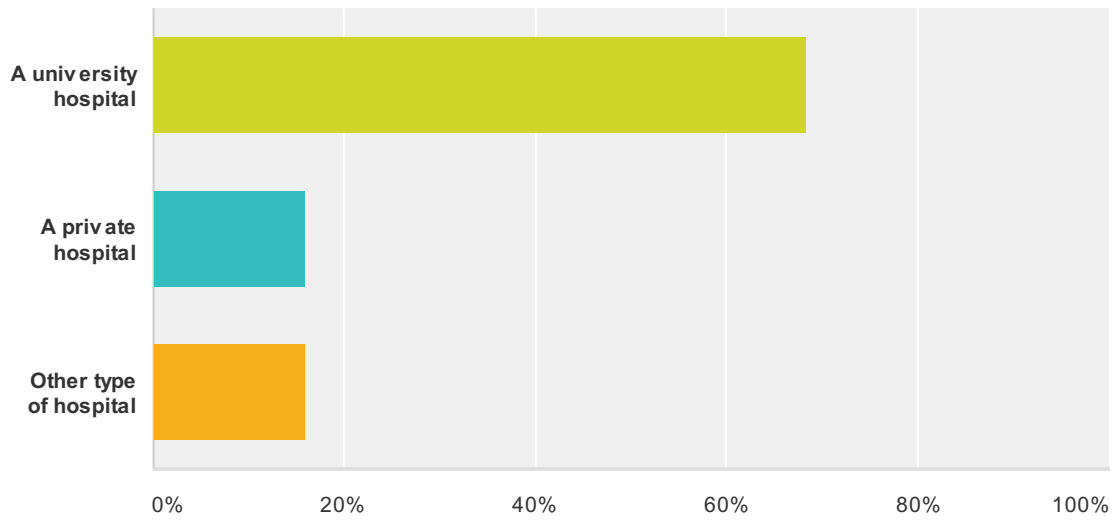


### Q1 Is your institution :

Répondues : 63 Ignorées : 0



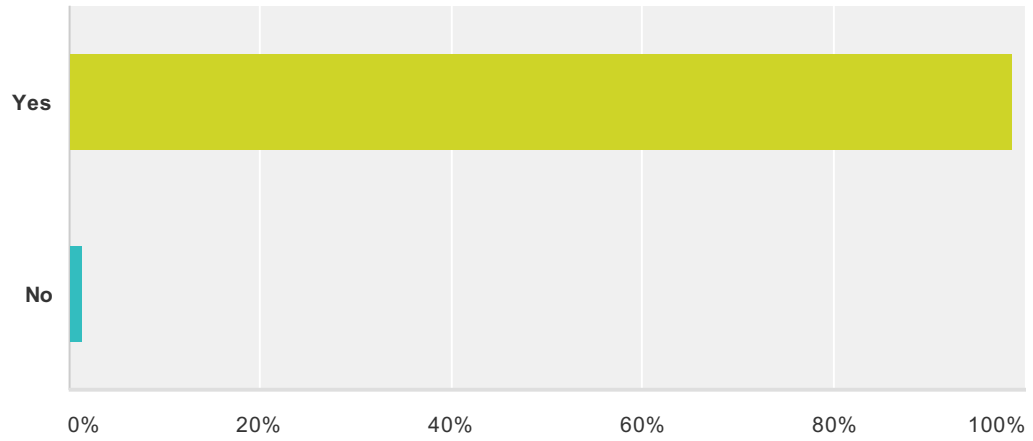
Choix de réponses	Réponses	
A university hospital	68,25%	43
A private hospital	15,87%	10
Other type of hospital	15,87%	10
<b>Total</b>		<b>63</b>

**Q2 Your email address is :**

Répondues : 61 Ignorées : 2

### Q3 Would you be comfortable if we acknowledge your centre in the Europace Journal and on the Website ?

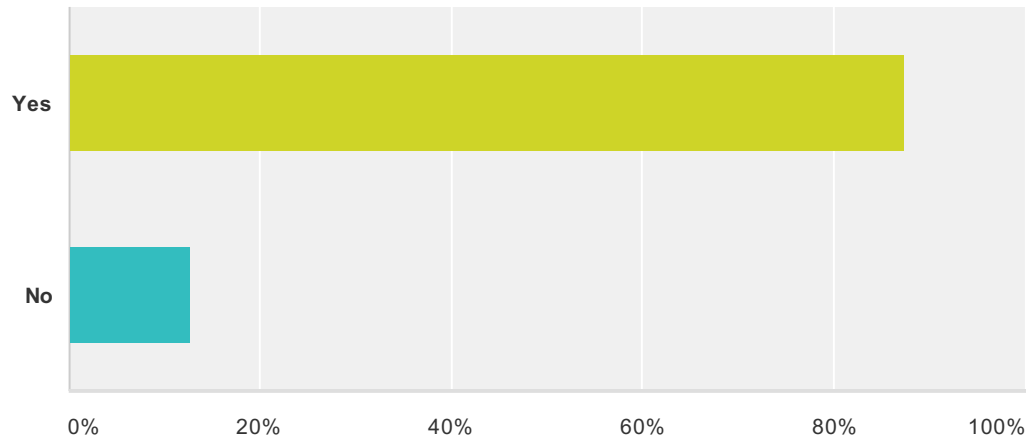
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses
Yes	98,41% 62
No	1,59% 1
<b>Total</b>	<b>63</b>

### Q4 Do you have Cardiac Surgery at your institution ?

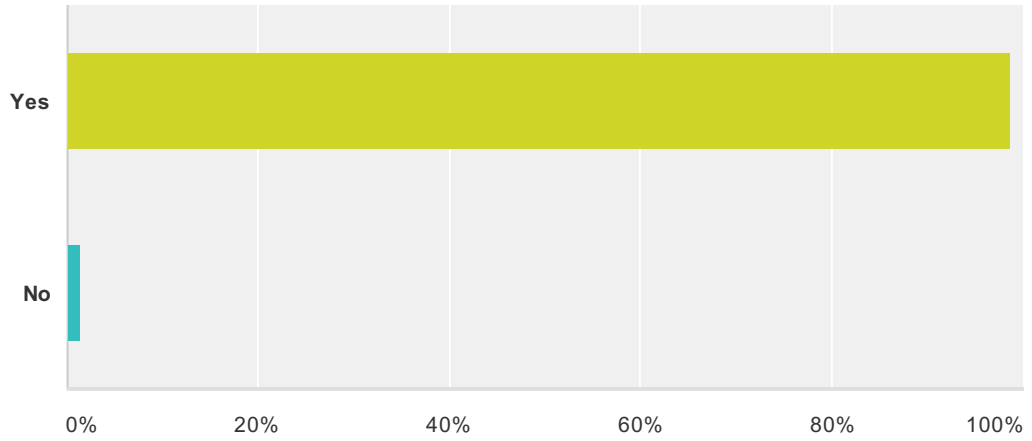
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses	
Yes	87,30%	55
No	12,70%	8
<b>Total</b>		<b>63</b>

### Q5 Is device implantation performed at your institution?

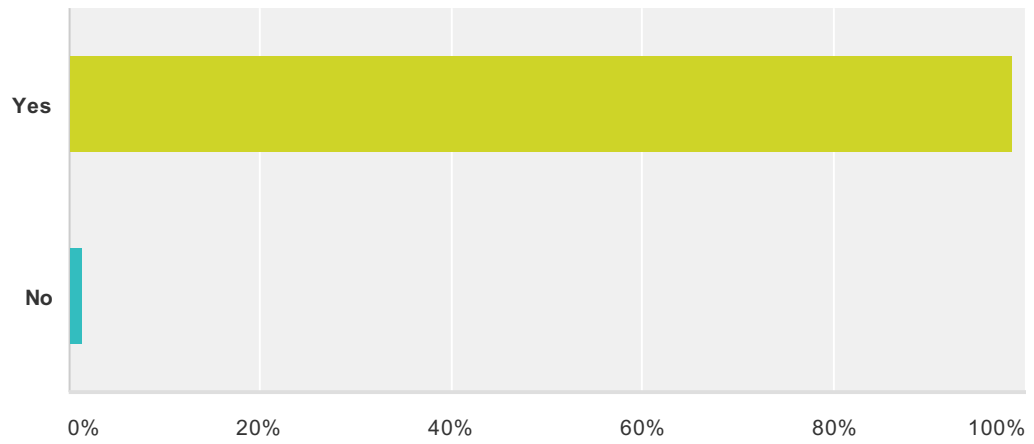
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses	
Yes	98,41%	62
No	1,59%	1
<b>Total</b>		<b>63</b>

### Q6 Do you perform device implantations?

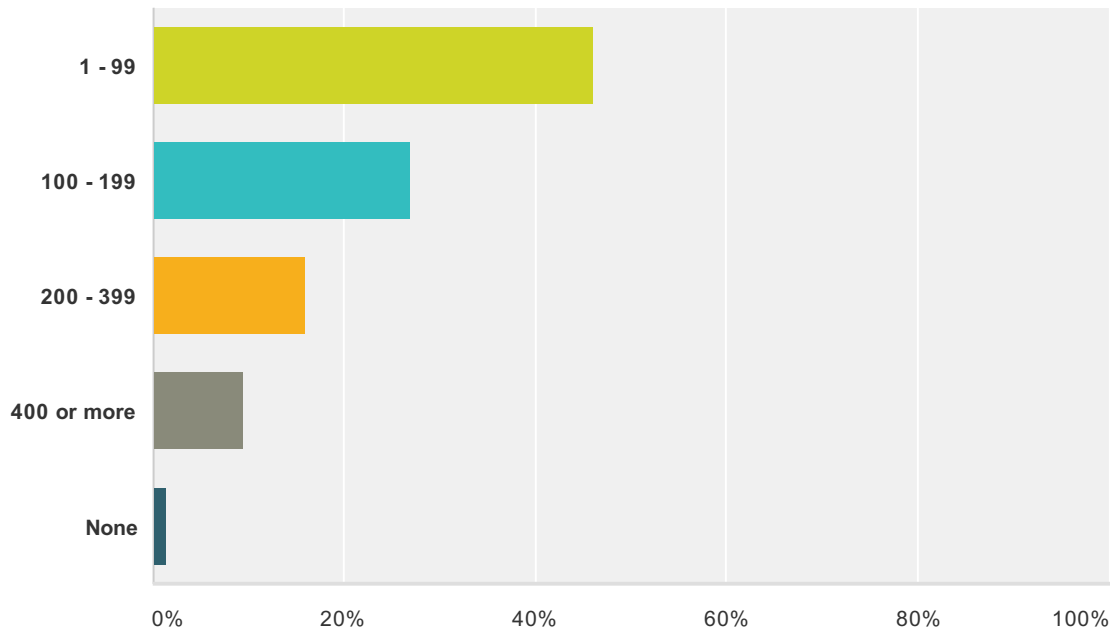
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses
Yes	98,41% 62
No	1,59% 1
<b>Total</b>	<b>63</b>

### Q7 Number of ICD implantations (Including CRT-Ds) at your institution (including box changes) last calendar year

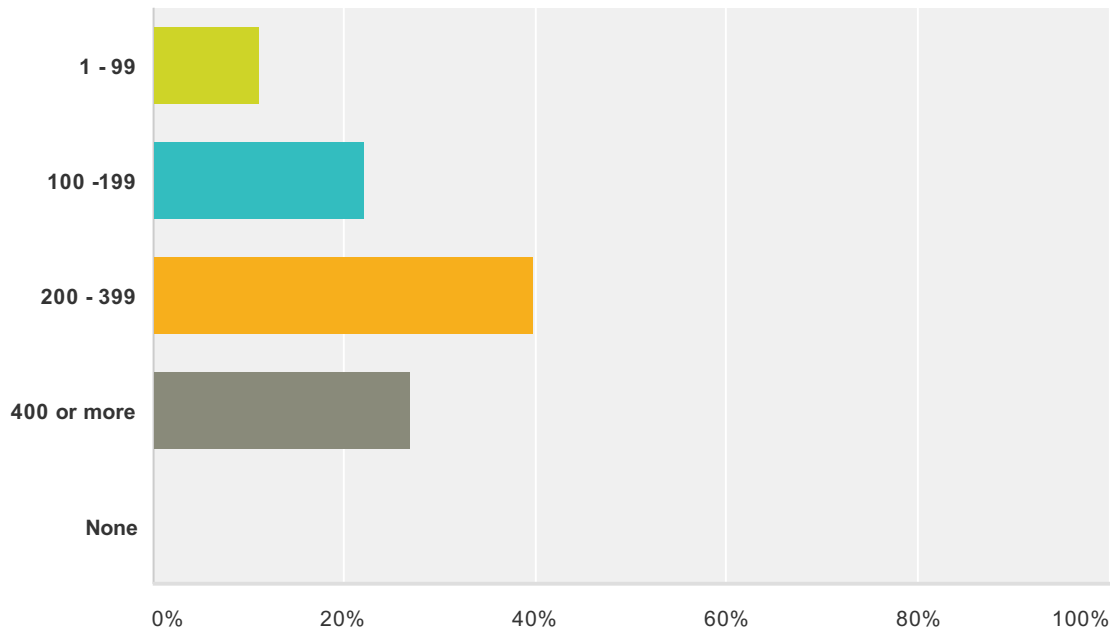
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses	Réponses
1 - 99	46,03%	29
100 - 199	26,98%	17
200 - 399	15,87%	10
400 or more	9,52%	6
None	1,59%	1
<b>Total</b>		<b>63</b>

### Q8 Number of pacemaker implantations (sum of new implants and replacements) at your institution last calendar year :

Répondues : 63 Ignorées : 0

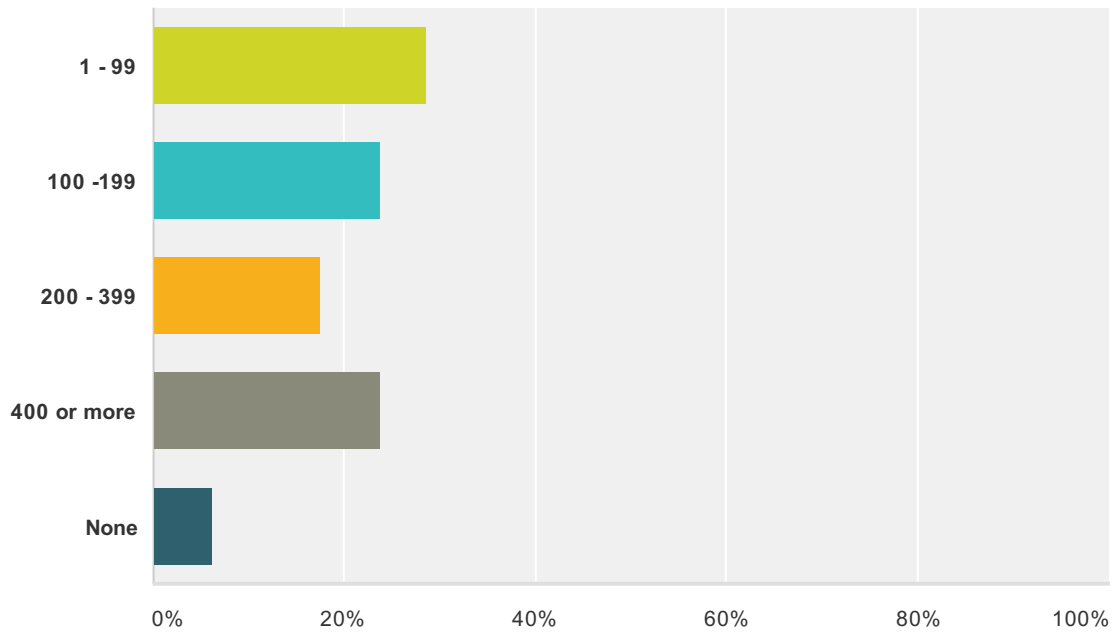


Choix de réponses	Réponses	
1 - 99	11,11%	7
100 -199	22,22%	14
200 - 399	39,68%	25
400 or more	26,98%	17
None	0%	0
<b>Total</b>		<b>63</b>



### Q9 Total number of Catheter ablations (all types of arrhythmia) at your institution last calender year

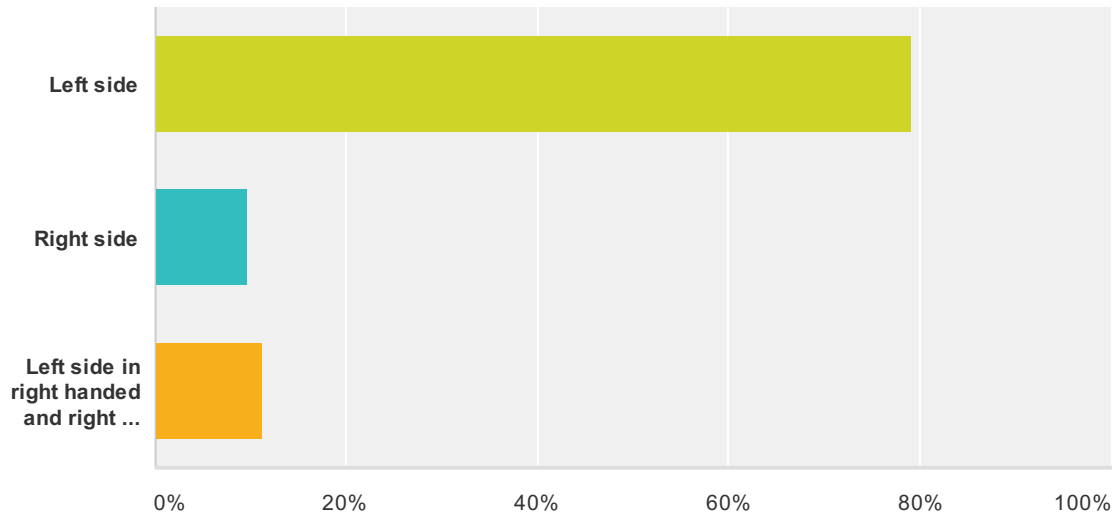
Répondues : 63 Ignorées : 0



Choix de réponses	Réponses	
1 - 99	28,57%	18
100 -199	23,81%	15
200 - 399	17,46%	11
400 or more	23,81%	15
None	6,35%	4
<b>Total</b>		<b>63</b>

### Q10 Which side of the patient do you prefer to use for device implantation?

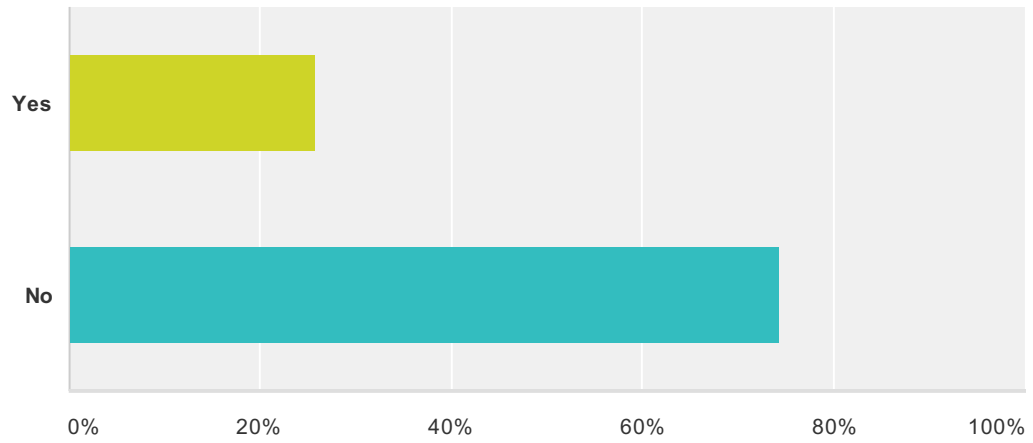
Répondues : 62 Ignorées : 1



Choix de réponses	Réponses	
Left side	<b>79,03%</b>	49
Right side	<b>9,68%</b>	6
Left side in right handed and right in left handed	<b>11,29%</b>	7
<b>Total</b>		<b>62</b>

### Q11 Do you modify your side approach in case of PM, ICD or CRT implant?

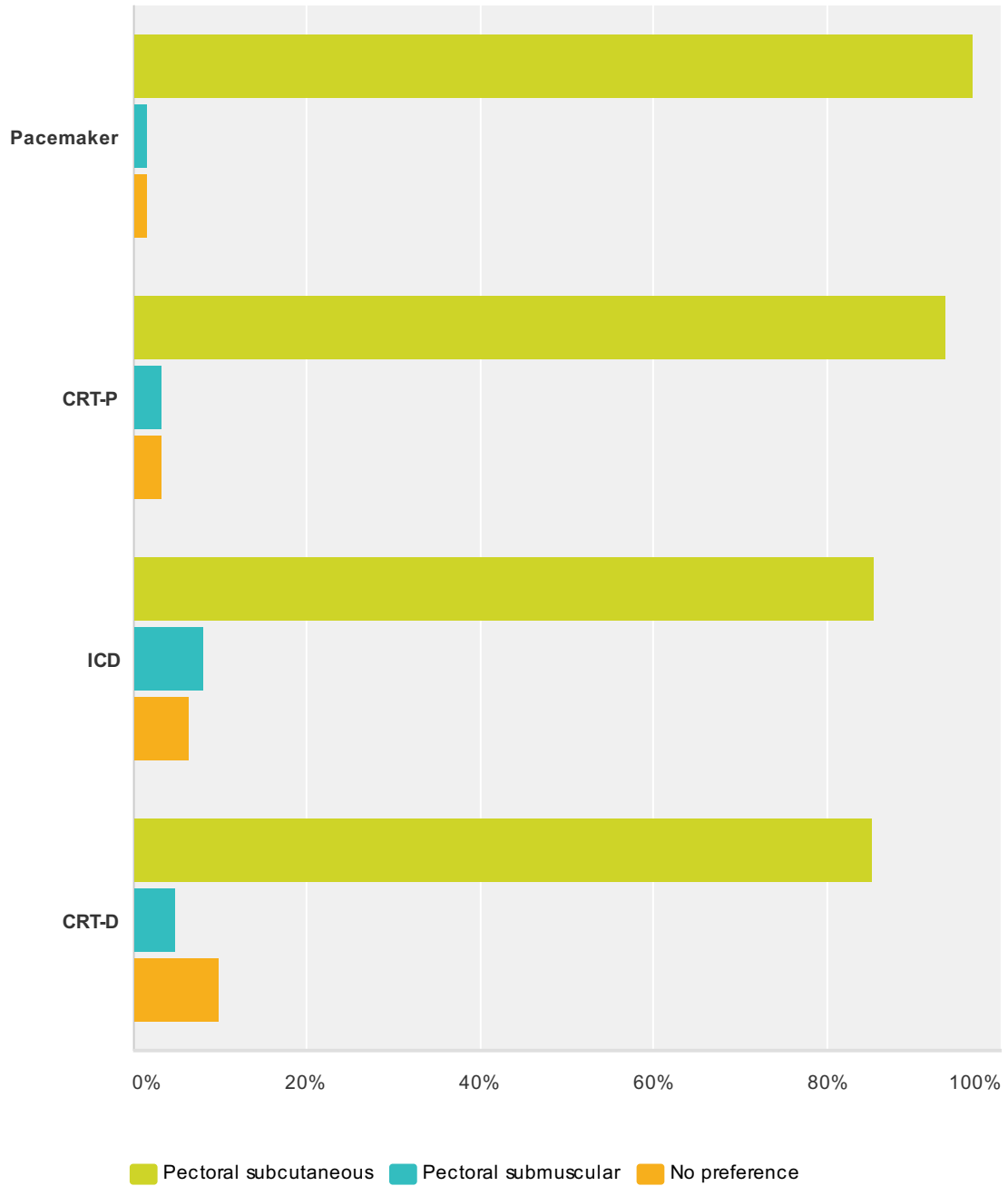
Répondues : 62 Ignorées : 1



Choix de réponses	Réponses	
Yes	25,81%	16
No	74,19%	46
<b>Total</b>		<b>62</b>

**Q12 Which is your first choice when you place devices during first implantations?  
Thick the most appropriate box please.**

Répondues : 62 Ignorées : 1



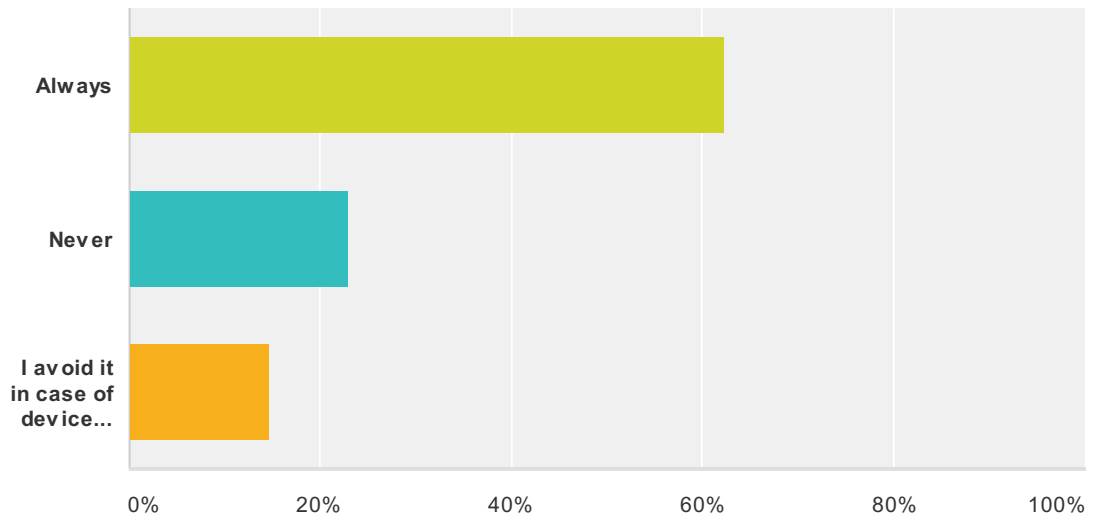
	Pectoral subcutaneous	Pectoral submuscular	No preference	Total
Pacemaker	96,72% 59	1,64% 1	1,64% 1	61
CRT-P	93,44% 57	3,28% 2	3,28% 2	61
ICD	85,25% 52	8,20% 5	6,56% 4	61
CRT-D	85%	5%	10%	60

# EP Wire on Preference of various techniques – Tools for device implantation

51	51	3	6	51
----	----	---	---	----

### Q13 Do you use electro-cautery?

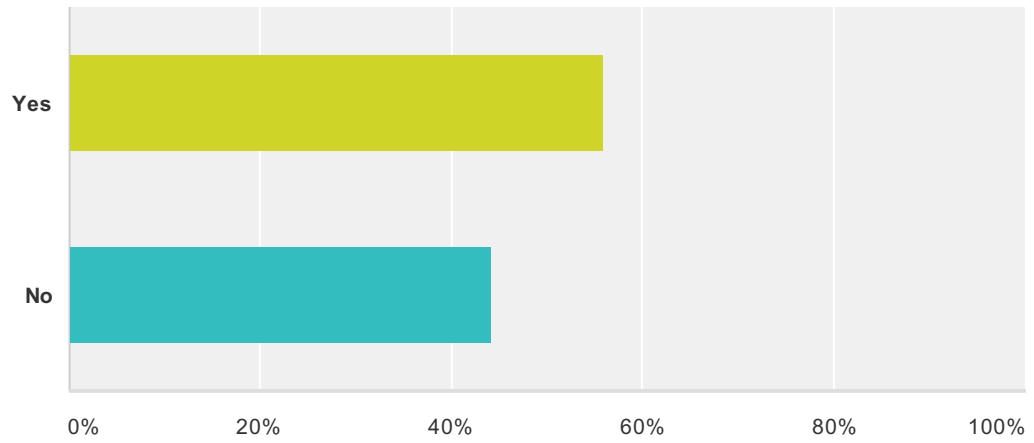
Répondues : 61 Ignorées : 2



Choix de réponses	Réponses	
Always	62,30%	38
Never	22,95%	14
I avoid it in case of device replacement	14,75%	9
<b>Total</b>		<b>61</b>

### Q14 Do you use electro-cautery on or around leads?

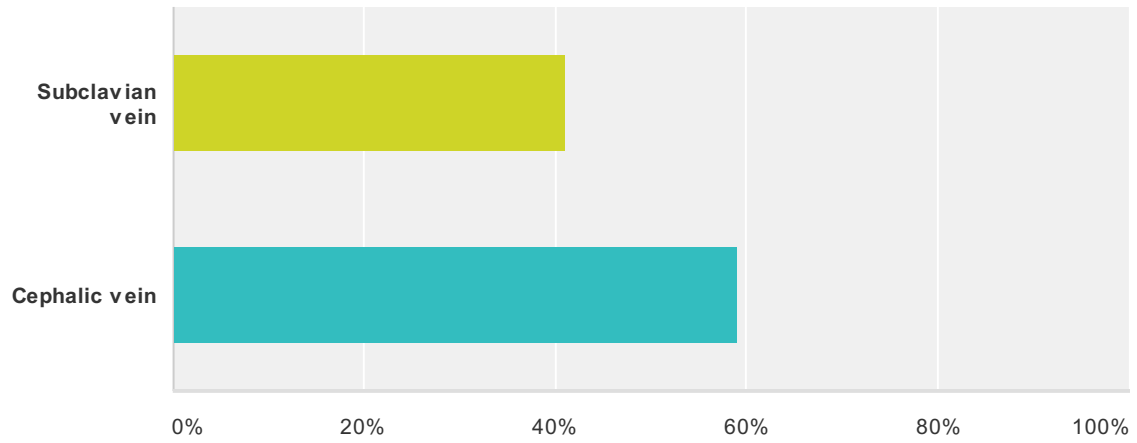
Répondues : 61 Ignorées : 2



Choix de réponses	Réponses	
Yes	55,74%	34
No	44,26%	27
<b>Total</b>		<b>61</b>

### Q15 Which is your first venous access for lead implant?

Répondues : 61 Ignorées : 2

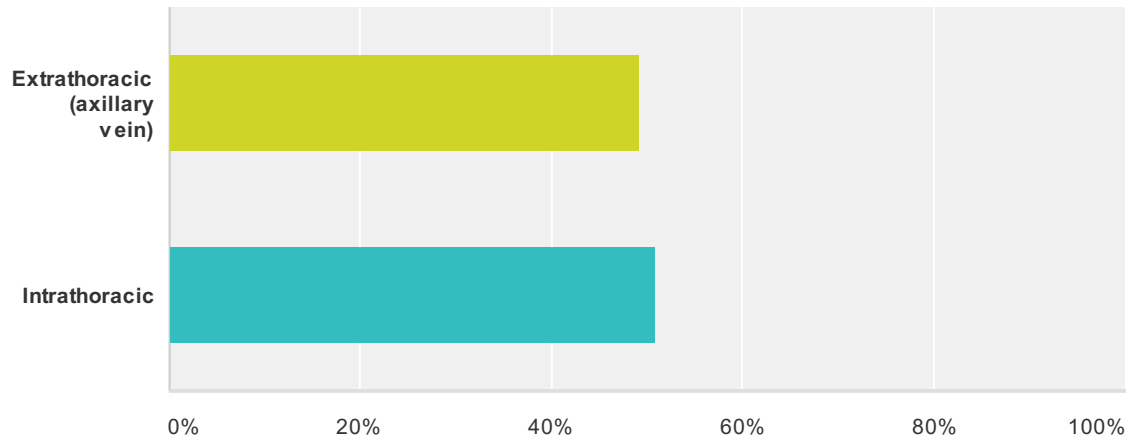


Choix de réponses	Réponses	
Subclavian vein	40,98%	25
Cephalic vein	59,02%	36
<b>Total</b>		<b>61</b>



### Q16 Which approach to subclavian vein puncture?

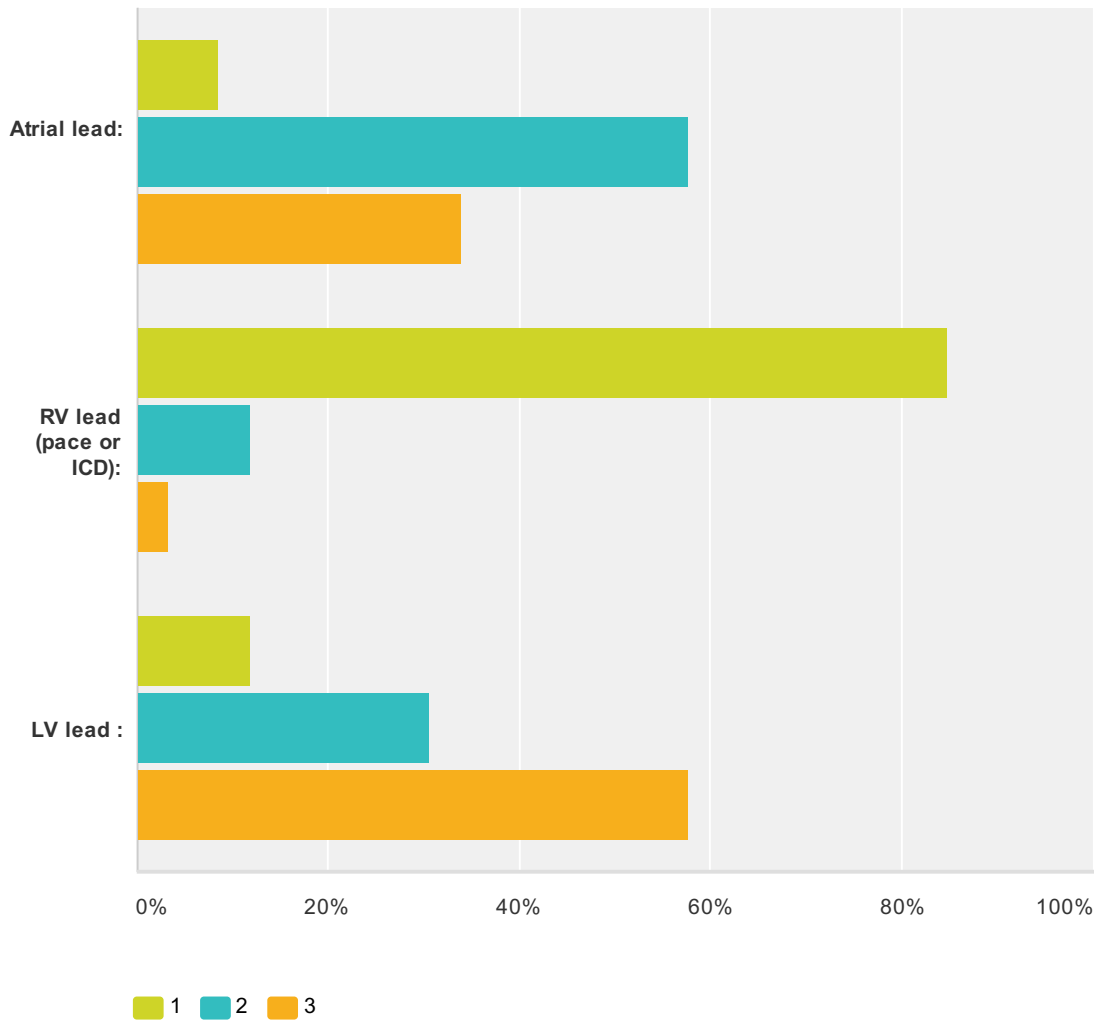
Répondues : 61 Ignorées : 2



Choix de réponses	Réponses	
Extrathoracic (axillary vein)	49,18%	30
Intrathoracic	50,82%	31
<b>Total</b>		<b>61</b>

**Q17 Give a number for the order in which you usually position the leads in the heart during a CRT implantation.**

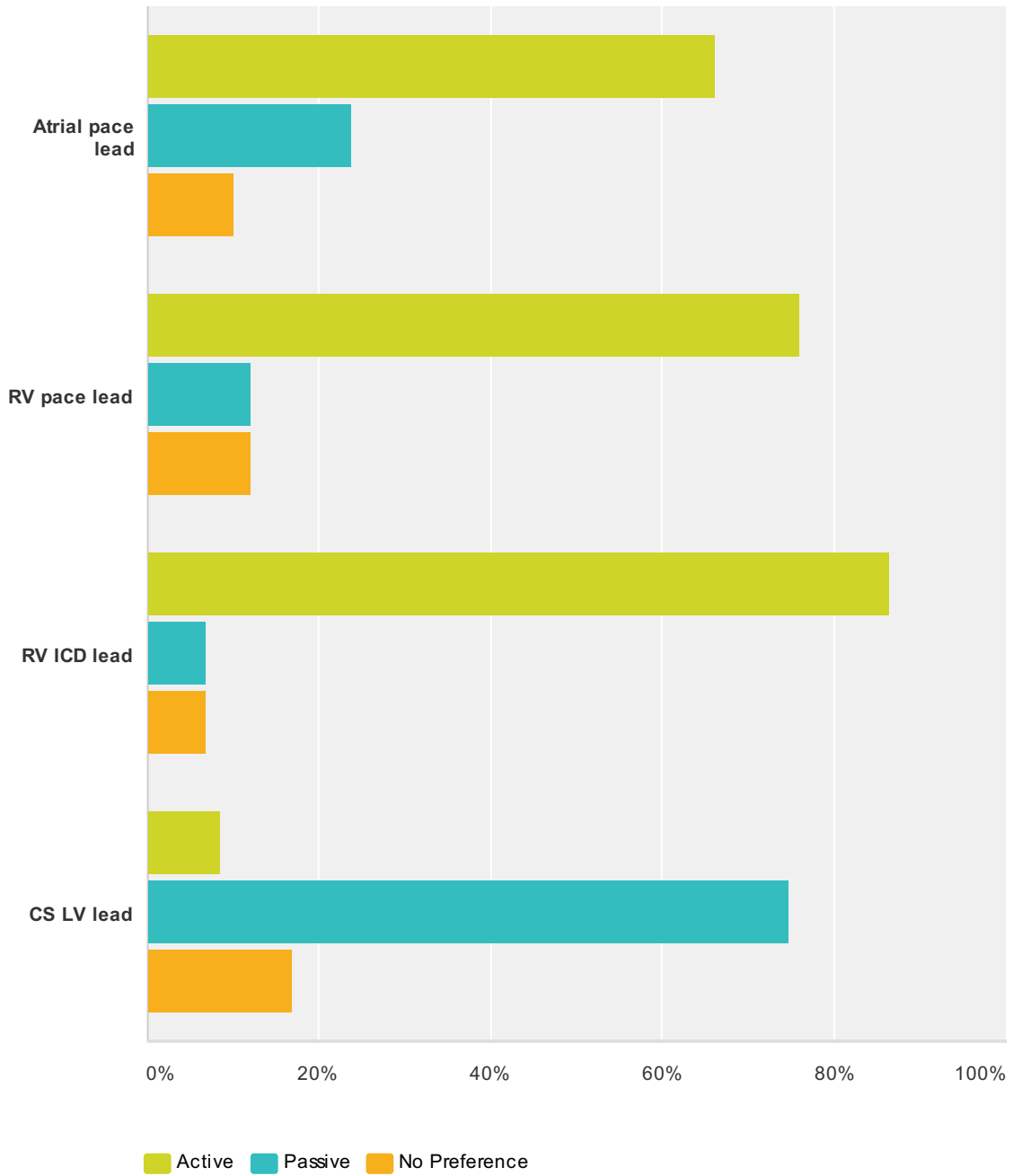
Répondues : 59 Ignorées : 4



	1	2	3	Total
Atrial lead: †	8,47% 5	57,63% 34	33,90% 20	59
RV lead (pace or ICD):	84,75% 50	11,86% 7	3,39% 2	59
LV lead :	11,86% 7	30,51% 18	57,63% 34	59

### Q18 Which type of lead fixation do you usually prefer for each lead type?

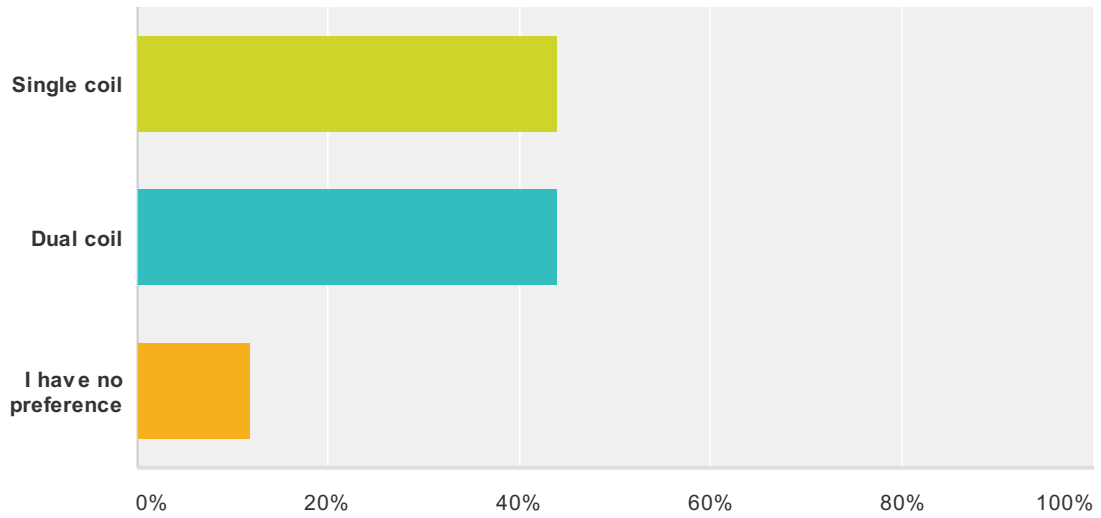
Répondues : 59 Ignorées : 4



	Active	Passive	No Preference	Total
Atrial pace lead	66,10% 39	23,73% 14	10,17% 6	59
RV pace lead	75,86% 44	12,07% 7	12,07% 7	58
RV ICD lead	86,21% 50	6,90% 4	6,90% 4	58
CS LV lead	8,47% 5	74,58% 44	16,95% 10	59

### Q19 Performing an ICD implant, which kind of RV lead do you prefer?

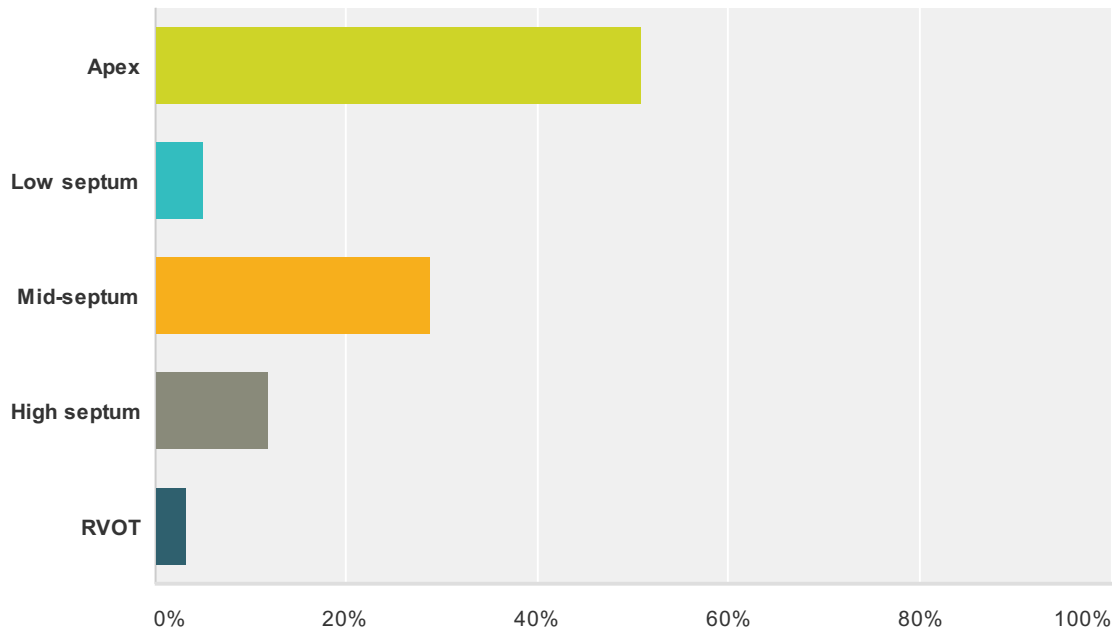
Répondues : 59 Ignorées : 4



Choix de réponses	Réponses
Single coil	44,07% 26
Dual coil	44,07% 26
I have no preference	11,86% 7
<b>Total</b>	<b>59</b>

### Q20 Where would you implant the RV lead as first option in a brady-pacemaker patient ?

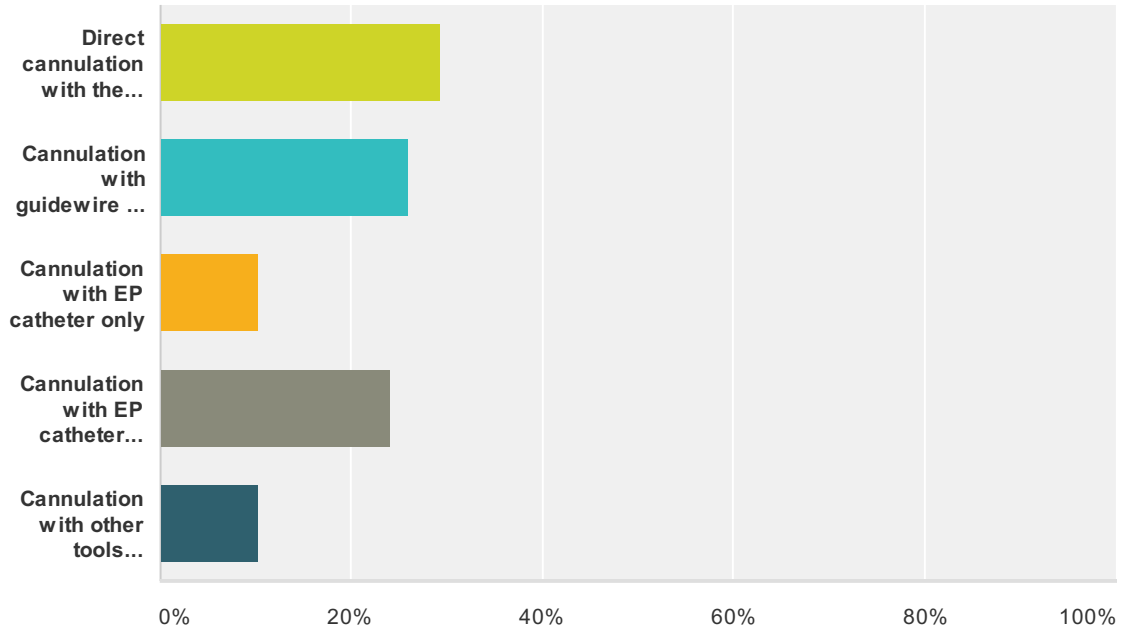
Répondues : 59 Ignorées : 4



Choix de réponses	Réponses
Apex	50,85% 30
Low septum	5,08% 3
Mid-septum	28,81% 17
High septum	11,86% 7
RVOT	3,39% 2
<b>Total</b>	<b>59</b>

### Q21 Which of the following approaches do you prefer when cannulating the CS?

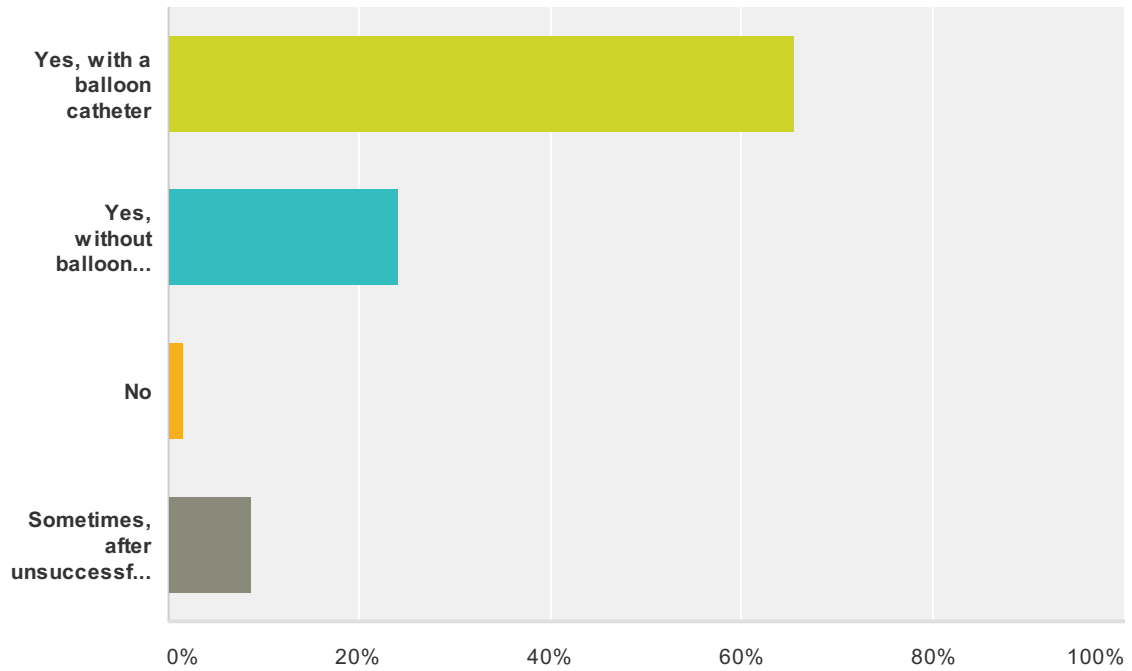
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses	
Direct cannulation with the delivery system	29,31%	17
Cannulation with guidewire and delivery system	25,86%	15
Cannulation with EP catheter only	10,34%	6
Cannulation with EP catheter premounted on the delivery system	24,14%	14
Cannulation with other tools (specify below)	10,34%	6
<b>Total</b>		<b>58</b>

### Q22 Do you perform a coronary sinus venography during CRT implant?

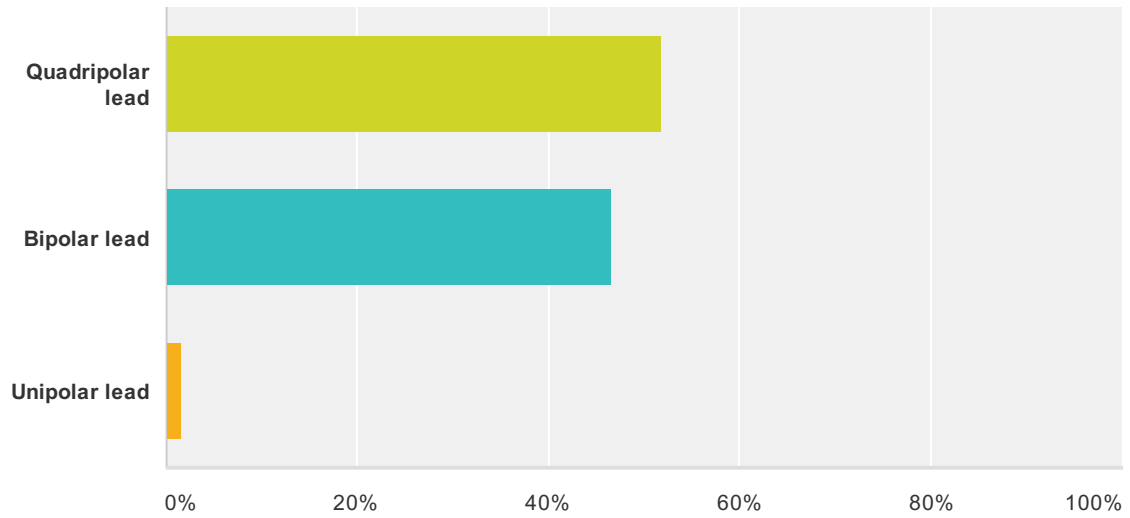
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
Yes, with a balloon catheter	65,52% 38
Yes, without balloon catheter	24,14% 14
No	1,72% 1
Sometimes, after unsuccessfull LV lead placement attempt	8,62% 5
<b>Total</b>	<b>58</b>

### Q23 When implanting a CRT-D, which kind of LV Lead is your preferred choice:

Répondues : 58 Ignorées : 5

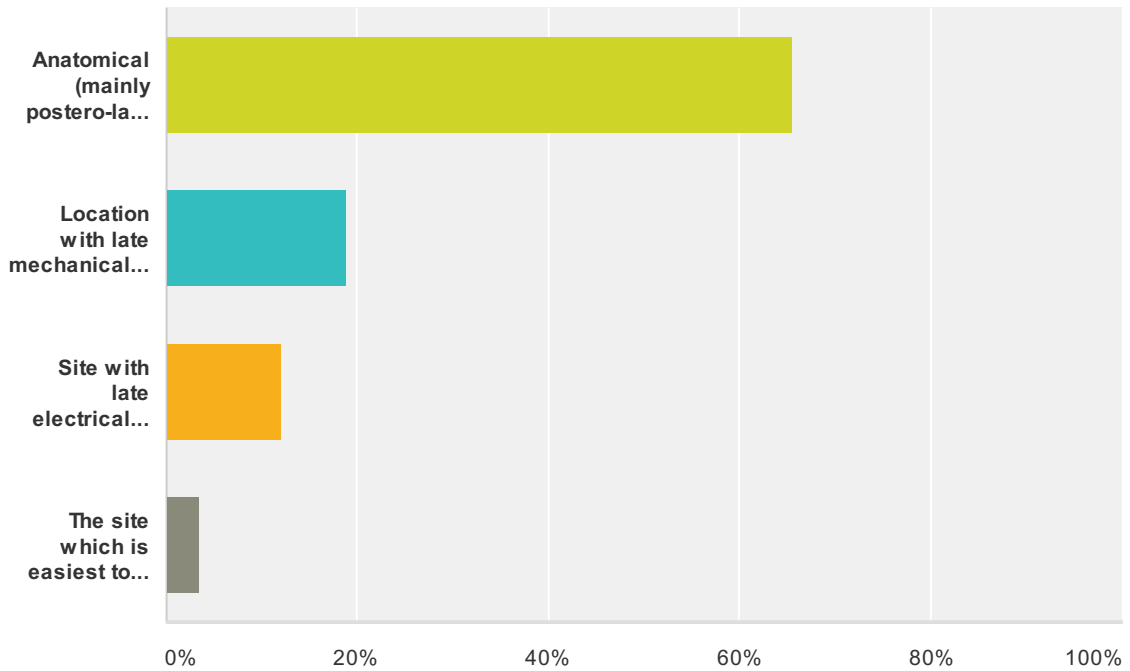


Choix de réponses	Réponses
Quadripolar lead	51,72% 30
Bipolar lead	46,55% 27
Unipolar lead	1,72% 1
<b>Total</b>	<b>58</b>



### Q24 When implanting the LV lead, what is your strategy with respect to choice of target site of the tip:

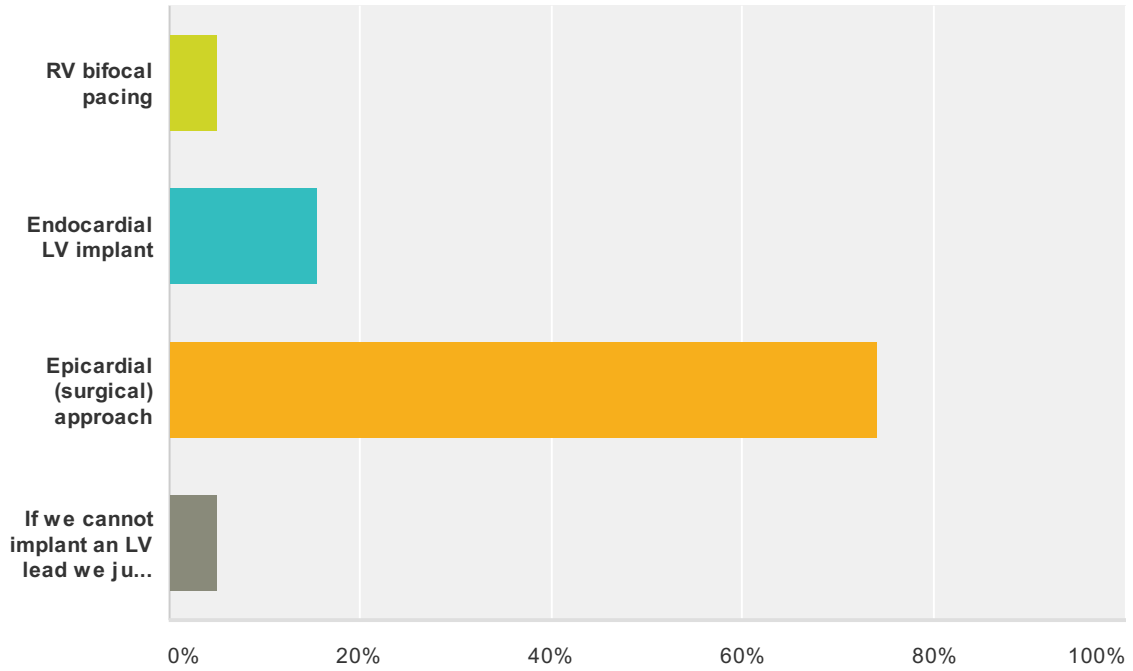
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
Anatomical (mainly postero-lateral)	65,52% 38
Location with late mechanical activation region (after echo evaluation)	18,97% 11
Site with late electrical activation	12,07% 7
The site which is easiest to achieve a stable lead position	3,45% 2
<b>Total</b>	<b>58</b>

### Q25 In case of failure of the transvenous left ventricular lead implant, which approach would you prefer?

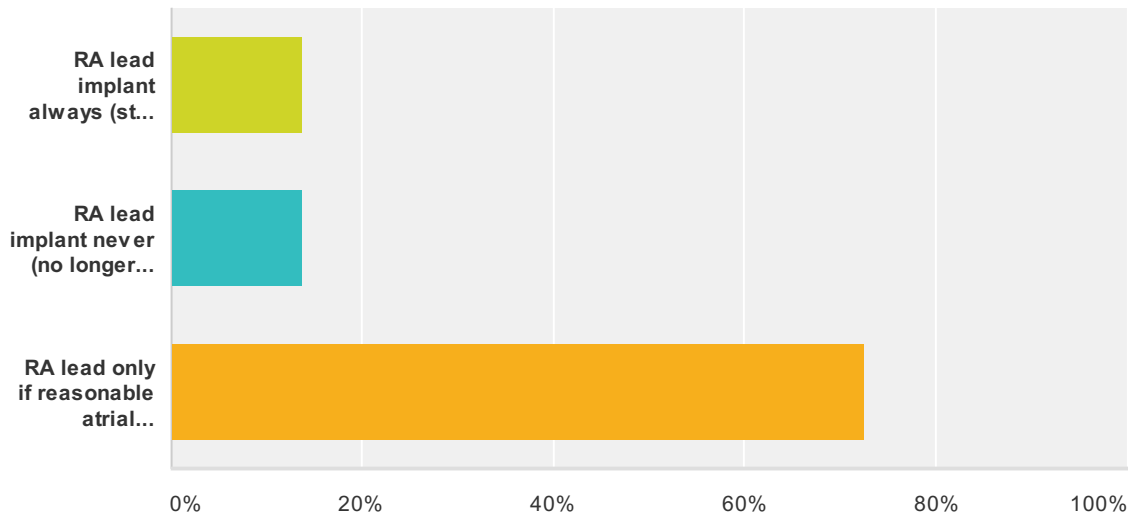
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
RV bifocal pacing	5,17% 3
Endocardial LV implant	15,52% 9
Epicardial (surgical) approach	74,14% 43
If we cannot implant an LV lead we just give the patient a system without CRT capability without further attempts	5,17% 3
<b>Total</b>	<b>58</b>

### Q26 CRT implant in patients with permanent atrial fibrillation: what about the Right Atrial (RA) lead?

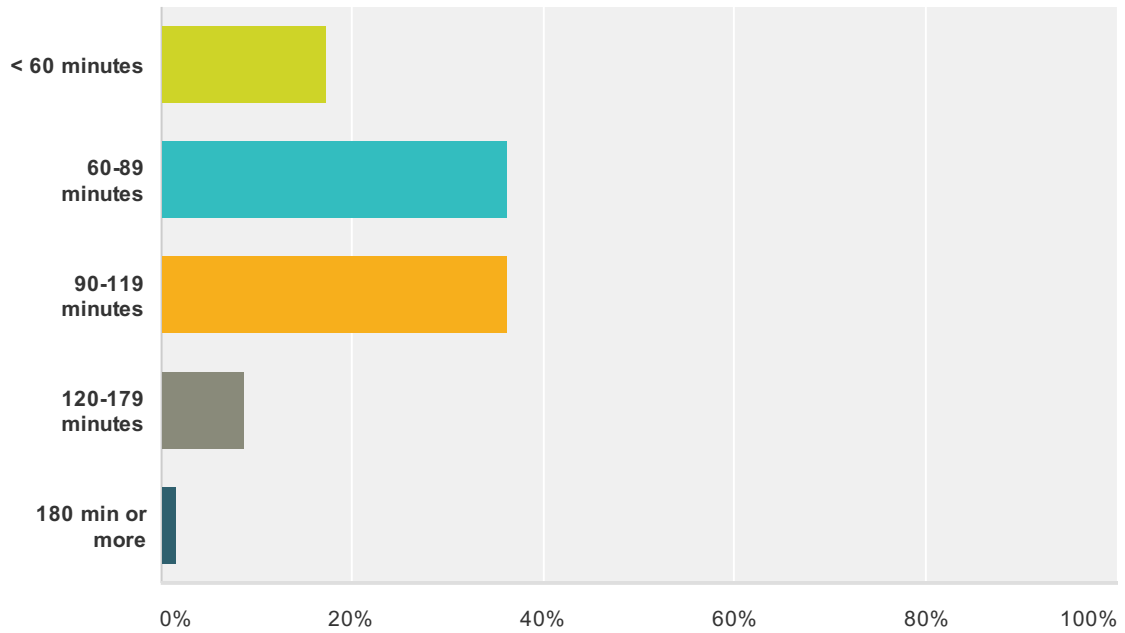
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
RA lead implant always (still a hope to resume sinus rhythm )	13,79% 8
RA lead implant never (no longer hope to resume sinus rhythm )	13,79% 8
RA lead only if reasonable atrial dimensions on echo and/or recent onset of permanent AF	72,41% 42
<b>Total</b>	<b>58</b>

### Q27 What is, in your experience, the average CRT implantation time?

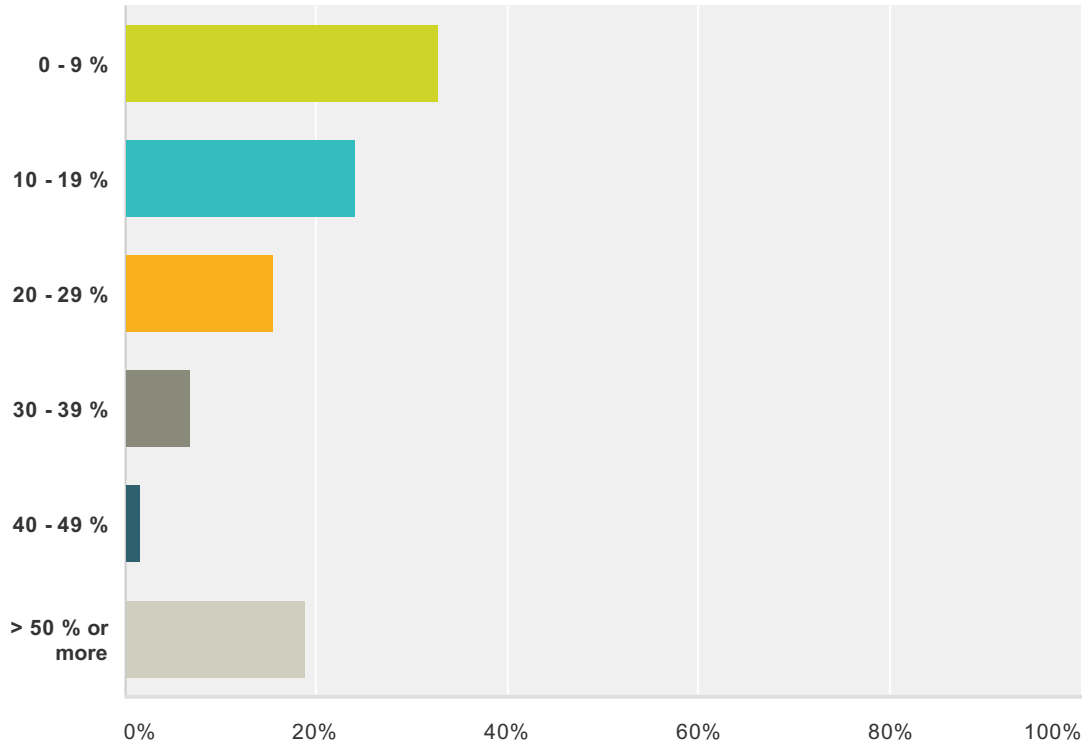
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
< 60 minutes	17,24% 10
60-89 minutes	36,21% 21
90-119 minutes	36,21% 21
120-179 minutes	8,62% 5
180 min or more	1,72% 1
<b>Total</b>	<b>58</b>

**Q28 What percentage of your patients with permanent AF who receive a CRT system will be treated with AV node ablation to improve CRT:**

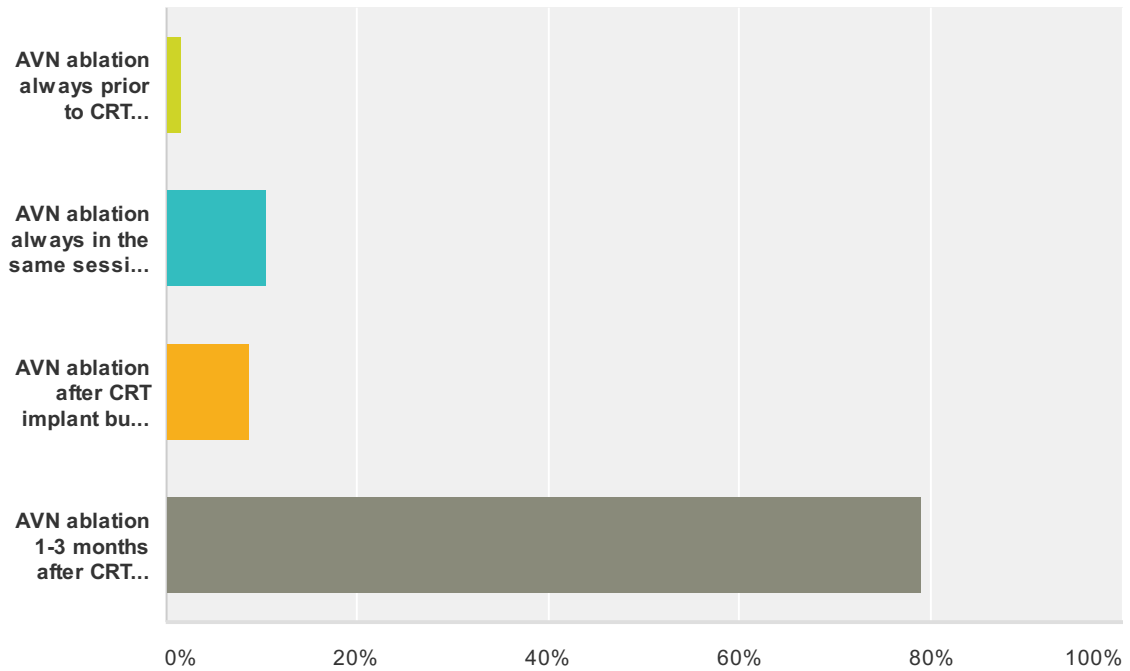
Répondues : 58 Ignorées : 5



Choix de réponses	Réponses
0 - 9 %	32,76% 19
10 - 19 %	24,14% 14
20 - 29 %	15,52% 9
30 - 39 %	6,90% 4
40 - 49 %	1,72% 1
> 50 % or more	18,97% 11
<b>Total</b>	<b>58</b>

### Q29 When you decide to perform AV nodal ablation in CRT patients with permanent atrial fibrillation the strategy is:

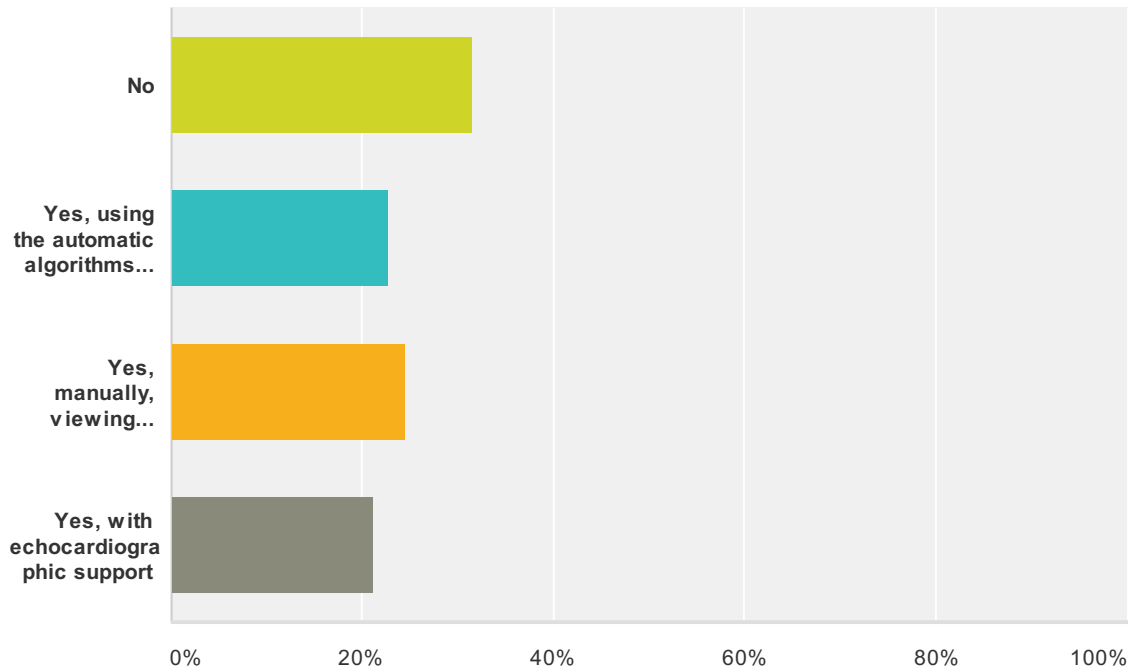
Répondues : 57 Ignorées : 6



Choix de réponses	Réponses
AVN ablation always prior to CRT implant	1,75% 1
AVN ablation always in the same session of CRT implant	10,53% 6
AVN ablation after CRT implant but during the same hospitalization	8,77% 5
AVN ablation 1-3 months after CRT implant	78,95% 45
<b>Total</b>	<b>57</b>

### Q30 At the end of the implantation of a CRT device, do you usually perform an optimization of AV and VV intervals?

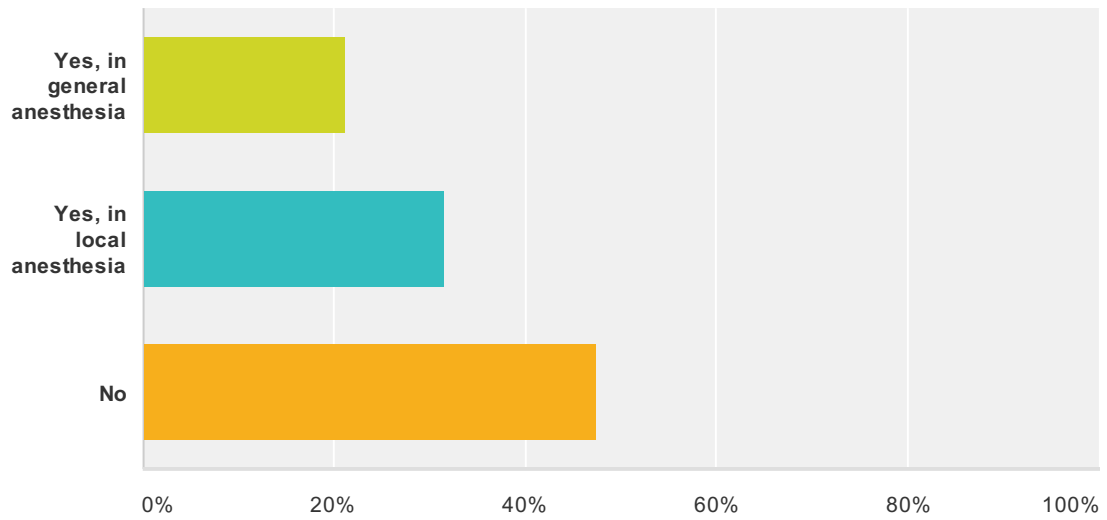
Répondues : 57 Ignorées : 6



Choix de réponses	Réponses
No	31,58% 18
Yes, using the automatic algorithms of the device	22,81% 13
Yes, manually, viewing different morphology and QRS width on ECG	24,56% 14
Yes, with echocardiographic support	21,05% 12
<b>Total</b>	<b>57</b>

### Q31 Do you implant subcutaneous ICD:

Répondues : 57 Ignorées : 6



Choix de réponses	Réponses	
Yes, in general anesthesia	21,05%	12
Yes, in local anesthesia	31,58%	18
No	47,37%	27
<b>Total</b>		<b>57</b>