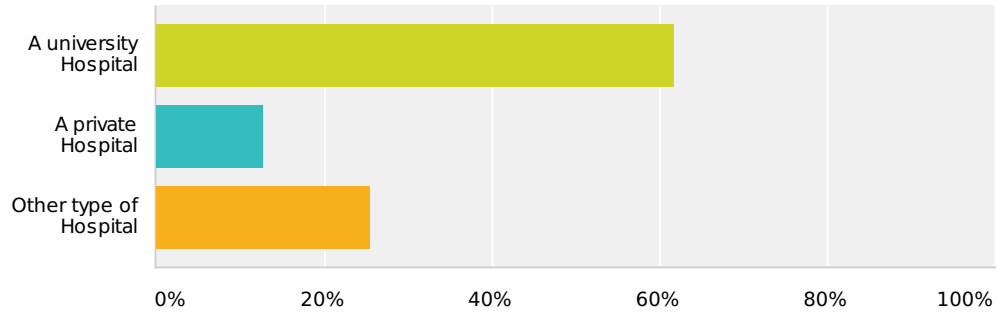


**Q1 In which country is your centre based?**

Answered: 48 Skipped: 0

## Q2 Is your institution :

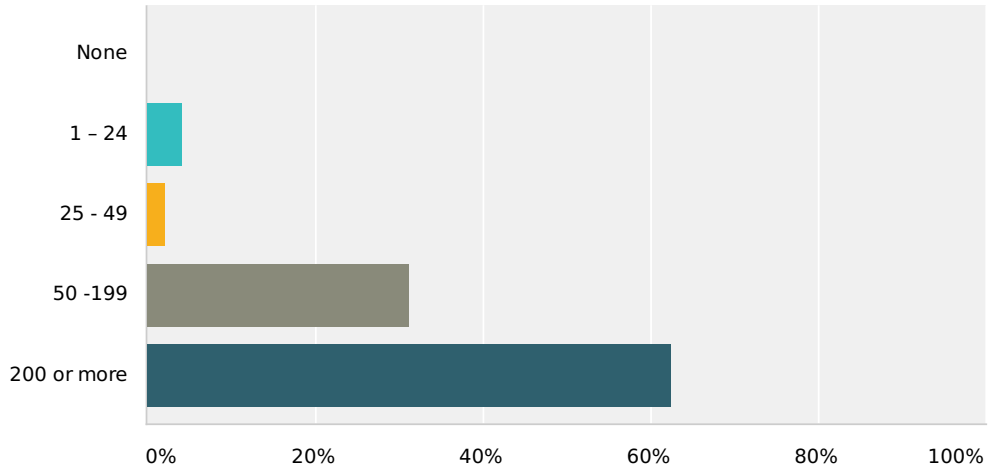
Answered: 47 Skipped: 1



Answer Choices	Responses
<b>A university Hospital</b>	<b>61.70%</b> 29
<b>A private Hospital</b>	<b>12.77%</b> 6
<b>Other type of Hospital</b>	<b>25.53%</b> 12
Total	47

### Q3 Number of Pacemaker implantations (Including CRT-Ps) at your institution (including box changes) last calendar year :

Answered: 48 Skipped: 0



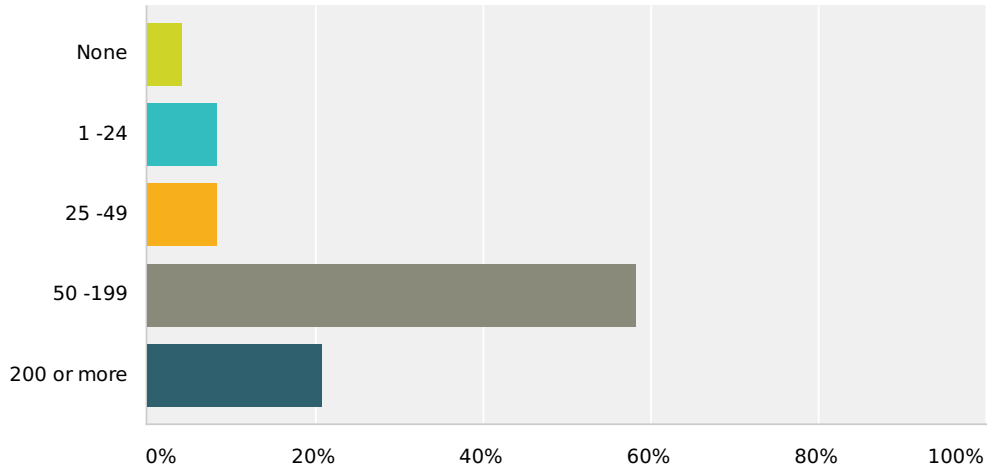
Answer Choices	Responses	
<b>None</b>	<b>0%</b>	0
<b>1 - 24</b>	<b>4.17%</b>	2
<b>25 - 49</b>	<b>2.08%</b>	1
<b>50 -199</b>	<b>31.25%</b>	15
<b>200 or more</b>	<b>62.50%</b>	30
Total		48

**Q4 What percentage of your  
pacemaker implants receive CRT-P ?**

Answered: 48 Skipped: 0

### Q5 Number of ICD implantations (Including CRT-Ds) at your institution (including box changes) last calendar year :

Answered: 48 Skipped: 0



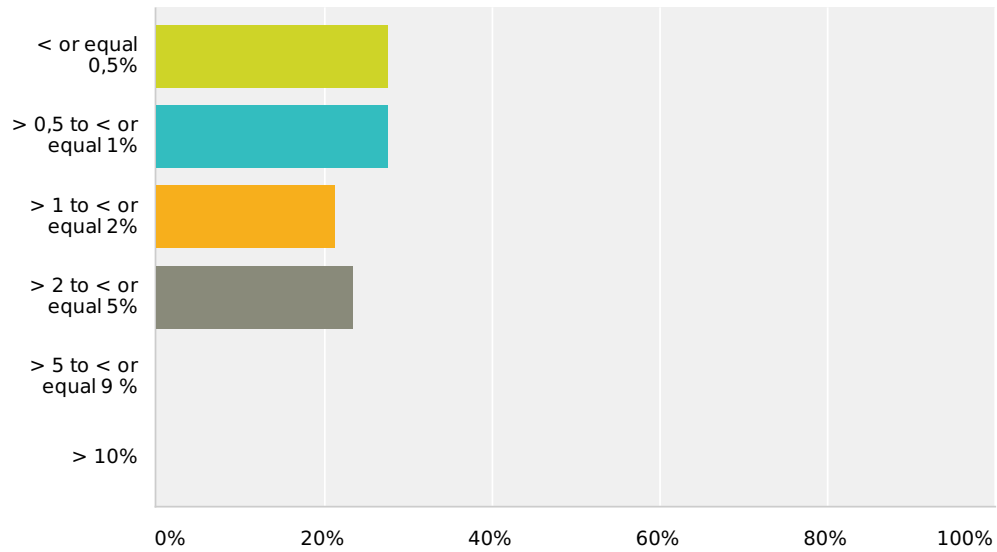
Answer Choices	Responses	
<b>None</b>	<b>4.17%</b>	2
<b>1 -24</b>	<b>8.33%</b>	4
<b>25 -49</b>	<b>8.33%</b>	4
<b>50 -199</b>	<b>58.33%</b>	28
<b>200 or more</b>	<b>20.83%</b>	10
Total		48

**Q6 What percentage of ICD Implants receive CRT-D**

Answered: 48 Skipped: 0

### Q7 What is the estimated incidence of CIED infections at your Centre in 2011?

Answered: 47 Skipped: 1



Answer Choices	Responses	Count
< or equal 0,5%	27.66%	13
> 0,5 to < or equal 1%	27.66%	13
> 1 to < or equal 2%	21.28%	10
> 2 to < or equal 5%	23.40%	11
> 5 to < or equal 9 %	0%	0
> 10%	0%	0
Total		47

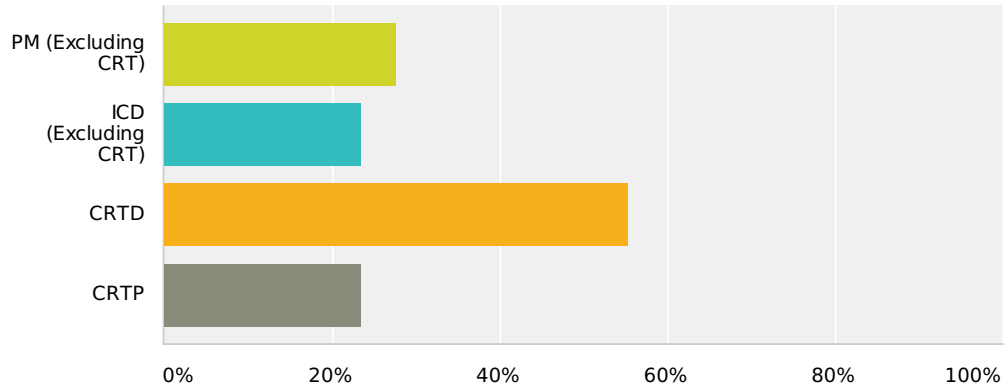
**Q8 What was the estimated  
incidence of CIED infections at your  
Centre in 2010?**

Answered: 47 Skipped: 1



### Q9 Which kind of devices is associated with higher incidence of infection?

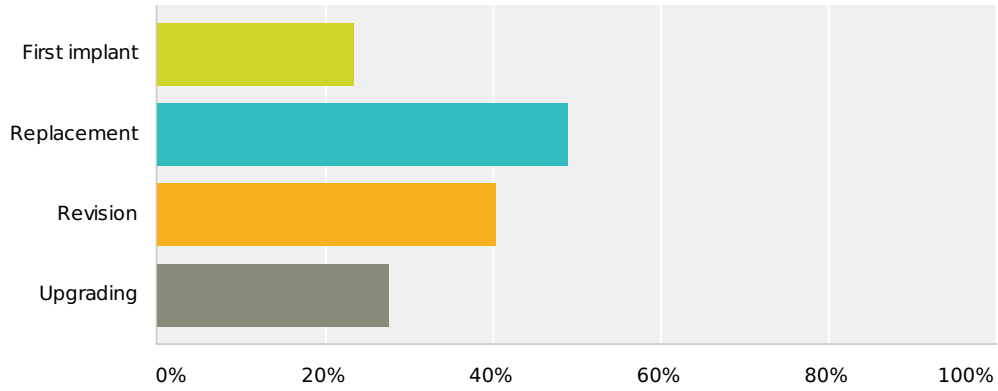
Answered: 47 Skipped: 1



Answer Choices	Responses
<b>PM (Excluding CRT)</b>	<b>27.66%</b> 13
<b>ICD (Excluding CRT)</b>	<b>23.40%</b> 11
<b>CRTD</b>	<b>55.32%</b> 26
<b>CRTP</b>	<b>23.40%</b> 11
Total Respondents: 47	

### Q10 Which kind of intervention is associated with higher incidence infection?

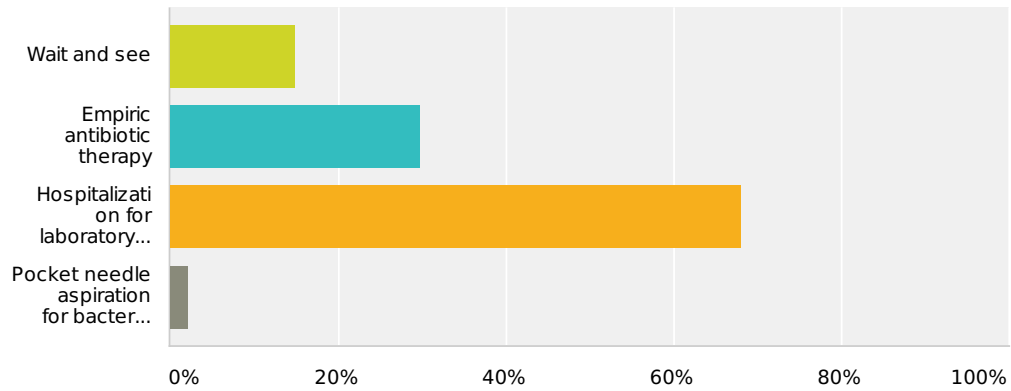
Answered: 47 Skipped: 1



Answer Choices	Responses
<b>First implant</b>	<b>23.40%</b> 11
<b>Replacement</b>	<b>48.94%</b> 23
<b>Revision</b>	<b>40.43%</b> 19
<b>Upgrading</b>	<b>27.66%</b> 13
Total Respondents: 47	

### Q11 In presence of pain, swelling and erythema at the site of device pocket how do you proceed?

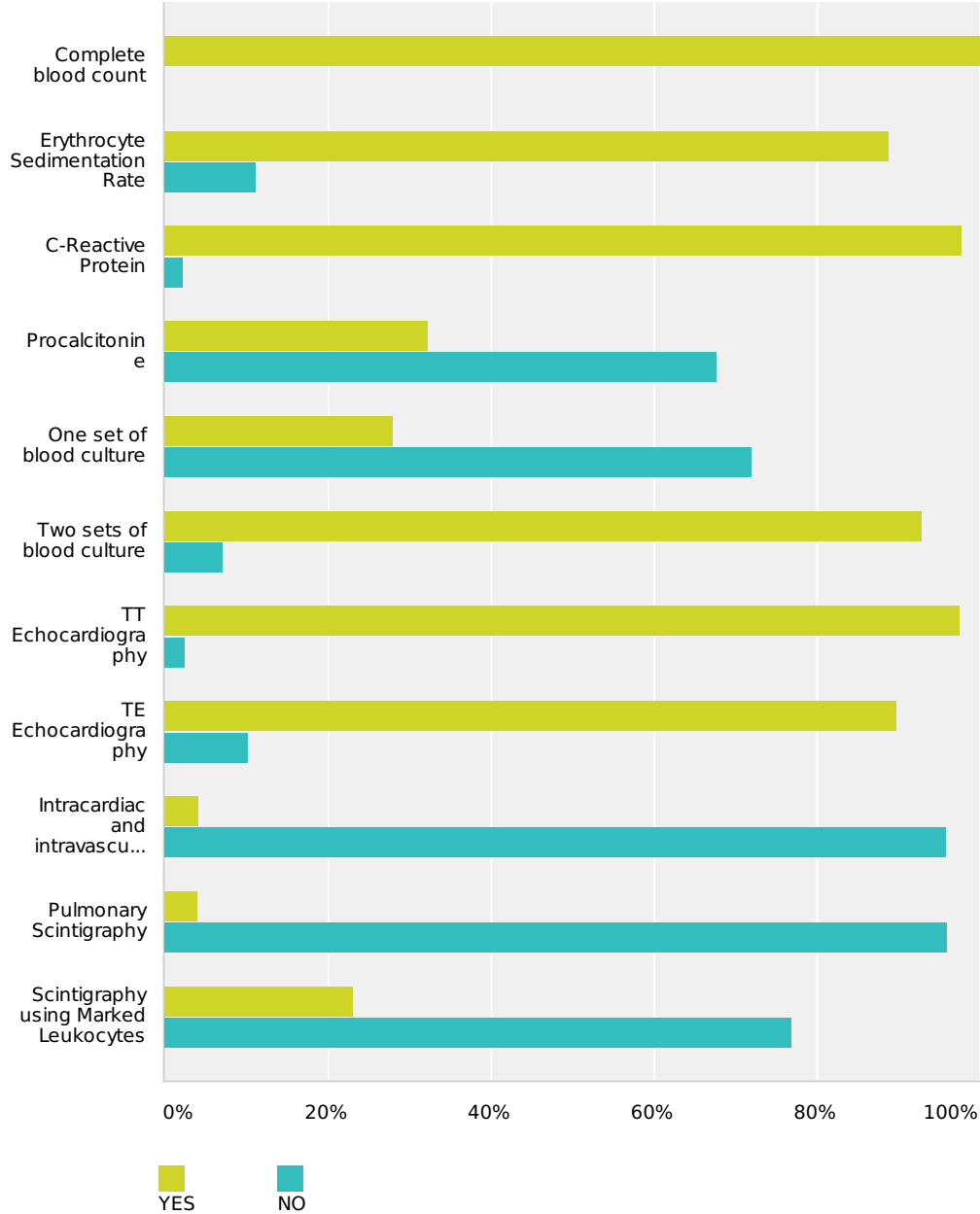
Answered: 47 Skipped: 1



Answer Choices	Responses
<b>Wait and see</b>	<b>14.89%</b> 7
<b>Empiric antibiotic therapy</b>	<b>29.79%</b> 14
<b>Hospitalization for laboratory tests, echocardiogram and adequate treatment</b>	<b>68.09%</b> 32
<b>Pocket needle aspiration for bacterial culture</b>	<b>2.13%</b> 1
Total Respondents: 47	
Other (please specify) ( 4 )	

### Q12 In presence of suspected systemic infection and absence of local signs which kind of tests do you perform? (One or more alternatives)

Answered: 47 Skipped: 1



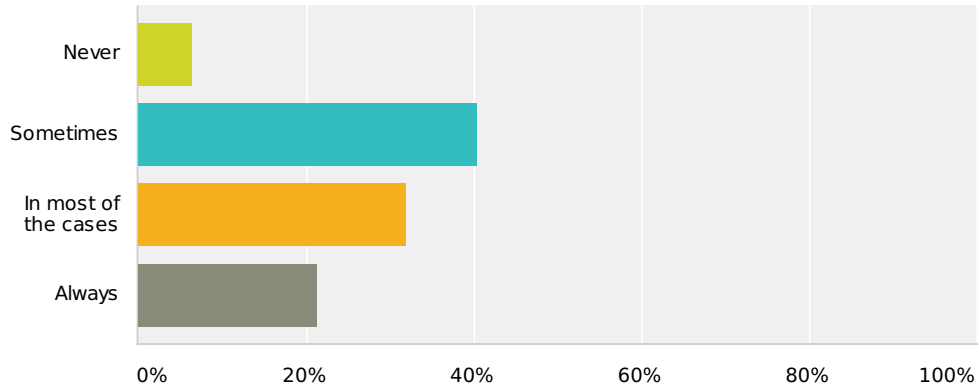
	YES	NO	Total
<b>Complete blood count</b>	100% 47	0% 0	47
<b>Erythrocyte Sedimentation Rate</b>	88.89% 32	11.11% 4	36
<b>C-Reactive Protein</b>	97.78% 44	2.22% 1	45
<b>Procalcitonine</b>	32.26% 10	67.74% 21	31

EP WIRE - INFECTIONS AND CIED (Cardiac Implantable Electronic Devices)

<b>One set of blood culture</b>	<b>28.00%</b> 7	<b>72%</b> 18	25
<b>Two sets of blood culture</b>	<b>92.86%</b> 39	<b>7.14%</b> 3	42
<b>TT Echocardiography</b>	<b>97.50%</b> 39	<b>2.50%</b> 1	40
<b>TE Echocardiography</b>	<b>89.74%</b> 35	<b>10.26%</b> 4	39
<b>Intracardiac and intravascular echocardiography</b>	<b>4.17%</b> 1	<b>95.83%</b> 23	24
<b>Pulmonary Scintigraphy</b>	<b>4%</b> 1	<b>96%</b> 24	25
<b>Scintigraphy using Marked Leukocytes</b>	<b>23.08%</b> 6	<b>76.92%</b> 20	26

### Q13 Do you usually consult an infectious disease specialist to diagnose and treat CIED's infections

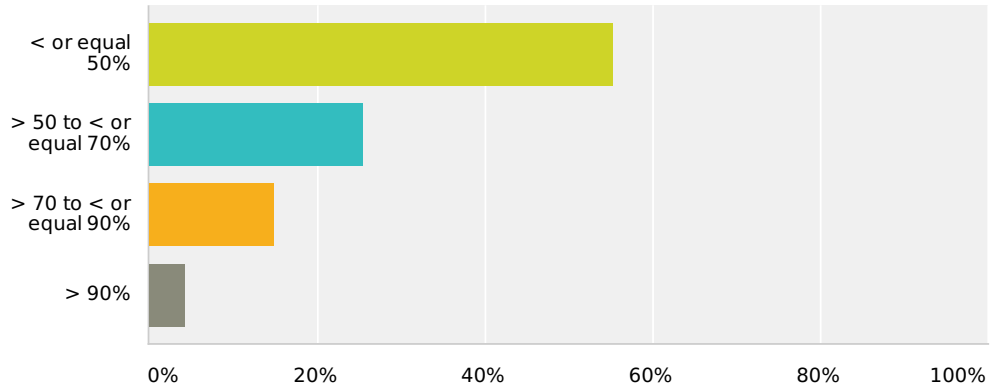
Answered: 47 Skipped: 1



Answer Choices	Responses
<b>Never</b>	<b>6.38%</b> 3
<b>Sometimes</b>	<b>40.43%</b> 19
<b>In most of the cases</b>	<b>31.91%</b> 15
<b>Always</b>	<b>21.28%</b> 10
Total	47

### Q14 In case of systemic CIED's infections, what is the estimated incidence of positive blood culture in your Center?

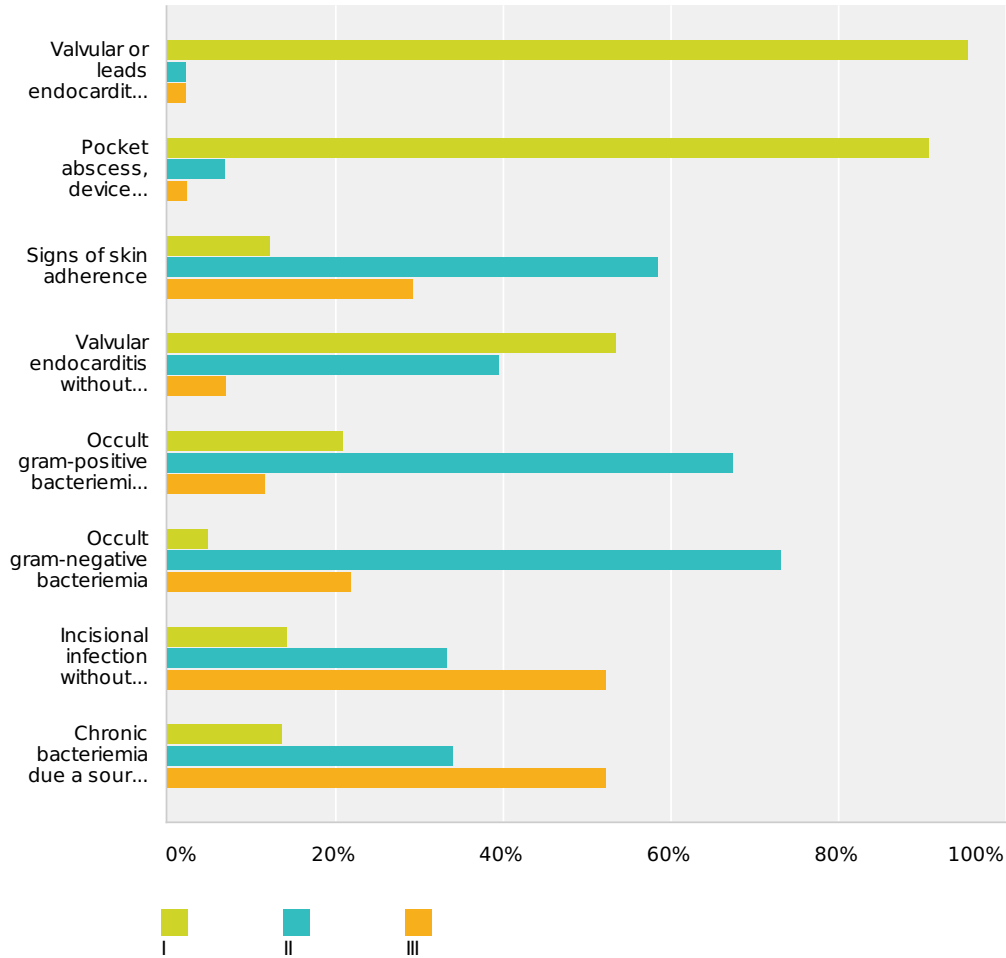
Answered: 47 Skipped: 1



Answer Choices	Responses	
< or equal 50%	55.32%	26
> 50 to < or equal 70%	25.53%	12
> 70 to < or equal 90%	14.89%	7
> 90%	4.26%	2
Total		47

### Q15 When is complete hardware removal (Device + Leads) indicated as curative therapy?: (Choose the Class of indication I - II - III)

Answered: 46 Skipped: 2



	I	II	III	Total
<b>Valvular or leads endocarditis, or sepsis</b>	<b>95.56%</b> 43	<b>2.22%</b> 1	<b>2.22%</b> 1	45
<b>Pocket abscess, device erosion or chronic draining sinus</b>	<b>90.91%</b> 40	<b>6.82%</b> 3	<b>2.27%</b> 1	44
<b>Signs of skin adherence</b>	<b>12.20%</b> 5	<b>58.54%</b> 24	<b>29.27%</b> 12	41
<b>Valvular endocarditis without definite lead(s) involvement</b>	<b>53.49%</b> 23	<b>39.53%</b> 17	<b>6.98%</b> 3	43
<b>Occult gram-positive bacteriemia (not contaminant)</b>	<b>20.93%</b> 9	<b>67.44%</b> 29	<b>11.63%</b> 5	43
<b>Occult gram-negative bacteriemia</b>	<b>4.88%</b> 2	<b>73.17%</b> 30	<b>21.95%</b> 9	41
<b>Incisional infection without device and/or leads involvement</b>	<b>14.29%</b> 6	<b>33.33%</b> 14	<b>52.38%</b> 22	42

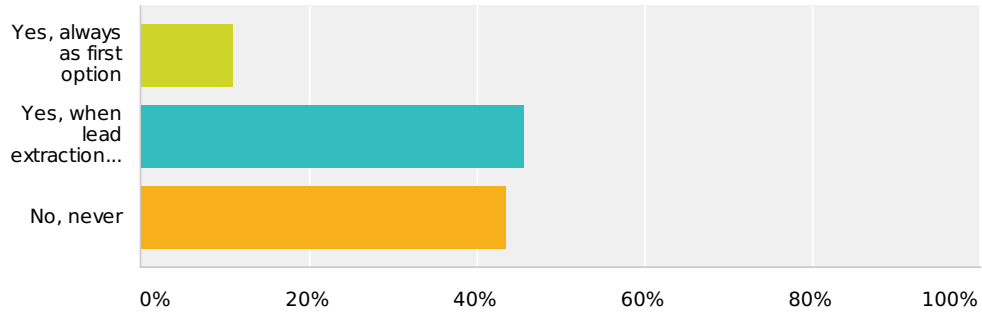


EP WIRE - INFECTIONS AND CIED (Cardiac Implantable Electronic Devices)

<b>Chronic bacteriemia due a source other than the CIED</b>	<b>13.64%</b> 6	<b>34.09%</b> 15	<b>52.27%</b> 23	44

### Q16 In case of local infection do you use a conservative treatment strategy i.e. local debridement and new pocket formation?

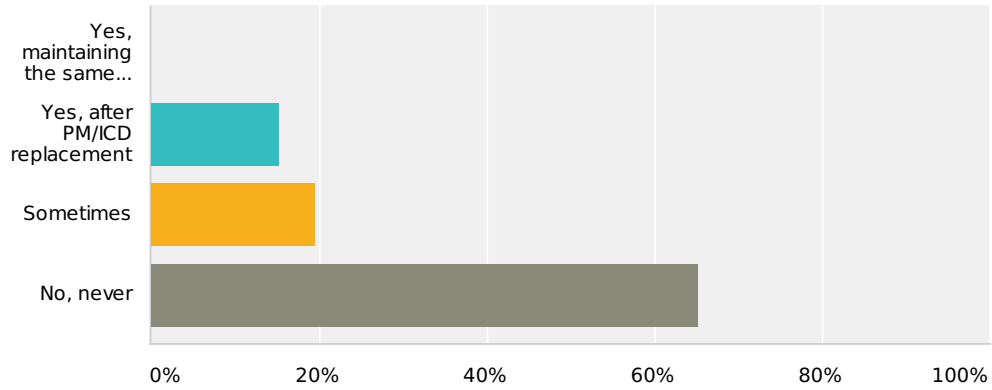
Answered: 46 Skipped: 2



Answer Choices	Responses
<b>Yes, always as first option</b>	<b>10.87%</b> 5
<b>Yes, when lead extraction is at high risk</b>	<b>45.65%</b> 21
<b>No, never</b>	<b>43.48%</b> 20
Total	46

### Q17 In case of CIEDs infection, as conservative treatment, do you perform a pocket irrigation with antiseptic/antibiotics?

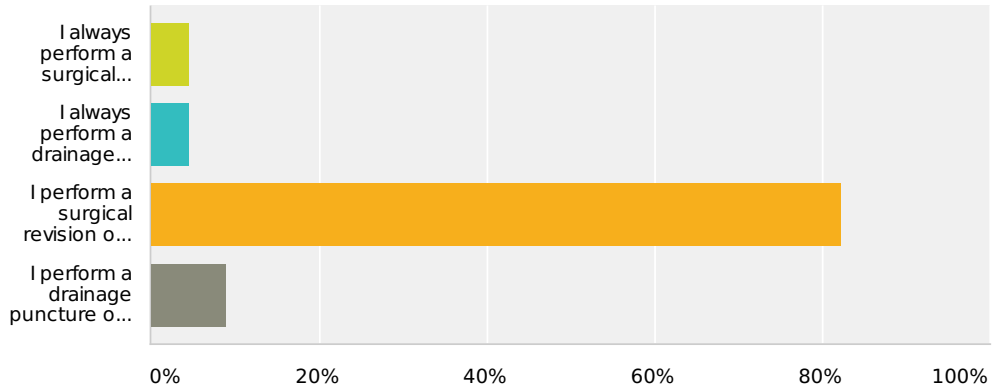
Answered: 46 Skipped: 2



Answer Choices	Responses
<b>Yes, maintaining the same device</b>	<b>0%</b> 0
<b>Yes, after PM/ICD replacement</b>	<b>15.22%</b> 7
<b>Sometimes</b>	<b>19.57%</b> 9
<b>No, never</b>	<b>65.22%</b> 30
Total	46

## Q18 How do you manage pocket hematoma after CIED intervention?

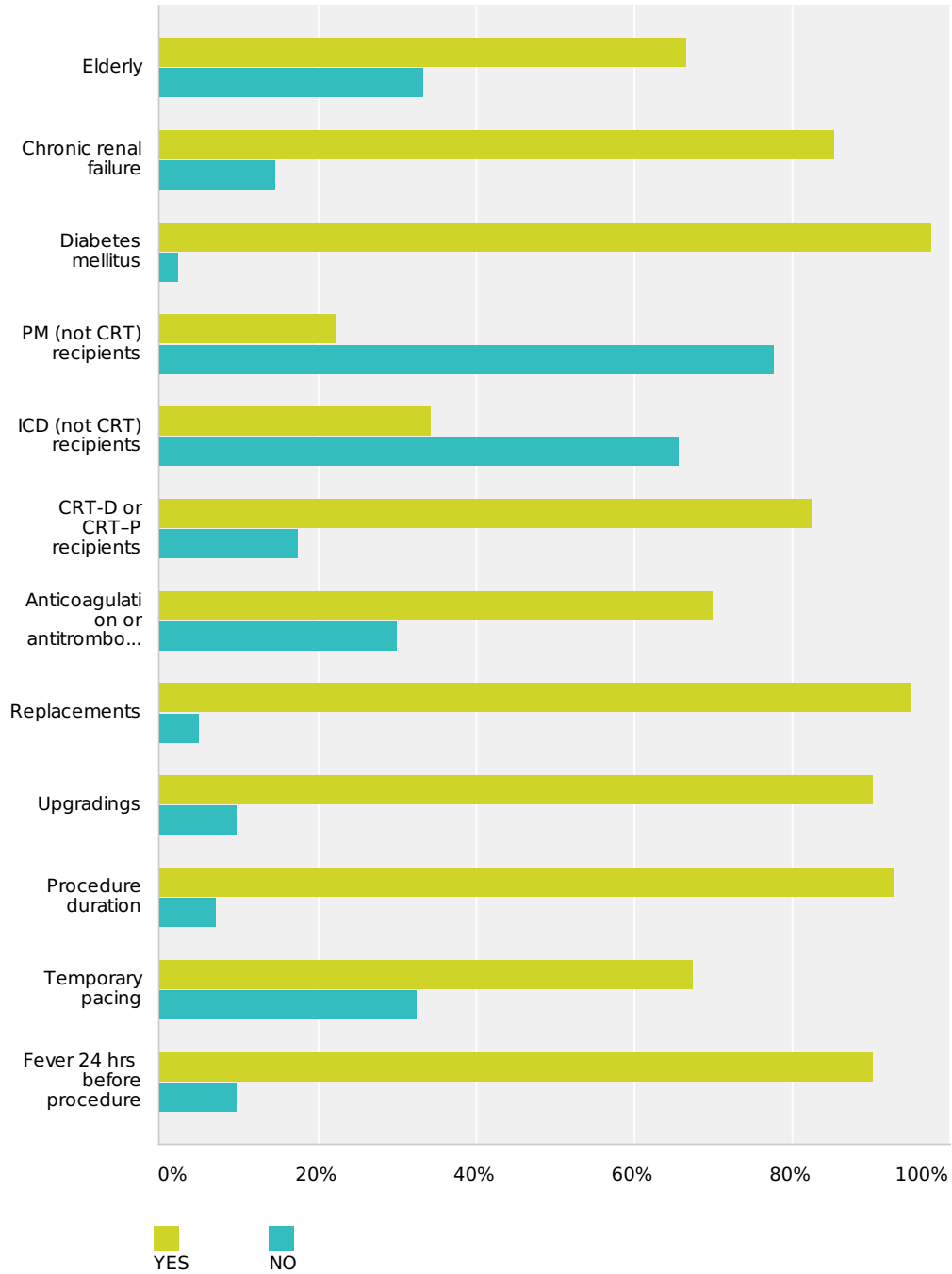
Answered: 45 Skipped: 3



Answer Choices	Responses
<b>I always perform a surgical revision.</b>	<b>4.44%</b> 2
<b>I always perform a drainage puncture.</b>	<b>4.44%</b> 2
<b>I perform a surgical revision only in case of tense and painful hematoma.</b>	<b>82.22%</b> 37
<b>I perform a drainage puncture only in case of tense and painful hematoma</b>	<b>8.89%</b> 4
Total	45

### Q19 Which of the following do you consider as risk factors for CIED's infection ?

Answered: 45 Skipped: 3



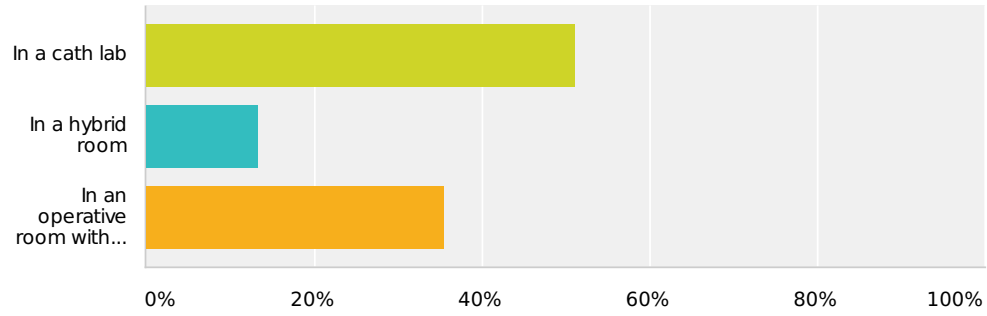
	YES	NO	Total
<b>Elderly</b>	<b>66.67%</b> 28	<b>33.33%</b> 14	42
<b>Chronic renal failure</b>	<b>85.37%</b> 35	<b>14.63%</b> 6	41
<b>Diabetes mellitus</b>	<b>97.62%</b> 41	<b>2.38%</b> 1	42

EP WIRE - INFECTIONS AND CIED (Cardiac Implantable Electronic Devices)

<b>PM (not CRT) recipients</b>	<b>22.22%</b> 8	<b>77.78%</b> 28	36
<b>ICD (not CRT) recipients</b>	<b>34.29%</b> 12	<b>65.71%</b> 23	35
<b>CRT-D or CRT-P recipients</b>	<b>82.50%</b> 33	<b>17.50%</b> 7	40
<b>Anticoagulation or antitrombotic therapy</b>	<b>70%</b> 28	<b>30%</b> 12	40
<b>Replacements</b>	<b>95%</b> 38	<b>5%</b> 2	40
<b>Upgradings</b>	<b>90.24%</b> 37	<b>9.76%</b> 4	41
<b>Procedure duration</b>	<b>92.86%</b> 39	<b>7.14%</b> 3	42
<b>Temporary pacing</b>	<b>67.50%</b> 27	<b>32.50%</b> 13	40
<b>Fever 24 hrs before procedure</b>	<b>90.24%</b> 37	<b>9.76%</b> 4	41

## Q20 Where do you perform CIED implantations?

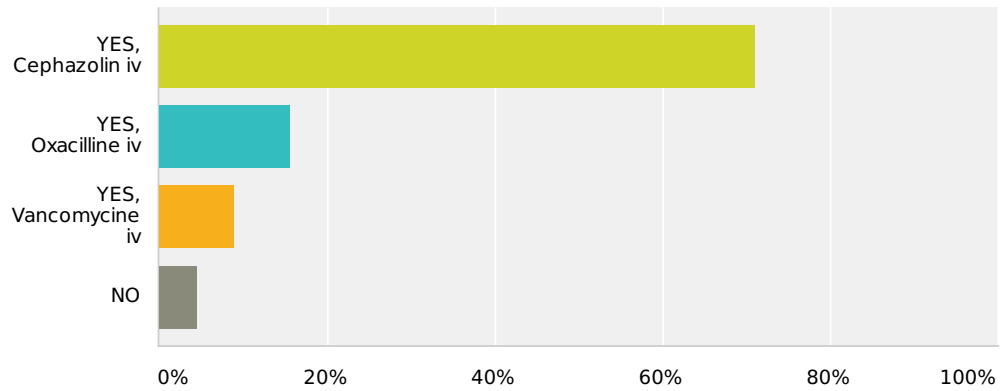
Answered: 45 Skipped: 3



Answer Choices	Responses	
<b>In a cath lab</b>	<b>51.11%</b>	23
<b>In a hybrid room</b>	<b>13.33%</b>	6
<b>In an operative room with ventilation</b>	<b>35.56%</b>	16
Total		45
Other (please specify) ( 2 )		

## Q21 Do you prescribe perioperative antibiotic treatment when you implant?

Answered: 45 Skipped: 3

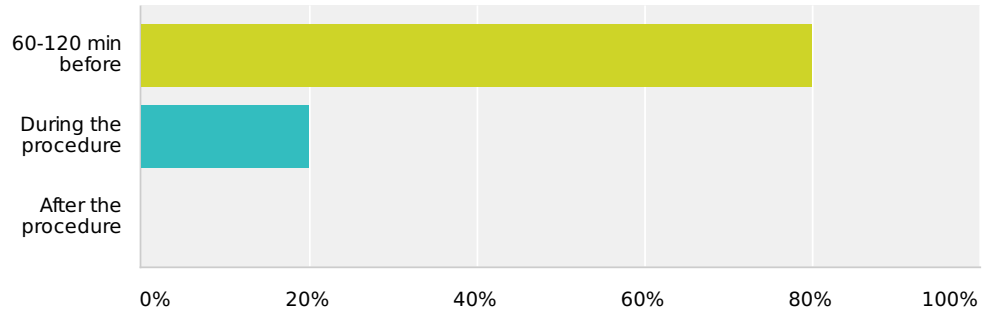


Answer Choices	Responses
<b>YES, Cephazolin iv</b>	<b>71.11%</b> 32
<b>YES, Oxacilline iv</b>	<b>15.56%</b> 7
<b>YES, Vancomycine iv</b>	<b>8.89%</b> 4
<b>NO</b>	<b>4.44%</b> 2
Total	45



## Q22 If YES, when do you start the antibiotic treatment?

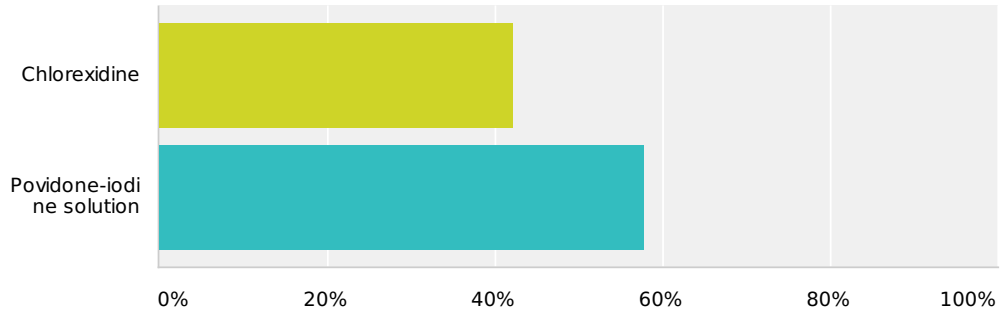
Answered: 45 Skipped: 3



Answer Choices	Responses	
<b>60-120 min before</b>	<b>80%</b>	36
<b>During the procedure</b>	<b>20%</b>	9
<b>After the procedure</b>	<b>0%</b>	0
Total		45

### Q23 Which kind of skin antiseptis do you perform?

Answered: 45 Skipped: 3



Answer Choices	Responses
<b>Chlorexidine</b>	<b>42.22%</b> 19
<b>Povidone-iodine solution</b>	<b>57.78%</b> 26
Total	45
Other (please specify) ( 1 )	