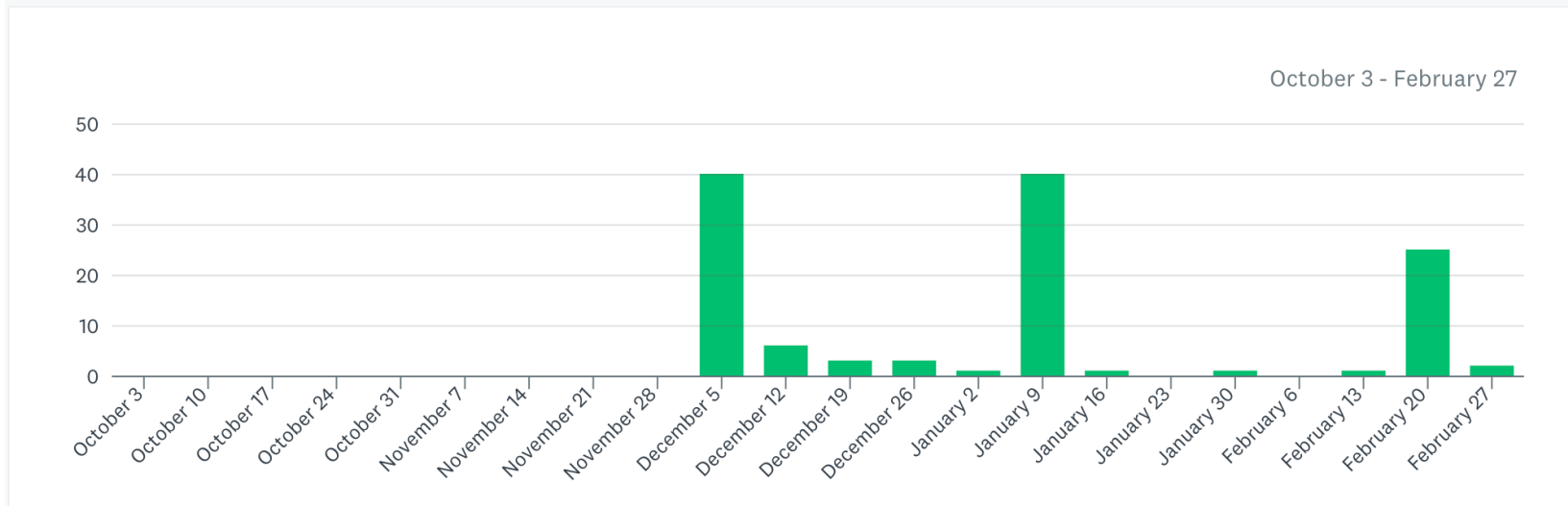




THE ESTS SURVEY ON THORACIC AUTONOMIC NERVOUS SYSTEM SURGERY

Monday, March 16, 2023

Responses Volume



123

Total Responses

Date Created: Sunday, December 04, 2022

Complete Responses: 123

Insights

TOTAL RESPONSES

123

COMPLETION RATE

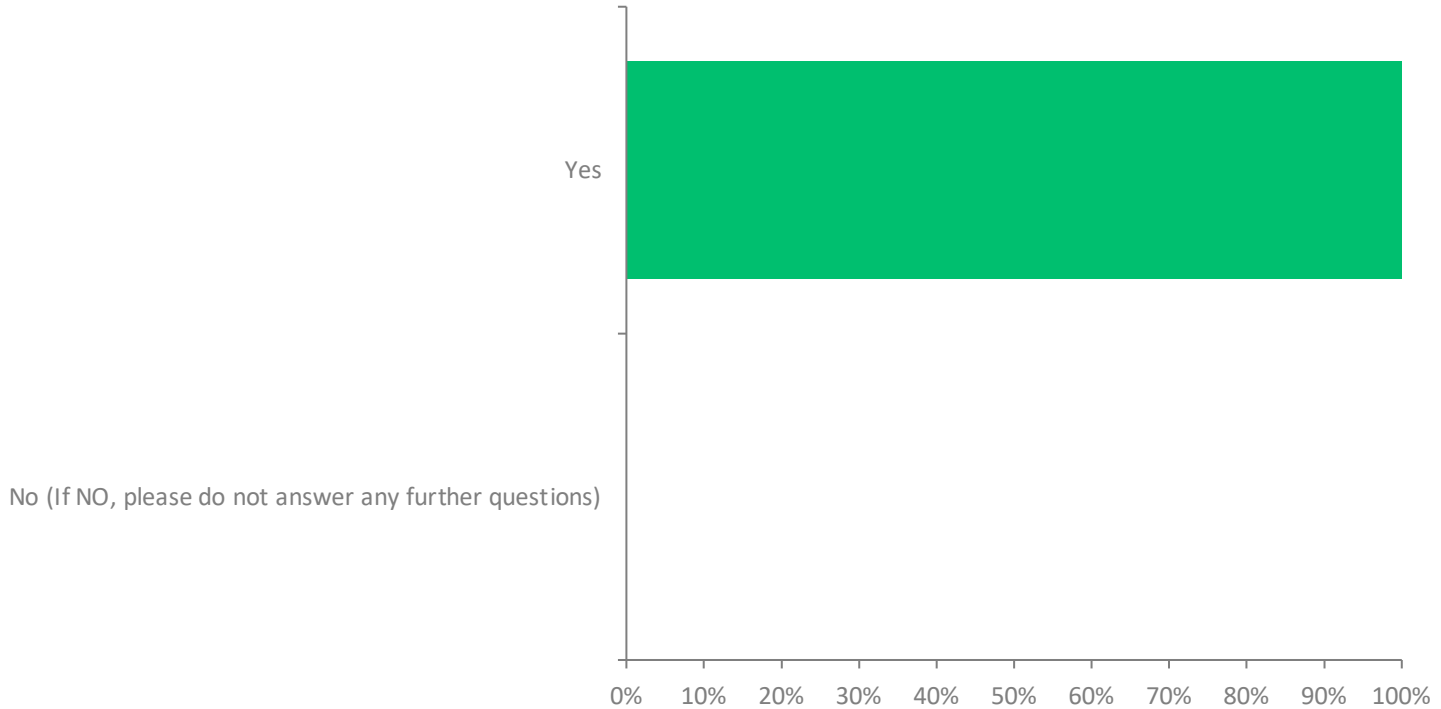
100%

TYPICAL TIME SPENT

10m:23s

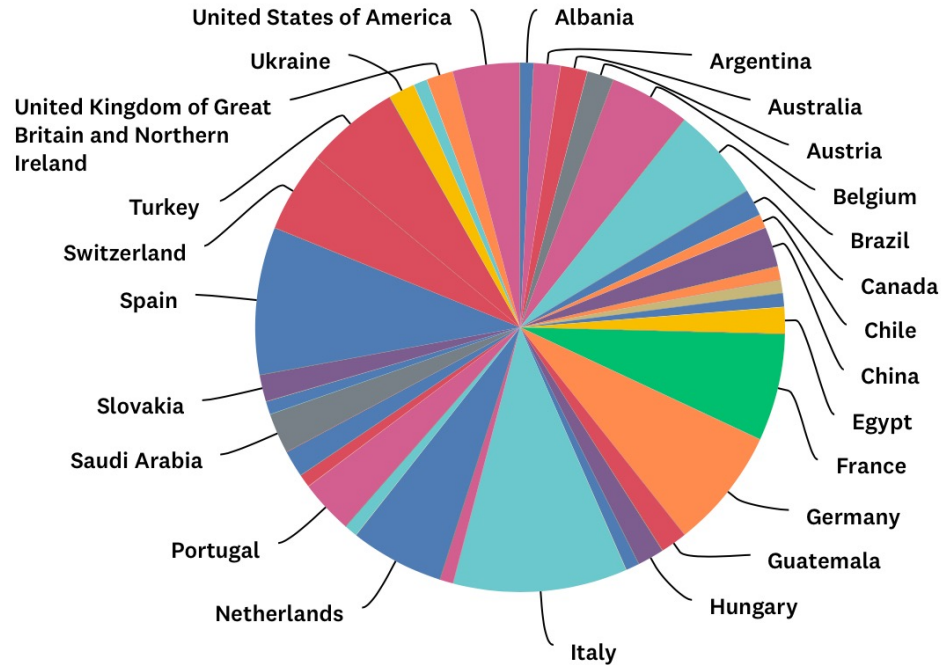
Q1: Are you an ESTS member?

Answered: 123 Skipped: 0



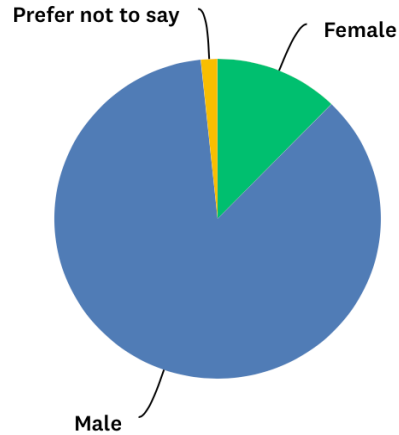
Q2: If your answer is YES, In what country do you work?

Answered: 122 Skipped: 1



Q3: Are you

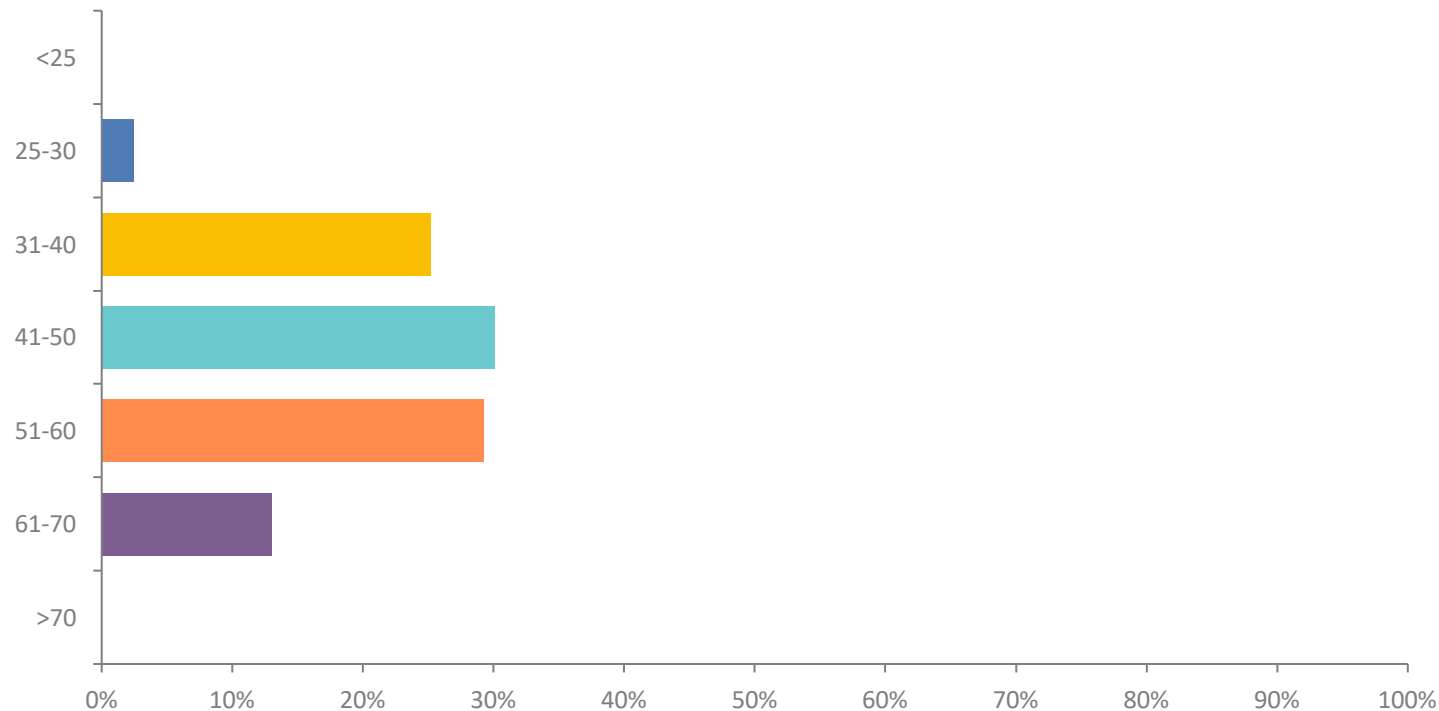
Answered: 122 Skipped: 1



ANSWER CHOICES	RESPONSES
Female	12.30% 15
Male	86.07% 105
Prefer not to say	1.64% 2
TOTAL	122

Q4: How old are you?

Answered: 123 Skipped: 0



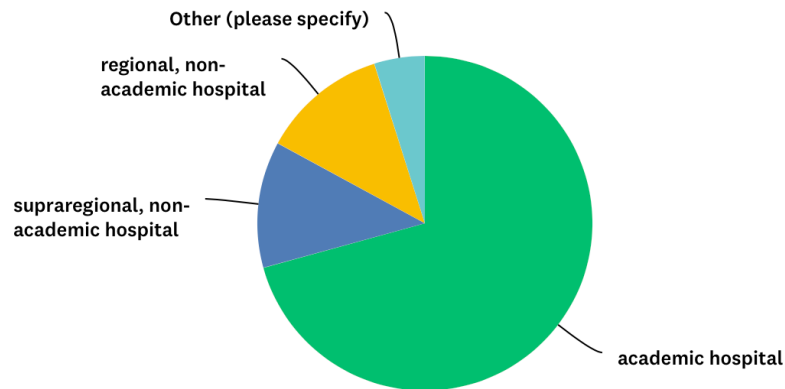
Q4: How old are you?

Answered: 123 Skipped: 0

ANSWER CHOICES	RESPONSES	
<25	0%	0
25-30	2.44%	3
31-40	25.20%	31
41-50	30.08%	37
51-60	29.27%	36
61-70	13.01%	16
>70	0%	0
TOTAL		123

Q5: In which type of institution do you practice?

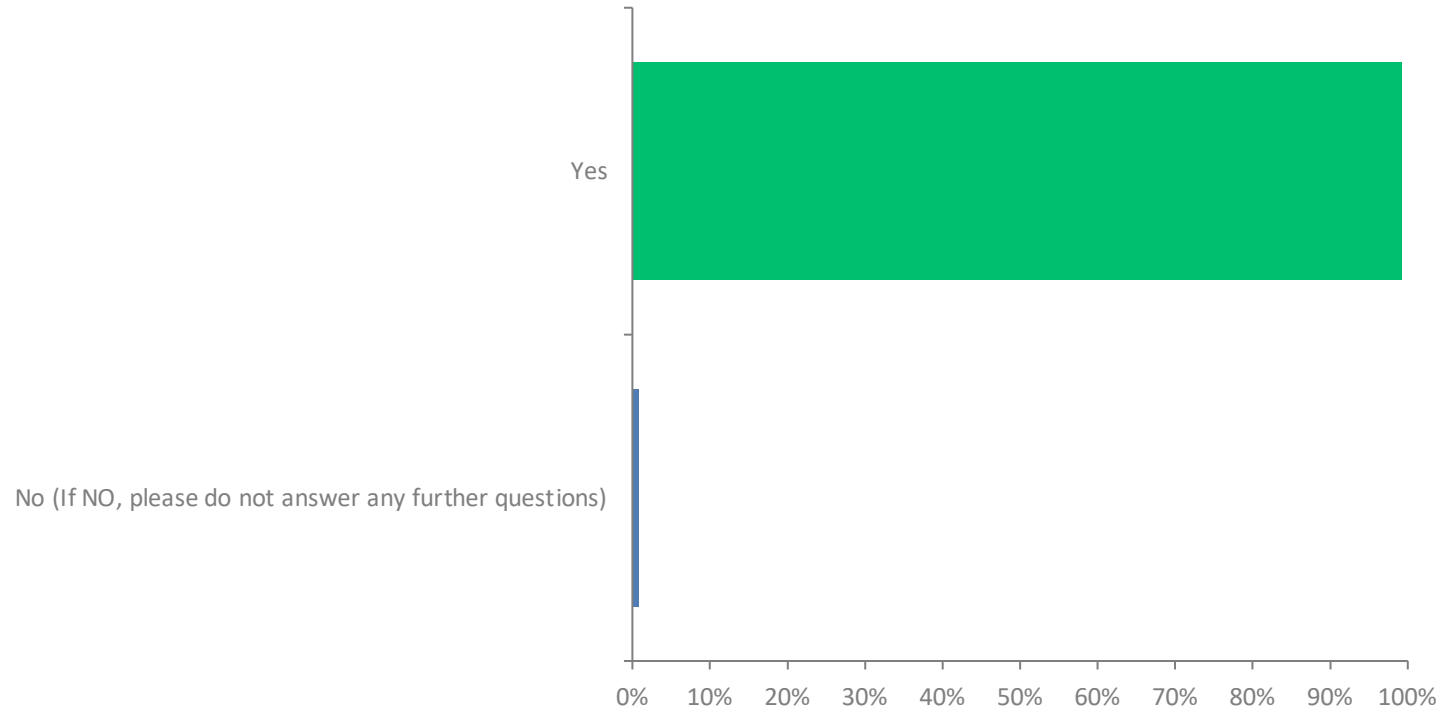
Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
▼ academic hospital	70.73%	87
▼ supraregional, non-academic hospital	12.20%	15
▼ regional, non-academic hospital	12.20%	15
▼ Other (please specify)	4.88%	6
TOTAL		123

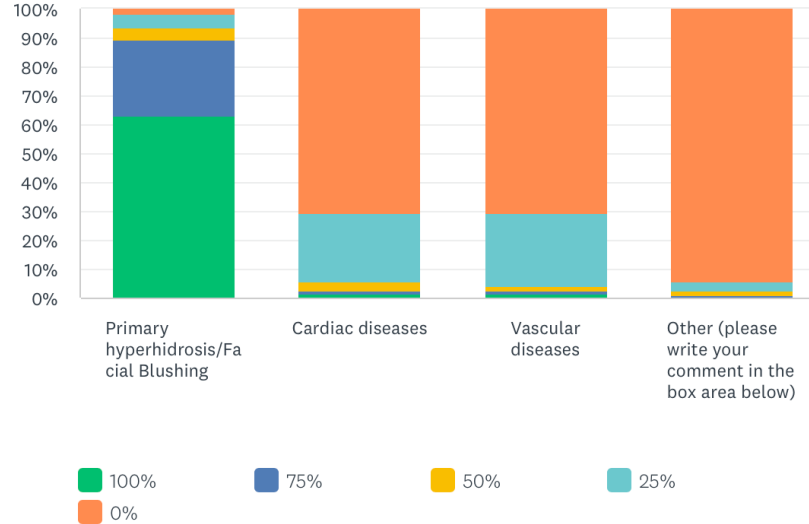
Q6: Do you practice thoracic autonomic nervous system surgery at your hospital?

Answered: 123 Skipped: 0



Q7: If your answer is YES, Your area of interest, when you practice thoracic autonomic nervous system surgery, is/are mainly on:

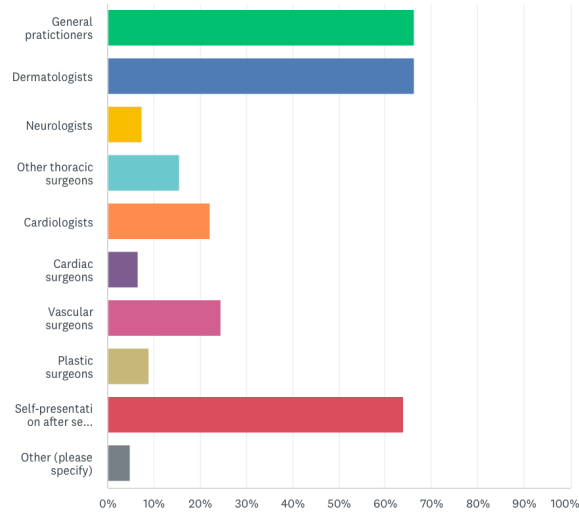
Answered: 123 Skipped: 0



	100%	75%	50%	25%	0%	TOTAL
▼ Primary hyperhidrosis/Facial Blushing	63.41% 78	26.02% 32	4.07% 5	4.88% 6	1.63% 2	123
▼ Cardiac diseases	1.63% 2	0.81% 1	3.25% 4	23.58% 29	70.73% 87	123
▼ Vascular diseases	1.63% 2	0.81% 1	1.63% 2	25.20% 31	70.73% 87	123
▼ Other (please write your comment in the box area below)	0.00% 0	0.81% 1	1.63% 2	3.25% 4	94.31% 116	123

Q8: Patients are referred to you by (choose any of the following):

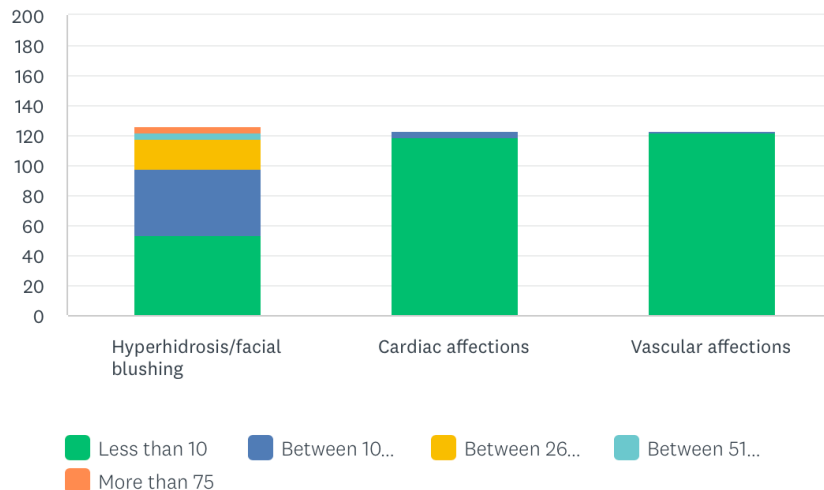
Answered: 122 Skipped: 1



ANSWER CHOICES	RESPONSES
General practitioners	66.39% 81
Dermatologists	66.39% 81
Neurologists	7.38% 9
Other thoracic surgeons	15.57% 19
Cardiologists	22.13% 27
Cardiac surgeons	6.56% 8
Vascular surgeons	24.59% 30
Plastic surgeons	9.02% 11
Self-presentation after seeing your info from the web or from other patients	63.93% 78
Other (please specify)	Responses 4.92% 6
Total Respondents: 122	

Q9: How many surgical cases do you perform per year?

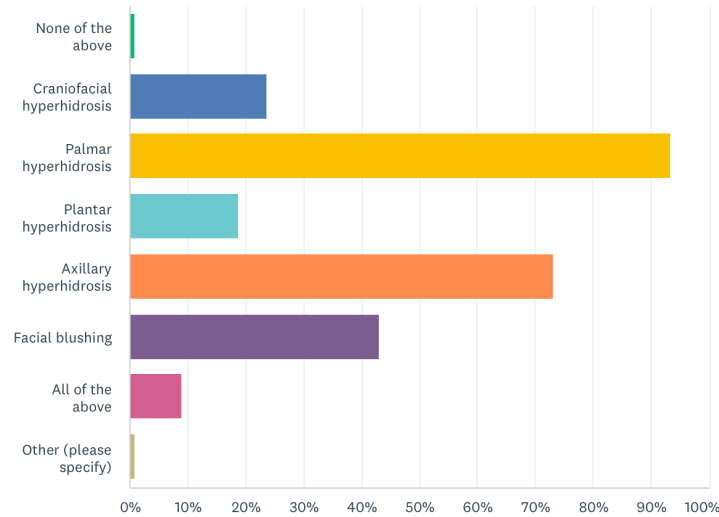
Answered: 123 Skipped: 0



	LESS THAN 10	BETWEEN 10 AND 25	BETWEEN 26 AND 50	BETWEEN 51 AND 75	MORE THAN 75	TOTAL RESPONDENTS
Hyperhidrosis/facial blushing	43.90% 54	35.77% 44	16.26% 20	3.25% 4	3.25% 4	123
Cardiac affections	96.75% 119	3.25% 4	0.00% 0	0.00% 0	0.00% 0	123
Vascular affections	99.19% 122	0.81% 1	0.00% 0	0.00% 0	0.00% 0	123

Q10: Which of the following hyperhidrosis/ facial blushing entities do you usually refer to surgery?

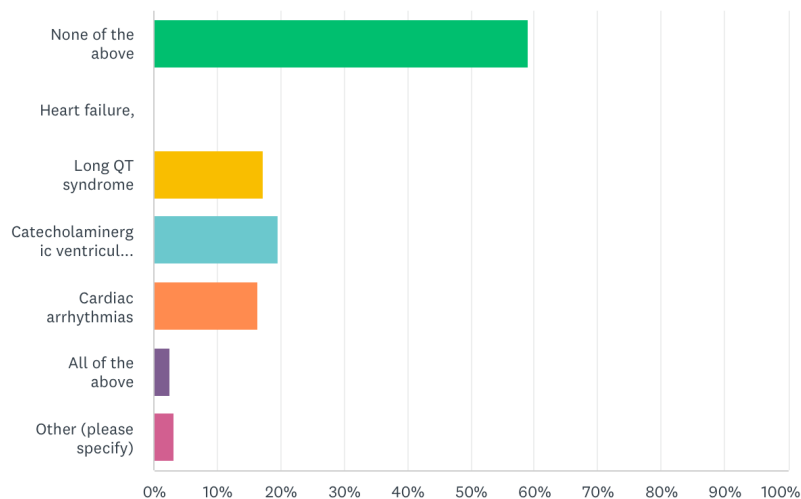
Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES
None of the above	0.81% 1
Craniofacial hyperhidrosis	23.58% 29
Palmar hyperhidrosis	93.50% 115
Plantar hyperhidrosis	18.70% 23
Axillary hyperhidrosis	73.17% 90
Facial blushing	43.09% 53
All of the above	8.94% 11
Other (please specify)	0.81% 1
Total Respondents: 123	

Q11: Which of the following cardiac pathological entities do you usually refer to surgery?

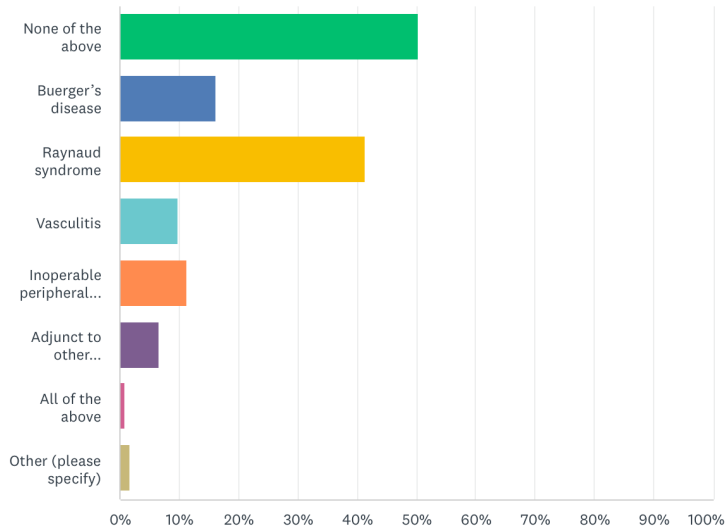
Answered: 122 Skipped: 1



ANSWER CHOICES	RESPONSES
None of the above	59.02% 72
Heart failure,	0.00% 0
Long QT syndrome	17.21% 21
Catecholaminergic ventricular tachycardia resistant to conventional treatment	19.67% 24
Cardiac arrhythmias	16.39% 20
All of the above	2.46% 3
Other (please specify)	3.28% 4
Responses	
Total Respondents: 122	

Q12: Which of the following vascular pathological entities do you usually refer to surgery?

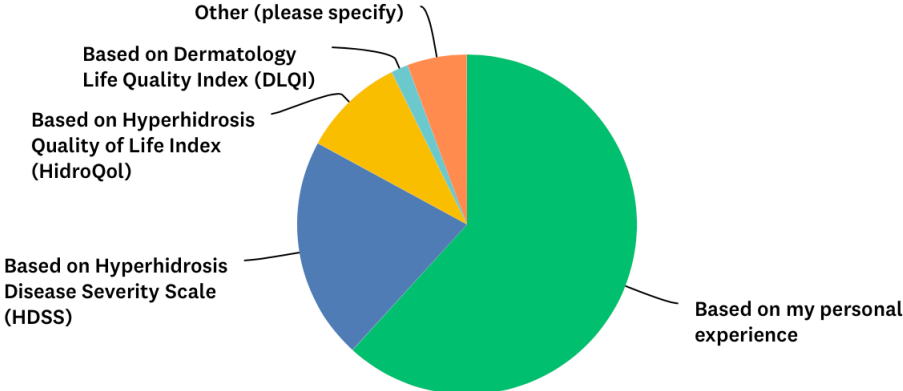
Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
▼ None of the above	50.41%	62
▼ Buerger's disease	16.26%	20
▼ Raynaud syndrome	41.46%	51
▼ Vasculitis	9.76%	12
▼ Inoperable peripheral vascular disease to alleviate symptoms of rest pain	11.38%	14
▼ Adjunct to other treatments for ulcers chronic pain	6.50%	8
▼ All of the above	0.81%	1
▼ Other (please specify)	1.63%	2
Responses		
Total Respondents: 123		

Q13: How do you select and classify patients affected by hyperhidrosis?

Answered: 123 Skipped: 0

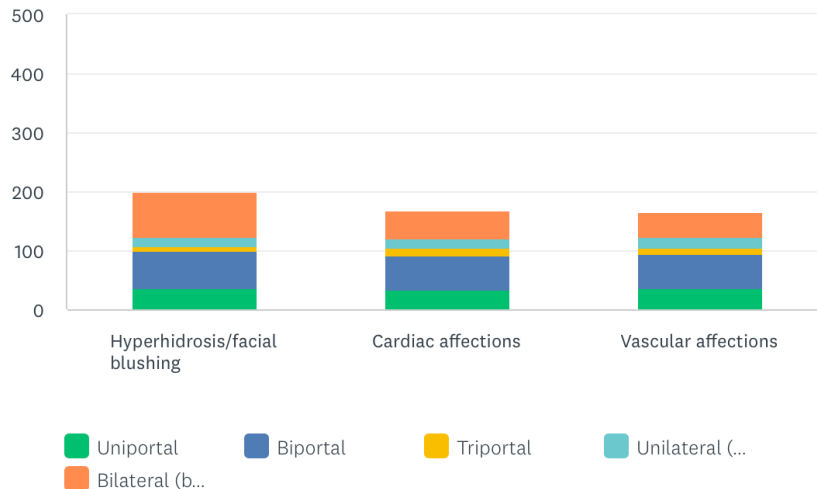


ANSWER CHOICES	RESPONSES	
Based on my personal experience	61.79%	76
Based on Hyperhidrosis Disease Severity Scale (HDSS)	21.14%	26
Based on Hyperhidrosis Quality of Life Index (HidroQol)	9.76%	12
Based on Dermatology Life Quality Index (DLQI)	1.63%	2
Other (please specify)	Responses 5.69%	7
TOTAL		123



Q14: What kind of surgical approach do you prefer?

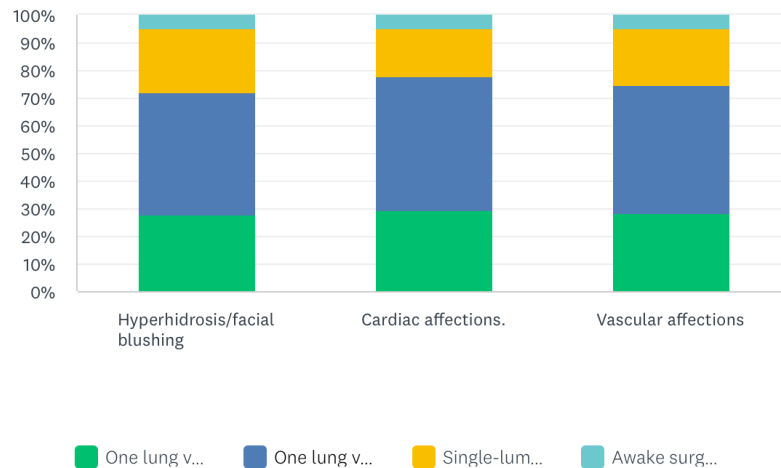
Answered: 123 Skipped: 0



	UNIORTAL	BIORTAL	TRIORTAL	UNILATERAL (ONE SIDE DURING SURGERY)	BILATERAL (BOTH SIDES DURING THE SAME SURGERY)	TOTAL RESPONDENTS
Hyperhidrosis/facial blushing	30.08% 37	50.41% 62	8.13% 10	11.38% 14	63.41% 78	123
Cardiac affections	26.83% 33	47.15% 58	10.57% 13	14.63% 18	37.40% 46	123
Vascular affections	30.08% 37	47.15% 58	8.13% 10	15.45% 19	34.15% 42	123

Q15: What kind of ventilation do you usually prefer?

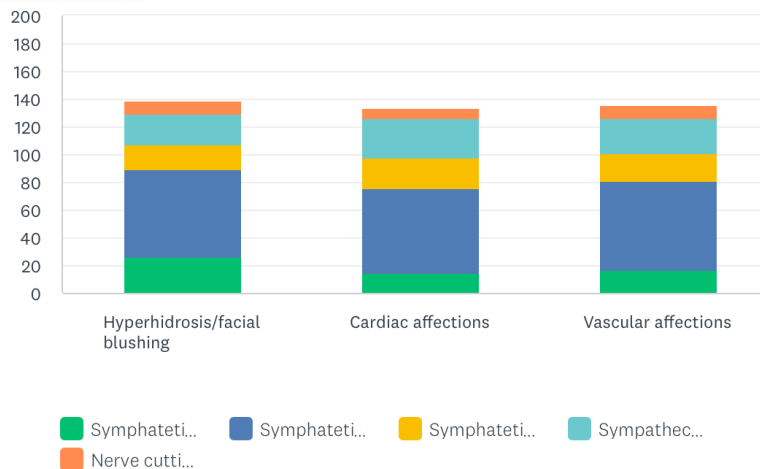
Answered: 123 Skipped: 0



	ONE LUNG VENTILATION (DOUBLE-LUMEN ENDO-TRACHEBRONCHIAL TUBE) WITH INTRAPLEURAL CO2	ONE LUNG VENTILATION (DOUBLE-LUMEN ENDO-TRACHEBRONCHIAL TUBE) WITHOUT INTRAPLEURAL CO2	SINGLE-LUMEN ENDOTRACHEAL INTUBATION WITH INTRAPLEURAL CO2	AWAKE SURGERY	TOTAL	WEIGHTED AVERAGE
Hyperhidrosis/facial blushing	27.64% 34	44.72% 55	22.76% 28	4.88% 6	123	2.05
Cardiac affections.	29.27% 36	48.78% 60	17.07% 21	4.88% 6	123	1.98
Vascular affections	28.46% 35	46.34% 57	20.33% 25	4.88% 6	123	2.02

Q16: What kind of technique do you practice to obtain nerve block?

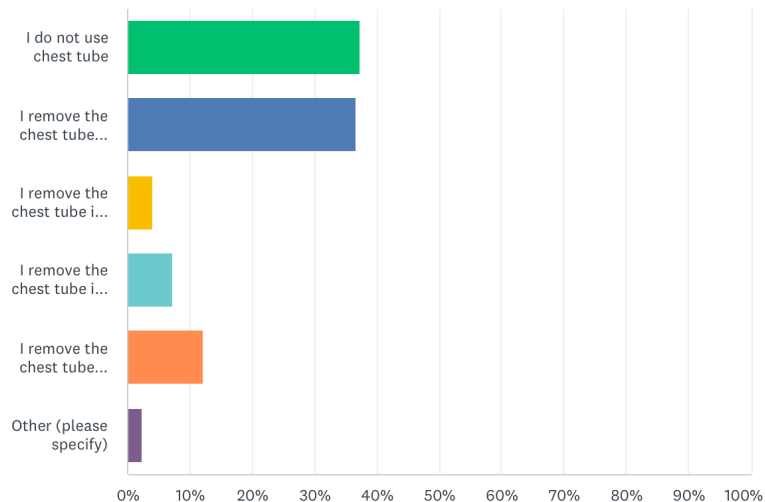
Answered: 123 Skipped: 0



	SYMPHATIC NERVE CLIPPING	SYMPHATIC NERVE CUTTING BY ELECTROCAUTERY	SYMPHATIC NERVE CUTTING BY ENERGY DEVICE	SYMPATHECTOMY (GANGLION REMOVAL)	NERVE CUTTING OR CLIPPING ACCORDING TO THE PATIENT'S NEEDS AND SYMPTOMS	TOTAL RESPONDENTS
Hyperhidrosis/facial blushing	21.14% 26	51.22% 63	14.63% 18	17.89% 22	8.13% 10	123
Cardiac affections	12.20% 15	49.59% 61	17.89% 22	22.76% 28	6.50% 8	123
Vascular affections	13.82% 17	52.03% 64	16.26% 20	20.33% 25	8.13% 10	123

Q17: Concerning chest tube (if air leaks are null) and hospital stay:

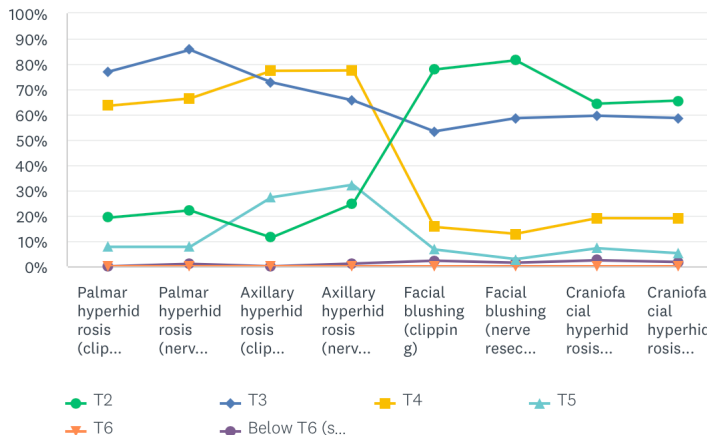
Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES
▼ I do not use chest tube	37.40% 46
▼ I remove the chest tube right at the end of surgery	36.59% 45
▼ I remove the chest tube in the ward the same day of surgery and then discharge the patient	4.07% 5
▼ I remove the chest tube in the ward the same day of surgery and discharge the patient during first postoperative day	7.32% 9
▼ I remove the chest tube during first postoperative day and discharge the patient	12.20% 15
▼ Other (please specify)	Responses 2.44% 3
TOTAL	123

Q18: At what level do you mostly perform nerve block for hyperhidrosis/blushing?

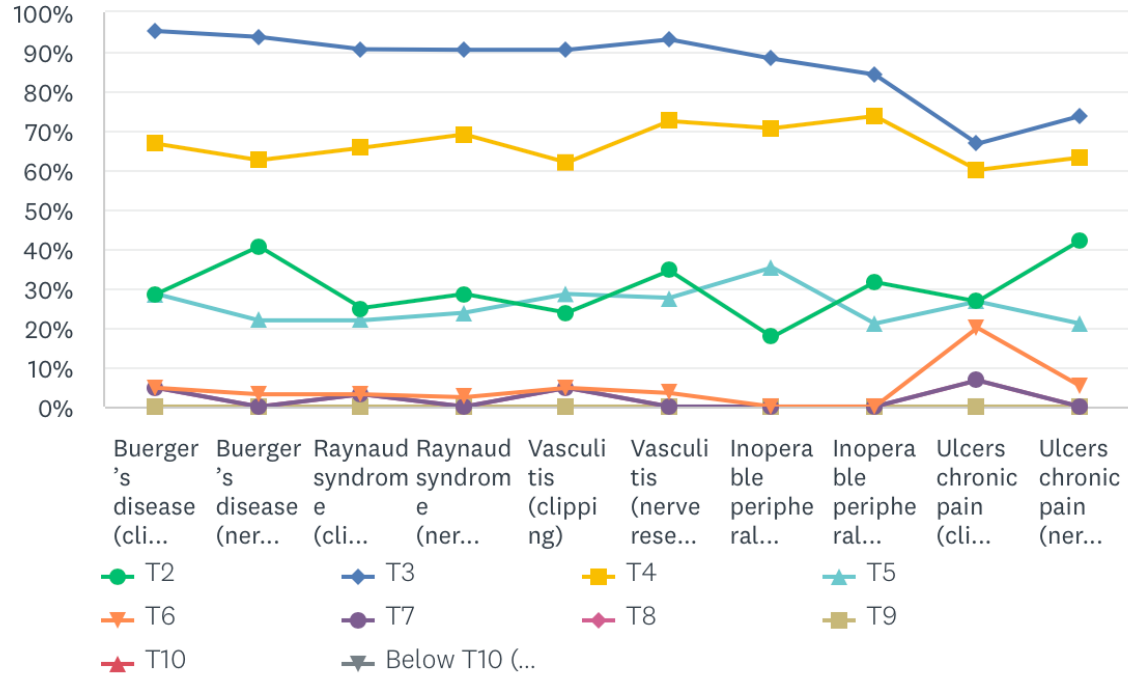
Answered: 121 Skipped: 2



	T2	T3	T4	T5	T6	BELOW T6 (SPECIFY IN THE "OTHER" BOX)	TOTAL RESPONDENTS
Palmar hyperhidrosis (clipping)	19.23% 10	76.92% 40	63.46% 33	7.69% 4	0.00% 0	0.00% 0	52
Palmar hyperhidrosis (nerve resection)	22.12% 23	85.58% 89	66.35% 69	7.69% 8	0.00% 0	0.96% 1	104
Axillary hyperhidrosis (clipping)	11.36% 5	72.73% 32	77.27% 34	27.27% 12	0.00% 0	0.00% 0	44
Axillary hyperhidrosis (nerve resection)	24.73% 23	65.59% 61	77.42% 72	32.26% 30	0.00% 0	1.08% 1	93
Facial blushing (clipping)	77.78% 35	53.33% 24	15.56% 7	6.67% 3	0.00% 0	2.22% 1	45
Facial blushing (nerve resection)	81.43% 57	58.57% 41	12.86% 9	2.86% 2	0.00% 0	1.43% 1	70
Craniofacial hyperhidrosis (clipping)	64.29% 27	59.52% 25	19.05% 8	7.14% 3	0.00% 0	2.38% 1	42
Craniofacial hyperhidrosis (nerve resection)	65.52% 38	58.62% 34	18.97% 11	5.17% 3	0.00% 0	1.72% 1	58

Q19: At what level do you mostly perform nerve block for vascular affections?

Answered: 57 Skipped: 66



Q19: At what level do you mostly perform nerve block for vascular affections?

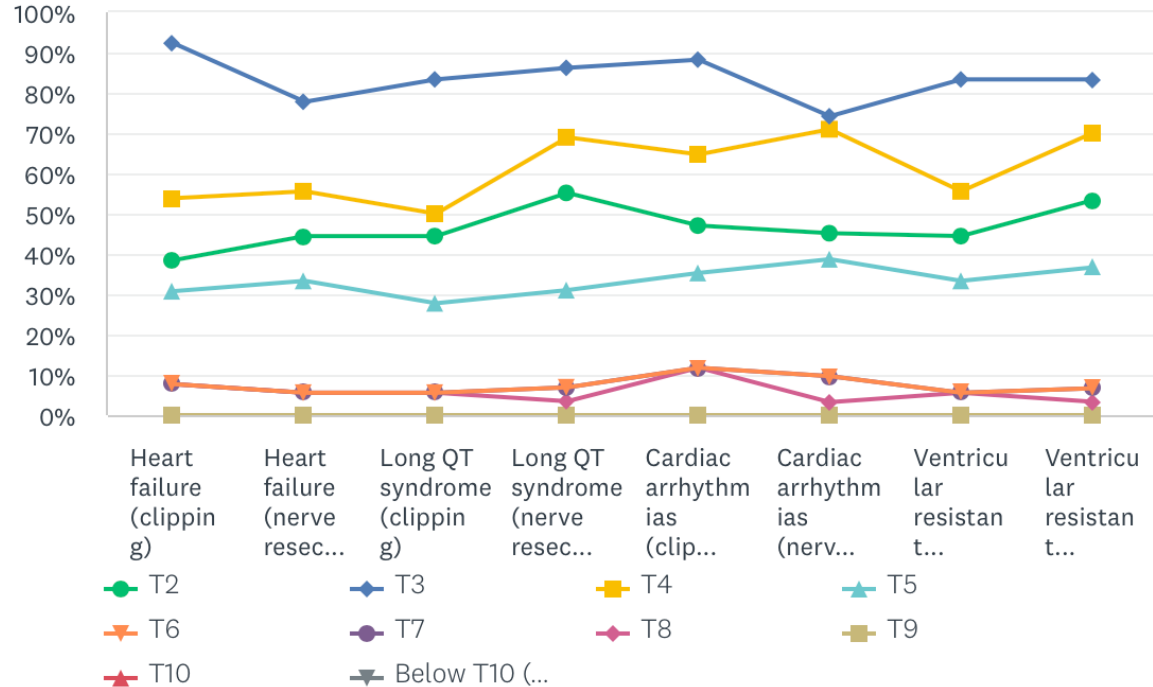
Answered: 57 Skipped: 66



	T2	T3	T4	T5	T6	T7	T8	T9	T10	BELOW T10 (SPECIFY IN THE "OTHER" BOX)	TOTAL RESPONDENTS
-Buerger's disease (clipping)	28.57% 6	95.24% 20	66.67% 14	28.57% 6	4.76% 1	4.76% 1	4.76% 1	0.00% 0	0.00% 0	0.00% 0	21
-Buerger's disease (nerve resection)	40.63% 13	93.75% 30	62.50% 20	21.88% 7	3.13% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	32
-Raynaud syndrome (clipping)	25.00% 8	90.63% 29	65.63% 21	21.88% 7	3.13% 1	3.13% 1	3.13% 1	0.00% 0	0.00% 0	0.00% 0	32
-Raynaud syndrome (nerve resection)	28.57% 12	90.48% 38	69.05% 29	23.81% 10	2.38% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	42
-Vasculitis (clipping)	23.81% 5	90.48% 19	61.90% 13	28.57% 6	4.76% 1	4.76% 1	4.76% 1	0.00% 0	0.00% 0	0.00% 0	21
-Vasculitis (nerve resection)	34.48% 10	93.10% 27	72.41% 21	27.59% 8	3.45% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	29
-Inoperable peripheral vascular disease (clipping)	17.65% 3	88.24% 15	70.59% 12	35.29% 6	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	17
-Inoperable peripheral vascular disease (nerve resection)	31.58% 6	84.21% 16	73.68% 14	21.05% 4	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	19
-Ulcers chronic pain (clipping)	26.67% 4	66.67% 10	60.00% 9	26.67% 4	20.00% 3	6.67% 1	6.67% 1	0.00% 0	0.00% 0	0.00% 0	15
-Ulcers chronic pain (nerve resection)	42.11% 8	73.68% 14	63.16% 12	21.05% 4	5.26% 1	0.00% 0	0.00% 0	0.00% 0	0.00% 0	0.00% 0	19

Q20: At what level do you mostly perform nerve block for cardiac affections?

Answered: 44 Skipped: 79



Q20: At what level do you mostly perform nerve block for cardiac affections?

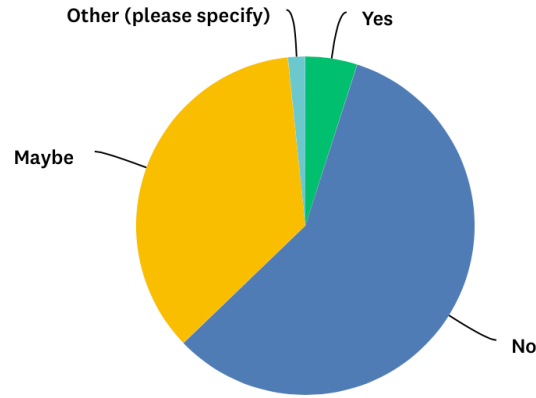
Answered: 44 Skipped: 79



	T2	T3	T4	T5	T6	T7	T8	T9	T10	BELOW T10 (SPECIFY IN THE "OTHER" BOX)-	TOTAL RESPONDENTS-
-Heart failure (clipping)	38.46% 5	92.31% 12	53.85% 7	30.77% 4	7.69% 1	7.69% 1	7.69% 1	0.00% 0	0.00% 0	0.00% 0	13
-Heart failure (nerve resection)	44.44% 8	77.78% 14	55.56% 10	33.33% 6	5.56% 1	5.56% 1	5.56% 1	0.00% 0	0.00% 0	0.00% 0	18
-Long QT syndrome (clipping)	44.44% 8	83.33% 15	50.00% 9	27.78% 5	5.56% 1	5.56% 1	5.56% 1	0.00% 0	0.00% 0	0.00% 0	18
-Long QT syndrome (nerve resection)	55.17% 16	86.21% 25	68.97% 20	31.03% 9	6.90% 2	6.90% 2	3.45% 1	0.00% 0	0.00% 0	0.00% 0	29
-Cardiac arrhythmias (clipping)	47.06% 8	88.24% 15	64.71% 11	35.29% 6	11.76% 2	11.76% 2	11.76% 2	0.00% 0	0.00% 0	0.00% 0	17
-Cardiac arrhythmias (nerve resection)	45.16% 14	74.19% 23	70.97% 22	38.71% 12	9.68% 3	9.68% 3	3.23% 1	0.00% 0	0.00% 0	0.00% 0	31
-Ventricular resistant tachycardia (clipping)	44.44% 8	83.33% 15	55.56% 10	33.33% 6	5.56% 1	5.56% 1	5.56% 1	0.00% 0	0.00% 0	0.00% 0	18
-Ventricular resistant tachycardia (nerve resection)	53.33% 16	83.33% 25	70.00% 21	36.67% 11	6.67% 2	6.67% 2	3.33% 1	0.00% 0	0.00% 0	0.00% 0	30

Q21: Do you think robotic surgery will substitute minimally invasive surgery treating autonomous nervous system conditions?

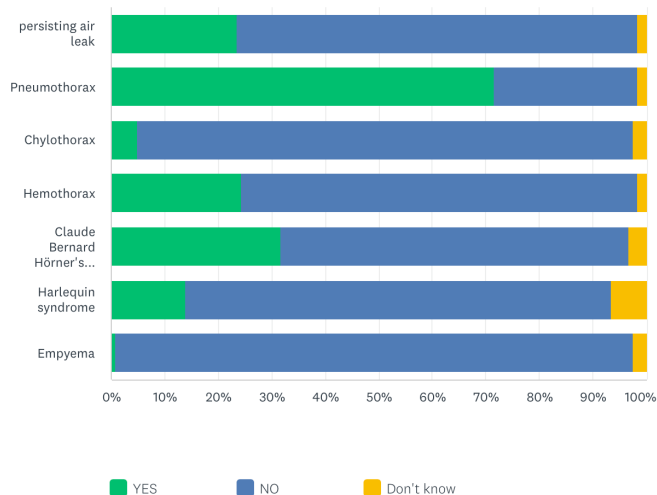
Answered: 121 Skipped: 2



ANSWER CHOICES	RESPONSES
Yes	4.96% 6
No	57.85% 70
Maybe	35.54% 43
Other (please specify)	1.65% 2
TOTAL	121

Q22: Have you ever experienced one or more of the listed complications after autonomic nervous system surgery?

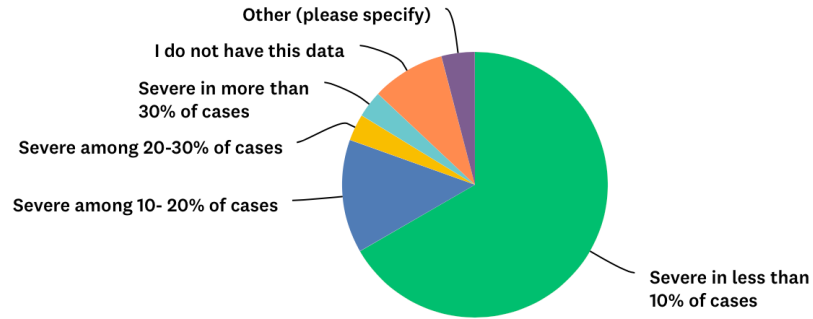
Answered: 123 Skipped: 0



	YES	NO	DON'T KNOW	TOTAL	WEIGHTED AVERAGE
▼ persisting air leak	23.58% 29	74.80% 92	1.63% 2	123	1.78
▼ Pneumothorax	71.54% 88	26.83% 33	1.63% 2	123	1.30
▼ Chylothorax	4.88% 6	92.68% 114	2.44% 3	123	1.98
▼ Hemothorax	24.39% 30	73.98% 91	1.63% 2	123	1.77
▼ Claude Bernard Hörner's Syndrome	31.71% 39	65.04% 80	3.25% 4	123	1.72
▼ Harlequin syndrome	13.82% 17	79.67% 98	6.50% 8	123	1.93
▼ Empyema	0.81% 1	96.75% 119	2.44% 3	123	2.02

Q23: Compensatory sweating onset among your cases is:

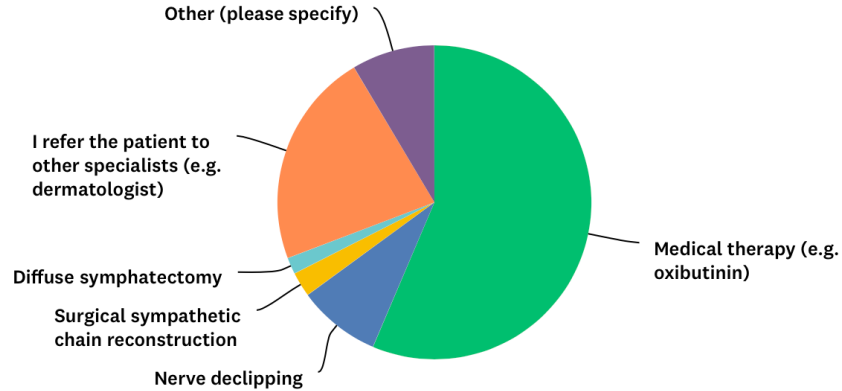
Answered: 123 Skipped: 0



ANSWER CHOICES		RESPONSES	
▼ Severe in less than 10% of cases		66.67%	82
▼ Severe among 10- 20% of cases		13.82%	17
▼ Severe among 20-30% of cases		3.25%	4
▼ Severe in more than 30% of cases		3.25%	4
▼ I do not have this data		8.94%	11
▼ Other (please specify)	Responses	4.07%	5
TOTAL			123

Q24: In case of severe compensatory sweating onset which is MOSTLY your strategy?

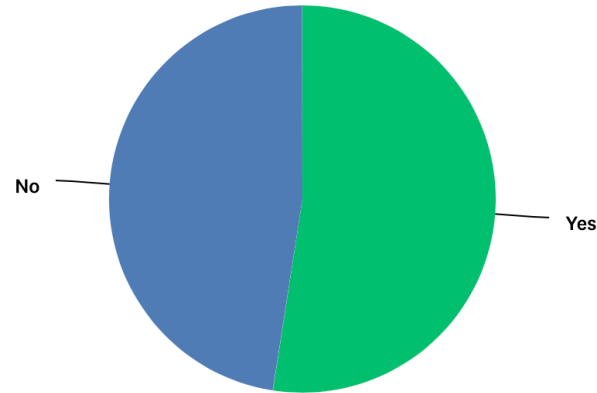
Answered: 117 Skipped: 6



ANSWER CHOICES	RESPONSES
▼ Medical therapy (e.g. oxibutinin)	56.41% 66
▼ Nerve declipping	8.55% 10
▼ Surgical sympathetic chain reconstruction	2.56% 3
▼ Diffuse sympathectomy	1.71% 2
▼ I refer the patient to other specialists (e.g. dermatologist)	22.22% 26
▼ Other (please specify)	8.55% 10
TOTAL	117

Q25: Do you have your own database for autonomic nervous system surgery?

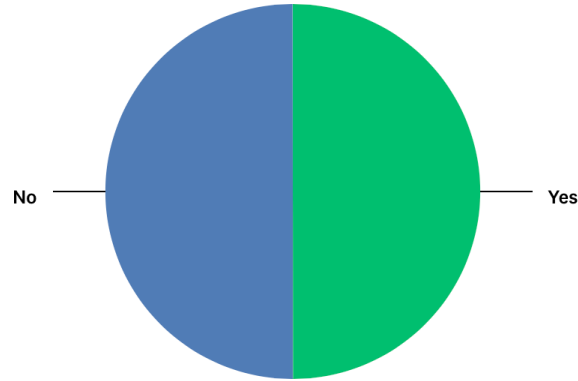
Answered: 122 Skipped: 1



ANSWER CHOICES	RESPONSES
Yes	52.46% 64
No	47.54% 58
TOTAL	122

Q26: Do you have, in your database, a satisfaction rating from your patients?

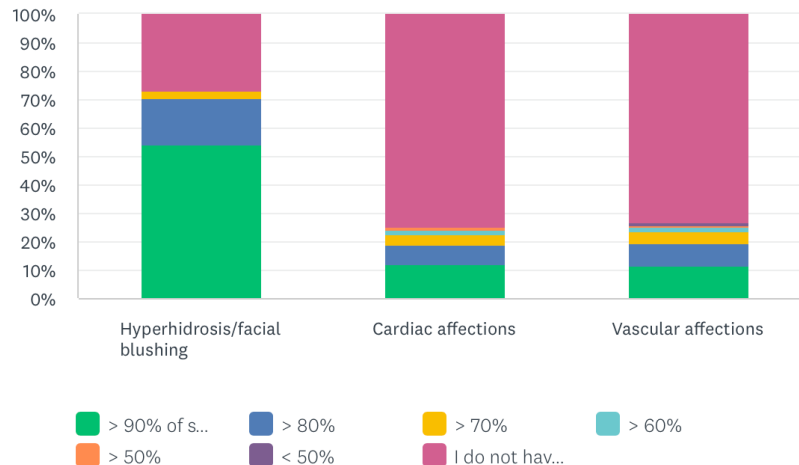
Answered: 112 Skipped: 11



ANSWER CHOICES	RESPONSES
Yes	50.00% 56
No	50.00% 56
TOTAL	112

Q27: If Yes what is the rate of satisfaction among your patients?

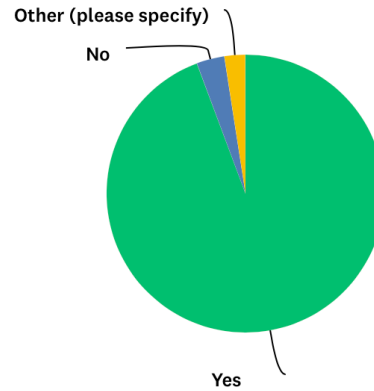
Answered: 123 Skipped: 0



	> 90% OF SATISFACTION	> 80%	> 70%	> 60%	> 50%	< 50%	I DO NOT HAVE THIS DATA	TOTAL	WEIGHTED AVERAGE
Hyperhidrosis/facial blushing	54.47% 67	16.26% 20	2.44% 3	0.00% 0	0.00% 0	0.00% 0	26.83% 33	123	2.82
Cardiac affections	12.20% 15	6.50% 8	4.07% 5	1.63% 2	0.81% 1	0.00% 0	74.80% 92	123	5.72
Vascular affections	11.38% 14	8.13% 10	4.07% 5	1.63% 2	0.81% 1	0.81% 1	73.17% 90	123	5.67

Q28: Do you think that a common database among surgeons practicing autonomic nervous system surgery could be useful to improve knowledges and outcomes?

Answered: 123 Skipped: 0



ANSWER CHOICES	RESPONSES	
▼ Yes	94.31%	116
▼ No	3.25%	4
▼ Other (please specify)	2.44%	3
TOTAL		123

Thank you for your responses! If you wish to be involved in further studies on this topic please fill the fields below:

Answered: 91 Skipped: 32

ANSWER CHOICES ▾	RESPONSES ▾
Name Responses	100.00% 91
Company Responses	85.71% 78
Address Responses	0.00% 0
Address 2 Responses	0.00% 0
City/Town Responses	96.70% 88
State/Province Responses	54.95% 50
ZIP/Postal Code Responses	0.00% 0
Country Responses	98.90% 90
Email Address Responses	100.00% 91
Phone Number Responses	0.00% 0

TOTAL

144

Q30

Save as ▾

Thank you for your responses! If you wish to be involved in further studies on this topic please fill the fields below:

Answered: 91 Skipped: 32

ANSWER CHOICES ▾		RESPONSES ▾	
Name	Responses	100.00%	91
Company	Responses	85.71%	78
Address	Responses	0.00%	0
Address 2	Responses	0.00%	0
City/Town	Responses	96.70%	88
State/Province	Responses	54.95%	50
ZIP/Postal Code	Responses	0.00%	0
Country	Responses	98.90%	90
Email Address	Responses	100.00%	91
Phone Number	Responses	0.00%	0