



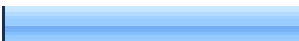
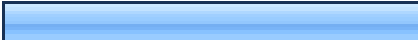
EP Wire Survey on Transvenous Lead Extraction

1. Do you have experience of TRANSVENOUS LEAD EXTRACTION in pediatric patients?

		Response Percent	Response Count
Yes		27.0%	24
No		73.0%	65
		answered question	89
		skipped question	6

EP Wire Survey on Transvenous Lead Extraction

2. Do you have experience of Transvenous Lead Extraction in congenital heart disease patients?

		Response Percent	Response Count
Yes		41.6%	37
No		58.4%	52
		answered question	89
		skipped question	6






EP Wire Survey on Transvenous Lead Extraction

4. Number of PATIENTS treated with TLE at your centre in 2011

	Response Average	Response Total	Response Count
- PM Patients (SSI/R - DDD/R) (except CRTP):	18.33	1,540	84
- ICD Patients (VR + DR) (except CRTD) :	16.39	1,360	83
- CRT Patients (P and D) :	7.93	634	80
	answered question		84
	skipped question		11

EP Wire Survey on Transvenous Lead Extraction

6. Number of Transvenously EXTRACTED LEADS at your centre in 2011

		Response Percent	Response Count
- RA Pacing leads		96.3%	78
- RV Pacing leads		98.8%	80
- Coronary Sinus Pacing leads		92.6%	75
- ICD leads		96.3%	78
- Free floating leads		76.5%	62
answered question			81
skipped question			14





EP Wire Survey on Transvenous Lead Extraction

7. INDICATIONS for TRANSVENOUS LEAD EXTRACTION in your centre :

	Response Average	Response Total	Response Count
- Systemic infection in %	27.48	2,308	84
- Local infection in %	38.79	3,181	82
- Other indications (non infective) in %	31.40	2,606	83
	answered question		88
	skipped question		7


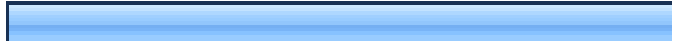


EP Wire Survey on Transvenous Lead Extraction

8. Do you try to explant ALL REDUNDANT leads with manual traction before abandonment in absence of infection?

		Response Percent	Response Count
No		21.6%	19
Yes, always		38.6%	34
Yes, but only if implanted for less than 1 year		33.0%	29
Yes, but only if implanted for less than 6 months		6.8%	6
		answered question	88
		skipped question	7


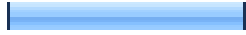

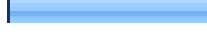

EP Wire Survey on Transvenous Lead Extraction

9. Do you routinely perform TEE in cases of SYSTEMIC INFECTION?

		Response Percent	Response Count
No		3.4%	3
Yes		86.4%	76
Yes, in case of negative TT Echo		5.7%	5
Yes, in case of positive TT Echo		4.5%	4
answered question			88
skipped question			7




EP Wire Survey on Transvenous Lead Extraction

10. WHERE are TLE PROCEDURES most commonly performed in your centre?

		Response Percent	Response Count
- Cathlab with surgeon identified		25.0%	22
- Cathlab with cardiosurgery standby but without a surgeon specifically identified		29.5%	26
- Hybrid room		13.6%	12
- Operating theatre with the patient prepared for sternotomy		25.0%	22
- Cathlab in a hospital without a cardiac surgery		6.8%	6
		answered question	88
		skipped question	7

EP Wire Survey on Transvenous Lead Extraction

11. WHO is most often the FIRST OPERATOR in TLE in your centre?

		Response Percent	Response Count
- Cardiologist		86.2%	75
- Cardiothoracic Surgeon		10.3%	9
- Other		3.4%	3
	Other (Explain)		4
answered question			87
skipped question			8

EP Wire Survey on Transvenous Lead Extraction

12. In your experience, which leads are EASIER to extract?

	YES	Possibly	No	Response Count
A) RA Active Fixation Leads easier than RA Passive fixation leads	77.0% (67)	19.5% (17)	3.4% (3)	87
B) RV Active Fixation Leads easier than RV Passive fixation leads	77.9% (67)	18.6% (16)	3.5% (3)	86
C) RA Leads easier than RV Leads	45.9% (39)	27.1% (23)	27.1% (23)	85
D) RV Leads easier than ICD Leads	59.3% (51)	22.1% (19)	18.6% (16)	86
E) LV Leads easier than other Leads	62.1% (54)	33.3% (29)	4.6% (4)	87
F) Infected Leads easier than Malfunctioning Leads	50.6% (44)	32.2% (28)	17.2% (15)	87
			answered question	87
			skipped question	8

EP Wire Survey on Transvenous Lead Extraction

13. In your experience, which Leads are HIGHER RISK to extract?

	Yes	Possibly	No	Response Count
A) RA Passive Fixation higher risk than RA Active Fixation	52.9% (46)	36.8% (32)	10.3% (9)	87
B) RV Passive Fixation higher risk than RV Active Fixation	50.6% (44)	40.2% (35)	9.2% (8)	87
C) RV Leads higher risk than RA Leads	32.2% (28)	20.7% (18)	47.1% (41)	87
D) ICD Leads higher risk than RV Leads	61.6% (53)	23.3% (20)	15.1% (13)	86
E) RV ICD Leads higher risk than LV Leads	68.6% (59)	19.8% (17)	11.6% (10)	86
F) Malfunctioning Leads higher risk than Infected Leads	42.4% (36)	37.6% (32)	20.0% (17)	85
			answered question	87
			skipped question	8

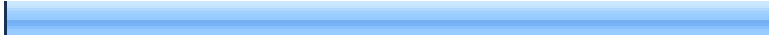


EP Wire Survey on Transvenous Lead Extraction

14. Which of the following ICD Lead characteristics do you think may FACILITATE EXTRACTION?

	Yes	Possibly	No	Response Count
- Single shock coil versus dual shock coil	81.6% (71)	12.6% (11)	5.7% (5)	87
- Gore around shock coil	51.7% (45)	42.5% (37)	5.7% (5)	87
- Active fixation as opposed to passive fixation	73.3% (63)	22.1% (19)	4.7% (4)	86
- Smaller diameter as opposed to bigger diameter (Fr)	29.9% (26)	43.7% (38)	26.4% (23)	87
			answered question	87
			skipped question	8





EP Wire Survey on Transvenous Lead Extraction

15. In your experience, what is the **SUCCESS RATE** (radiological) of Transvenous Lead Extraction?

		Response Percent	Response Count
Complete (Total) in %		100.0%	74
Partial (Less than 4 cms) in %		89.2%	68
Failure in %		91.8%	68
		answered question	74
		skipped question	21

EP Wire Survey on Transvenous Lead Extraction

16. In your experience, what is the incidence of following MAJOR COMPLICATIONS (Death, Cardiac or vascular avulsion or tears requiring surgical intervention or pericardiocentesis or chest tube, Pulmonary embolism requiring surgical intervention, Respiratory arrest or anesthesia related complications, Stroke, Pacing system related infection of a previously not infected site) in TLE Lead extraction procedure?

		Response Percent	Response Count
- Less than 1%		62.1%	54
- 1 - 2%		26.4%	23
- 2 - 5%		9.2%	8
- > 5%		2.3%	2
answered question			87
skipped question			8


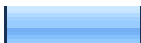
EP Wire Survey on Transvenous Lead Extraction

17. In your experience, what is the MORTALITY rate of TLE (perioperative)?

		Response Percent	Response Count
- 0		54.0%	47
- Less than 0.5 %		33.3%	29
- 0.5 - 2 %		12.6%	11
- > 2 %		0.0%	0
		answered question	87
		skipped question	8


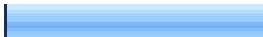
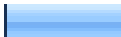

EP Wire Survey on Transvenous Lead Extraction

18. Would you perform **TRANSVENOUS LEAD EXTRACTION** in endocarditis with **VEGETATIONS** on the Lead? If your answer is **NO** skip question 19.

		Response Percent	Response Count
Yes		82.8%	72
No		17.2%	15
answered question			87
skipped question			8

EP Wire Survey on Transvenous Lead Extraction

19. If Yes on question 18 would you perform a TLE if the VEGETATIONS diameter is at most

		Response Percent	Response Count
2 cm		48.6%	35
3 cm		34.7%	25
4 cm		15.3%	11
5 cm		6.9%	5
		answered question	72
		skipped question	23

EP Wire Survey on Transvenous Lead Extraction

20. What's your mean TIME BETWEEN extraction and new implantation of permanent device in a PM DEPENDENT patient?

	Before	No delay (Same procedure)	24 Hours	48 Hours	72 Hours	1 Week	2 Weeks	4 Weeks	Response Count
Systemic Infection	2.4% (2)	4.9% (4)	1.2% (1)	13.4% (11)	20.7% (17)	23.2% (19)	24.4% (20)	9.8% (8)	82
Local Infection	2.4% (2)	20.5% (17)	4.8% (4)	18.1% (15)	24.1% (20)	15.7% (13)	9.6% (8)	4.8% (4)	83
Non infected Leads	3.6% (3)	84.5% (71)	6.0% (5)	2.4% (2)	1.2% (1)	0.0% (0)	1.2% (1)	1.2% (1)	84
answered question									84
skipped question									11

EP Wire Survey on Transvenous Lead Extraction

21. What's your mean TIME BETWEEN extraction and new permanent device implantation in a NON-PM DEPENDENT patient?

	No delay (Same Procedure)	24 Hours	48 Hours	72 Hours	1 Week	2 Weeks	3 Weeks	4 Weeks	Response Count
Systemic Infection	2.4% (2)	0.0% (0)	1.2% (1)	8.4% (7)	9.6% (8)	25.3% (21)	6.0% (5)	47.0% (39)	83
Local Infection	4.8% (4)	2.4% (2)	6.0% (5)	15.7% (13)	22.9% (19)	14.5% (12)	3.6% (3)	30.1% (25)	83
Non infected Leads	70.2% (59)	11.9% (10)	7.1% (6)	2.4% (2)	0.0% (0)	2.4% (2)	0.0% (0)	6.0% (5)	84
answered question									84
skipped question									11






EP Wire Survey on Transvenous Lead Extraction

22. In case of infection as the indication for TLE, do you implant a permanent new system in the same pocket / on the same side of the chest after complete removal?

	PM Dependent patient	Non PM Dependent patient	Response Count
Never	97.6% (80)	89.0% (73)	82
Sometimes	37.5% (3)	87.5% (7)	8
Always	100.0% (1)	100.0% (1)	1
		answered question	84
		skipped question	11

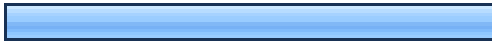



EP Wire Survey on Transvenous Lead Extraction

23. How do you TREAT PM DEPENDENT patients BEFORE REIMPLANTATION when the extraction was indicated by systemic infection?

		Response Percent	Response Count
- Temporary Lead + External PM as a bridge to a new system		60.7%	51
- Epicardial Permanent PM system		13.1%	11
- New permanent Transvenous PM system at the time of extraction		1.2%	1
- Permanent Transvenous Lead + implantable PM outside the body as bridge to new system		23.8%	20
- Permanent Transvenous Lead + implantable PM as a bridge to new system		1.2%	1
answered question			84
skipped question			11

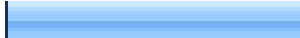
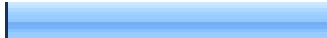


EP Wire Survey on Transvenous Lead Extraction

24. What is the percentage (%) of PM patients NOT REIMPLANTED at your centre?

		Response Percent	Response Count
- < or equal 5 %		67.9%	57
- 6 to 15 %		20.2%	17
- 16 to 25 %		8.3%	7
- > 25 %		3.6%	3
		answered question	84
		skipped question	11

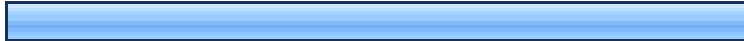

EP Wire Survey on Transvenous Lead Extraction

25. What is the percentage (%) of ICD patients NOT REIMPLANTED at your centre?

		Response Percent	Response Count
- 0		38.1%	32
- < or equal to 2 %		41.7%	35
- 3 to 10 %		17.9%	15
- > 10 %		2.4%	2
answered question			84
skipped question			11

EP Wire Survey on Transvenous Lead Extraction

Q6. How many of your extracted Leads are FINGER ELECTRODES or SUBCUTANEOUS ICD System ELECTRODES?

		Response Percent	Response Count
Finger Electrodes		97.6%	82
Subcutaneous ICD Electrodes		97.6%	82
		answered question	84
		skipped question	11





EP Wire Survey on Transvenous Lead Extraction

27. What is the number of patients treated with SURGICAL extraction as first option in 2011?

	Response Average	Response Total	Response Count
Total Number of patients :	1.17	98	84
	answered question		84
	skipped question		11

EP Wire Survey on Transvenous Lead Extraction

28. Percentage of patients with indications for **SURGICAL** extraction as first option (Sum is 100%)

		Response Percent	Response Count
- Large Vegetations		89.3%	75
- Concomitant cardiac surgery		82.1%	69
- Old Leads		69.0%	58
- Others (Explain)		60.7%	51
	answered question		84
	skipped question		11

EP WIRE SEVENTH SURVEY - Defibrillation Testing at the Time of ICD implantation Results - Question 13

13. In which country are you practicing?

