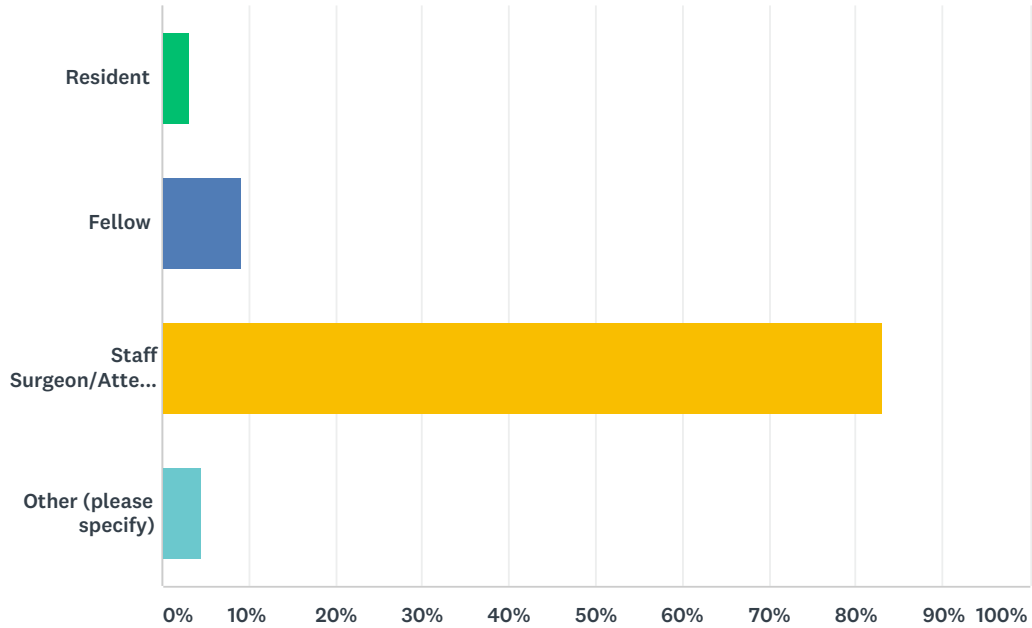


Q1 Which level best describes your position?

Answered: 65 Skipped: 0

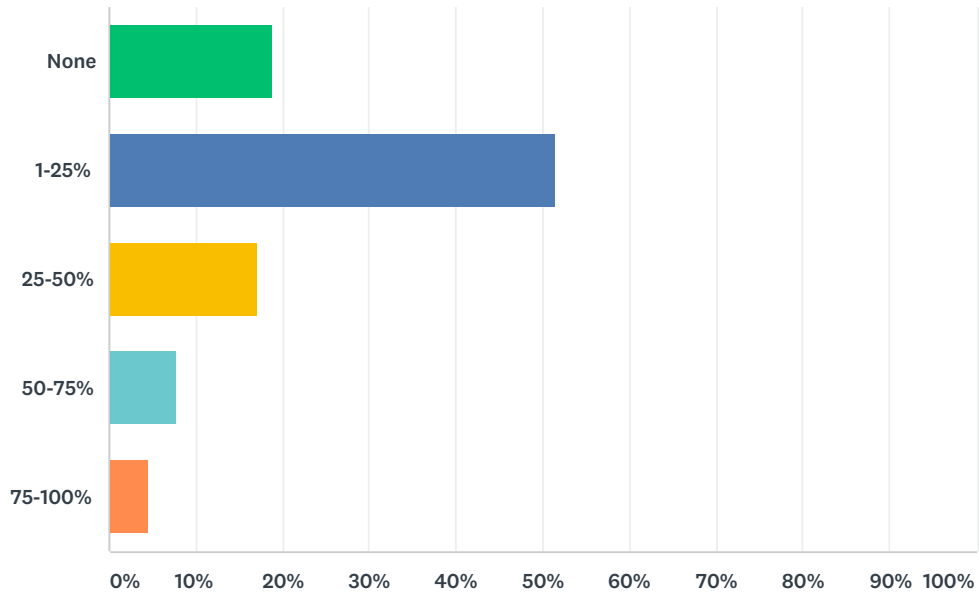


ANSWER CHOICES	RESPONSES
Resident	3.08% 2
Fellow	9.23% 6
Staff Surgeon/Attending	83.08% 54
Other (please specify)	4.62% 3
TOTAL	65

#	OTHER (PLEASE SPECIFY)	DATE
1	Head of spine surgery	11/20/2018 2:33 PM
2	Leader of Spinesurgery Department	11/14/2018 2:48 AM
3	Staff Rheumatologist	11/8/2018 11:06 AM

Q2 What percentage of your practice is Non-Surgical Spine? (i.e. bracing, casting, measurements)

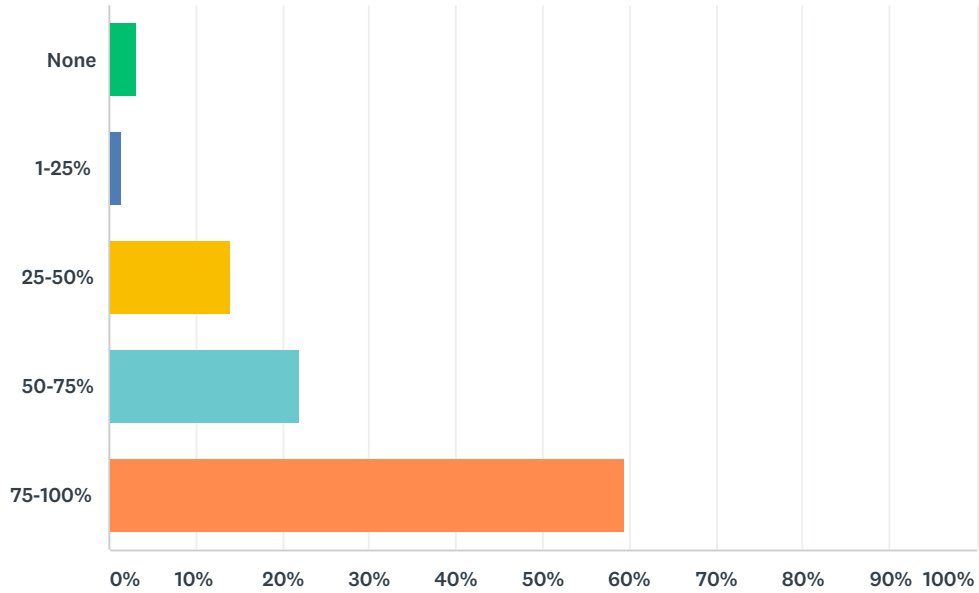
Answered: 64 Skipped: 1



ANSWER CHOICES	RESPONSES	
None	18.75%	12
1-25%	51.56%	33
25-50%	17.19%	11
50-75%	7.81%	5
75-100%	4.69%	3
TOTAL		64

Q3 What percentage of your practice is Surgical Spine

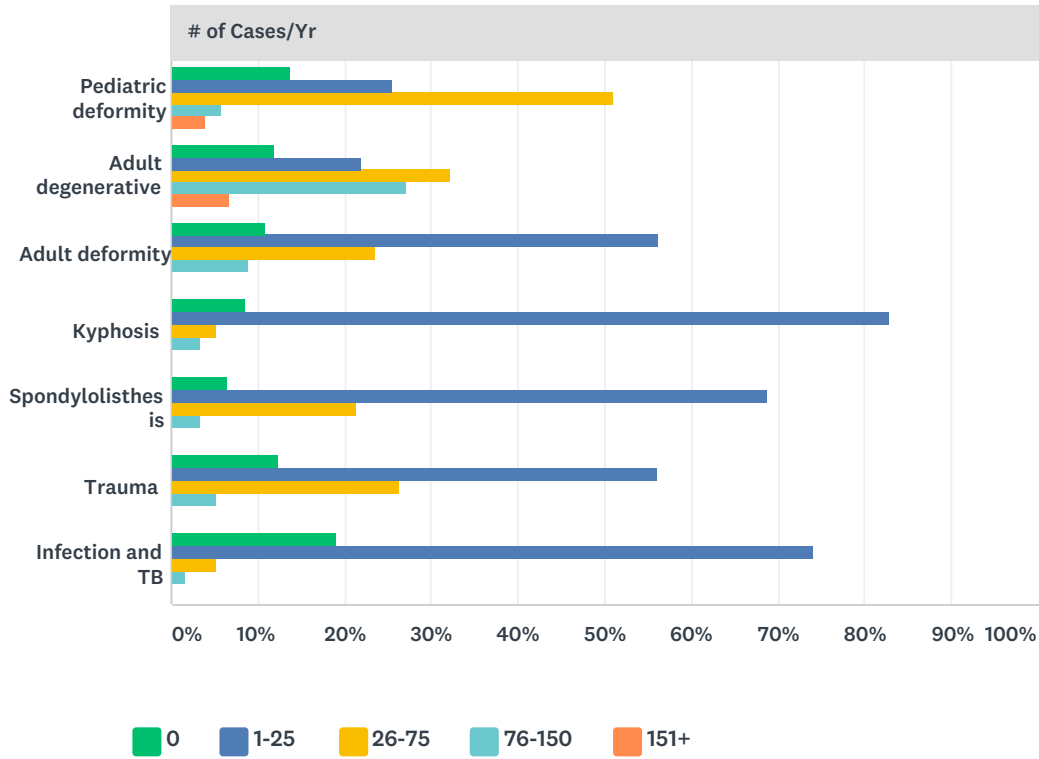
Answered: 64 Skipped: 1



ANSWER CHOICES	RESPONSES	
None	3.13%	2
1-25%	1.56%	1
25-50%	14.06%	9
50-75%	21.88%	14
75-100%	59.38%	38
TOTAL		64

Q4 What Types of Spine Surgery do you currently do?

Answered: 64 Skipped: 1

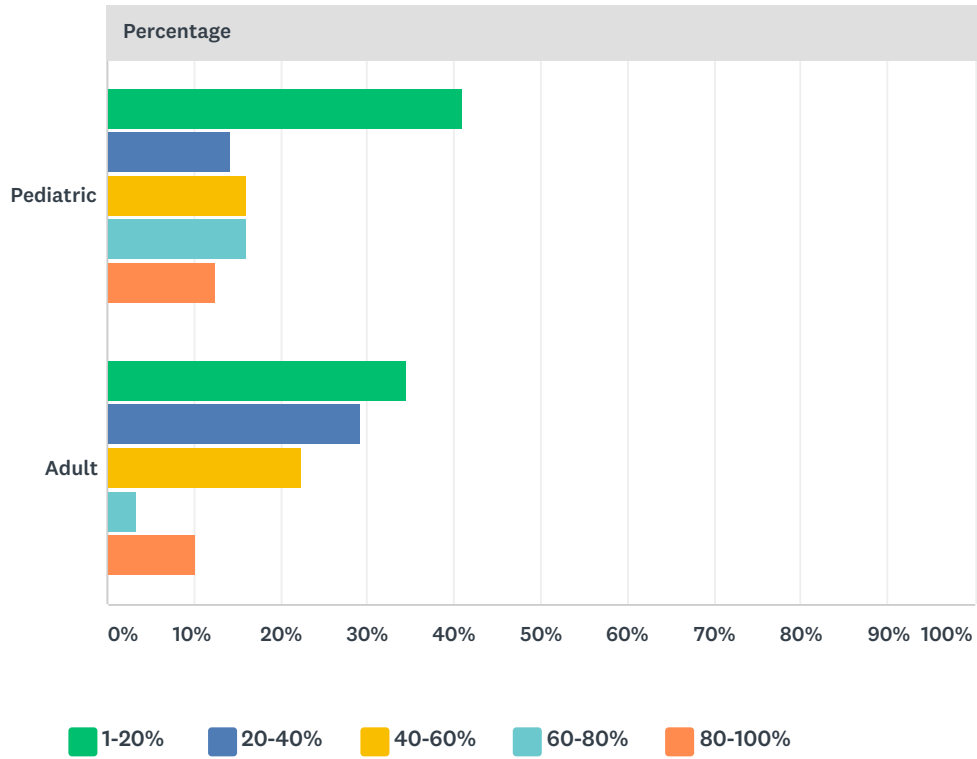


# of Cases/Yr	# of Cases/Yr					TOTAL
	0	1-25	26-75	76-150	151+	
Pediatric deformity	13.73% 7	25.49% 13	50.98% 26	5.88% 3	3.92% 2	51
Adult degenerative	11.86% 7	22.03% 13	32.20% 19	27.12% 16	6.78% 4	59
Adult deformity	10.91% 6	56.36% 31	23.64% 13	9.09% 5	0.00% 0	55
Kyphosis	8.62% 5	82.76% 48	5.17% 3	3.45% 2	0.00% 0	58
Spondylolisthesis	6.56% 4	68.85% 42	21.31% 13	3.28% 2	0.00% 0	61
Trauma	12.28% 7	56.14% 32	26.32% 15	5.26% 3	0.00% 0	57
Infection and TB	18.97% 11	74.14% 43	5.17% 3	1.72% 1	0.00% 0	58

#	OTHER (PLEASE SPECIFY INCLUDING # OF CASES))	DATE
1	NB ADS and Kyphosis are describing the same!	11/20/2018 2:33 PM
2	tumor 1-25	11/9/2018 4:13 AM
3	All	11/9/2018 2:19 AM
4	Tumor 30 %	11/8/2018 10:14 AM

Q5 What percentage of your total cases are for spinal deformity

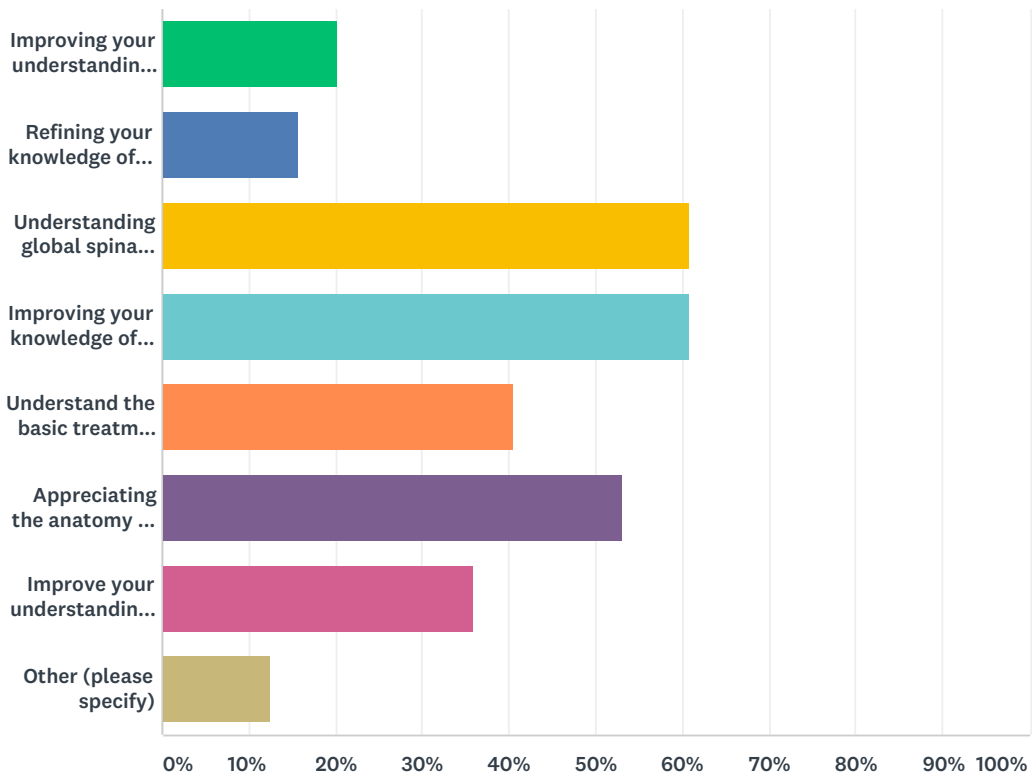
Answered: 65 Skipped: 0



Percentage						
	1-20%	20-40%	40-60%	60-80%	80-100%	TOTAL
Pediatric	41.07% 23	14.29% 8	16.07% 9	16.07% 9	12.50% 7	56
Adult	34.48% 20	29.31% 17	22.41% 13	3.45% 2	10.34% 6	58

Q6 Your main priorities for attending a course includes: (you may choose more than one)

Answered: 64 Skipped: 1



ANSWER CHOICES	RESPONSES	
Improving your understanding of spinal anatomy	20.31%	13
Refining your knowledge of fusion biology	15.63%	10
Understanding global spinal alignment (coronal, sagittal, & the pelvic indices)	60.94%	39
Improving your knowledge of the treatment of pediatric deformities	60.94%	39
Understand the basic treatment of adult degenerative conditions	40.63%	26
Appreciating the anatomy and techniques available in addressing adult deformity	53.13%	34
Improve your understanding of the treatment of spine trauma & tumors	35.94%	23
Other (please specify)	12.50%	8
Total Respondents: 64		

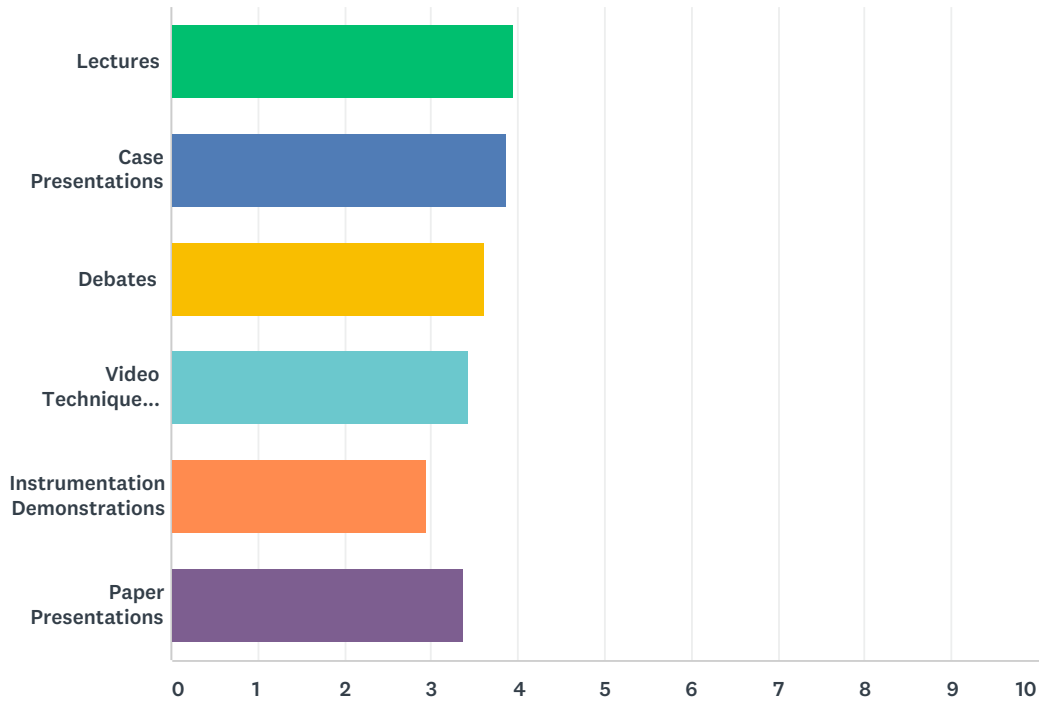
#	OTHER (PLEASE SPECIFY)	DATE
1	New therapeutic options	11/20/2018 2:33 PM
2	Keeping up to date	11/14/2018 2:28 AM
3	discuss with colleagues	11/13/2018 3:39 PM
4	Different Treatment options and thoughts in case presentations	11/13/2018 2:18 PM

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5	innovative approaches in non operative and operative care of spinal deformities	11/9/2018 7:03 AM
6	New things not just the same thing recycled	11/9/2018 2:35 AM
7	new techniques	11/8/2018 11:21 PM
8	New developments in 3D spinal imaging, musculoskeletal modelling, dynamic evaluation of function and outcome in spinal deformity, networking	11/8/2018 1:56 PM

Q7 What activities offered at a course are most important in influencing your attendance?

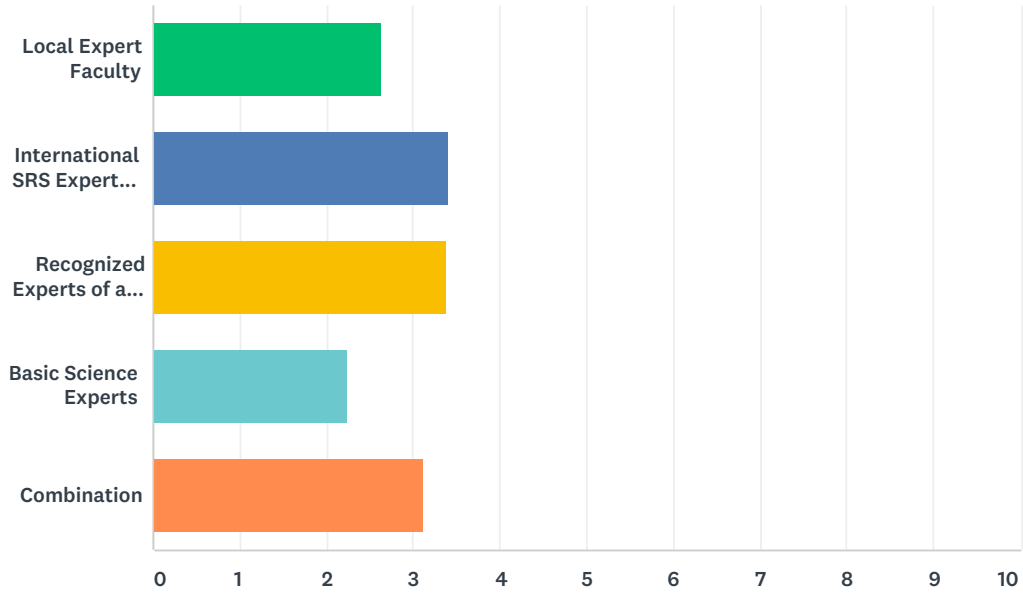
Answered: 65 Skipped: 0



	1	2	3	4	5	6	TOTAL	SCORE
Lectures	26.42% 14	18.87% 10	13.21% 7	22.64% 12	3.77% 2	15.09% 8	53	3.96
Case Presentations	24.56% 14	17.54% 10	12.28% 7	21.05% 12	15.79% 9	8.77% 5	57	3.88
Debates	8.77% 5	26.32% 15	24.56% 14	12.28% 7	14.04% 8	14.04% 8	57	3.61
Video Technique Demonstrations	15.38% 8	7.69% 4	30.77% 16	9.62% 5	25.00% 13	11.54% 6	52	3.44
Instrumentation Demonstrations	5.88% 3	15.69% 8	9.80% 5	25.49% 13	23.53% 12	19.61% 10	51	2.96
Paper Presentations	20.34% 12	15.25% 9	13.56% 8	10.17% 6	13.56% 8	27.12% 16	59	3.37

Q8 Who do you want as Faculty for a course?

Answered: 65 Skipped: 0



	1	2	3	4	5	TOTAL	SCORE
Local Expert Faculty	8.16% 4	12.24% 6	28.57% 14	36.73% 18	14.29% 7	49	2.63
International SRS Expert Faculty	25.00% 14	30.36% 17	17.86% 10	14.29% 8	12.50% 7	56	3.41
Recognized Experts of a Specific Procedure	22.81% 13	33.33% 19	17.54% 10	12.28% 7	14.04% 8	57	3.39
Basic Science Experts	6.12% 3	12.24% 6	18.37% 9	26.53% 13	36.73% 18	49	2.24
Combination	38.18% 21	5.45% 3	14.55% 8	12.73% 7	29.09% 16	55	3.11

Q9 What is the largest problem facing you in your practice of spine right now?

Answered: 56 Skipped: 9

#	RESPONSES	DATE
1	complication	11/21/2018 3:59 AM
2	Sagittal balance	11/20/2018 2:33 PM
3	to determine the levels of fusion and the targeted kyphosis in AIS	11/16/2018 7:41 AM
4	Pseudoart. adult def. on PSO-level	11/15/2018 1:32 AM
5	Adult spinal deformity correction	11/14/2018 5:52 AM
6	.	11/14/2018 4:05 AM
7	the big problem that I have in my country for the surgical management of the spinal deformatuons is accessibilitte of the patients to the material dosteosynthese. he remains honored in my country.	11/14/2018 3:23 AM
8	neurogenic scoliosis as a result of neurofibromatosis with multiple lumbar neurofibromas	11/14/2018 2:48 AM
9	Economic constraints	11/14/2018 2:28 AM
10	Growth sparring fusionless techniques	11/13/2018 4:30 PM
11	Adult deformity	11/13/2018 3:54 PM
12	lack of innovation and new modalities	11/13/2018 3:48 PM
13	French system reimbursement lack of innovation because of low market value aging population	11/13/2018 3:39 PM
14	Patient selection	11/13/2018 3:17 PM
15	Recources	11/13/2018 2:54 PM
16	Resisting new technologies (robot wars) and the widespread introduction of experimental unproven technologies into the clinical arena	11/13/2018 2:48 PM
17	variations in individual complication rate (experienced vs. less experienced surgeons) for adult deformity.	11/13/2018 2:42 PM
18	not enough practise	11/13/2018 2:33 PM
19	An acurate indication	11/13/2018 2:33 PM
20	The failure of honest discourse. Heavily sponsored surgeons spreading salacious surgeries that fail. Gravity cannot be overcome not matter how many rods there are. Need curious surgeons who push the boundaries of knowledge for the benefits of patients. Sadly lacking.	11/13/2018 2:29 PM
21	Indication and timing and specific surgical intervention (length, approach)	11/13/2018 2:26 PM
22	Patients with complex comorbodotoes and syndromes EOS Cervical kyphosis in syndromes and NF1 pts	11/13/2018 2:23 PM
23	aging spine	11/13/2018 2:18 PM
24	Treatment of early onset scoliosis	11/13/2018 2:16 PM
25	Mechanical failure	11/13/2018 2:15 PM
26	complex revision surgeries	11/13/2018 2:13 PM
27	lack of day surgery systems ie.endoscopes etc.	11/12/2018 12:26 PM
28	being sure of the indications	11/10/2018 12:04 PM
29	If we are to inplement teathering or not	11/9/2018 11:14 AM
30	Early onset scoliosis	11/9/2018 9:47 AM

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31	find time to structure my database for research purposes	11/9/2018 7:03 AM
32	none	11/9/2018 3:07 AM
33	Osteoporosis Obesity	11/9/2018 2:53 AM
34	Cost pressures	11/9/2018 2:35 AM
35	Spine Fusion in elderly. Adjacent segment pathology	11/9/2018 2:30 AM
36	economic materials administrative problems	11/9/2018 2:20 AM
37	To adjust & assessment of global balance intra operatively	11/9/2018 2:19 AM
38	poor understanding of majority of surgeons that operate on spines resulting in further problems	11/8/2018 11:21 PM
39	Healing of adult spinal deformity	11/8/2018 11:11 PM
40	Complications and risk stratification in adult degenerative and deformity cases	11/8/2018 2:36 PM
41	Reimbursement	11/8/2018 2:21 PM
42	Convincing hospital management that monitoring Quality of Care and Outcome in adult spinal deformity within an ICF-model using the current validated set of PROMS and 3D motion analysis is necessary in this value driven health climate and demands financial resources.	11/8/2018 1:56 PM
43	Money	11/8/2018 1:27 PM
44	Funding	11/8/2018 1:09 PM
45	proper Indication	11/8/2018 12:57 PM
46	limited access to access surgeons for anterior surgery	11/8/2018 12:48 PM
47	no problem	11/8/2018 11:38 AM
48	Revision cases	11/8/2018 11:28 AM
49	How to improve surgical skills	11/8/2018 11:15 AM
50	Insufficient multidisciplinary collaboration	11/8/2018 11:06 AM
51	revisionsurgery	11/8/2018 10:59 AM
52	restauration of sagittal deformation	11/8/2018 10:45 AM
53	Indication for surgery	11/8/2018 10:25 AM
54	Pseudarthrosis Pjk Patient satisfaction and disability or limitations after surgery	11/8/2018 10:22 AM
55	Arthrodesis avoiding in pediatric patients	11/8/2018 10:22 AM
56	Indication in adult deformity	11/8/2018 10:14 AM

Q10 What are your most pressing, practice based questions?

Answered: 52 Skipped: 13

#	RESPONSES	DATE
1	ok	11/21/2018 3:59 AM
2	How to reduce revision rate in ASD	11/20/2018 2:33 PM
3	the same	11/16/2018 7:41 AM
4	Fusion Paediatric deformities	11/16/2018 12:31 AM
5	How to get the most optimal posterior bone fusion on the PSO-level ?	11/15/2018 1:32 AM
6	How to achieve a successful fusion in the adult degenerative/deformed spine	11/14/2018 5:52 AM
7	.	11/14/2018 4:05 AM
8	Spine scoliosis Research	11/14/2018 3:23 AM
9	how to treat die Case under 9.	11/14/2018 2:48 AM
10	Deformity making vs deformity treating procedures	11/14/2018 2:28 AM
11	Treatment of early onset scoliosis Growth modulation techniques	11/13/2018 4:30 PM
12	Which adult deformity should i offer operation	11/13/2018 3:54 PM
13	inflammatory, disc derived back pain in adolocents	11/13/2018 3:48 PM
14	pseudos pjk balance	11/13/2018 3:39 PM
15	When to conserve	11/13/2018 3:17 PM
16	-	11/13/2018 2:54 PM
17	Preventing junctions kyphosis in adult degen apine	11/13/2018 2:48 PM
18	Future relevance of dynamic scoliosis correction (VBT)	11/13/2018 2:42 PM
19	range of ISF in pediatric deformity	11/13/2018 2:33 PM
20	Neuromonitoring interpretation	11/13/2018 2:33 PM
21	Integrity, honesty, humility.	11/13/2018 2:29 PM
22	„High end“ deformities	11/13/2018 2:26 PM
23	Eos	11/13/2018 2:23 PM
24	Guidelines	11/13/2018 2:18 PM
25	VBT yes/no? Growing rods? Trolley?	11/13/2018 2:16 PM
26	How can we reduce complications	11/13/2018 2:15 PM
27	avoid screw loosening and pseudarthrosis in adult deformity surgery	11/13/2018 2:13 PM
28	rehabilitation problems	11/12/2018 12:26 PM
29	couldn't understand the question	11/10/2018 12:04 PM
30	1. When to do surgery 2. Choise of surgery	11/9/2018 11:14 AM
31	How to restrore sagittal imbalance in ais?	11/9/2018 9:47 AM
32	- when to decide surgery in pediatric deformity - is growth friendly approach really an option - how to bring our community to a more homogeneous practice in terms of decision making (too many controversies with similar results): need for for forums??	11/9/2018 7:03 AM
33	none	11/9/2018 3:07 AM
34	new deformity correction methods adult deformities	11/9/2018 2:20 AM

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35	How to make sure that you restored balance intraoperativly	11/9/2018 2:19 AM
36	as above	11/8/2018 11:21 PM
37	Indications and union of adult spinal deformity	11/8/2018 11:11 PM
38	How to prevent PJK	11/8/2018 2:36 PM
39	Revision surgeries in pediatrics with neglected ongoing deformity	11/8/2018 2:21 PM
40	Standardized procedures for dynamic Evaluation of spinal deformity patients	11/8/2018 1:56 PM
41	PJK	11/8/2018 1:27 PM
42	How to fund adult deformity	11/8/2018 1:09 PM
43	Not a specific question	11/8/2018 12:57 PM
44	-	11/8/2018 12:48 PM
45	Fusion length and growing systems	11/8/2018 11:28 AM
46	Increase mis	11/8/2018 11:15 AM
47	Defining the best surgical candidates among my patients	11/8/2018 11:06 AM
48	see above	11/8/2018 10:59 AM
49	x	11/8/2018 10:45 AM
50	Anterior or posterior fusion	11/8/2018 10:25 AM
51	Reliable fixation technique in fusion less construct	11/8/2018 10:22 AM
52	-	11/8/2018 10:14 AM

Q11 What is the topic or innovation that you need to hear more about?

Answered: 52 Skipped: 13

#	RESPONSES	DATE
1	muscle	11/21/2018 3:59 AM
2	Anything reducing Q10.	11/20/2018 2:33 PM
3	non fusion corrections	11/16/2018 7:41 AM
4	Innovation in pediatric deformity	11/16/2018 12:31 AM
5	All	11/15/2018 1:32 AM
6	All aspects are useful	11/14/2018 5:52 AM
7	Minimally Invasive Surgery in Deformity Surgery	11/14/2018 4:05 AM
8	Scoliosis	11/14/2018 3:23 AM
9	VBT	11/14/2018 2:48 AM
10	Correcting balance from single level procedures	11/14/2018 2:28 AM
11	AVBT and growth sparring techniques	11/13/2018 4:30 PM
12	preserving spinal motion	11/13/2018 3:48 PM
13	predictive algorithms	11/13/2018 3:39 PM
14	Navigation	11/13/2018 3:17 PM
15	Asd	11/13/2018 2:54 PM
16	Dural repair technologies	11/13/2018 2:48 PM
17	Dynamic Scoliosis Correction (DSC, VBT)	11/13/2018 2:42 PM
18	sagittal balance, decompensation risk factors	11/13/2018 2:33 PM
19	MIS surgery	11/13/2018 2:33 PM
20	How to decompress the spine	11/13/2018 2:29 PM
21	Treatment options of spondyloptosis	11/13/2018 2:26 PM
22	Eos	11/13/2018 2:23 PM
23	Guidelines	11/13/2018 2:18 PM
24	VBT	11/13/2018 2:16 PM
25	Osteotomies. How to individualize treatment.	11/13/2018 2:15 PM
26	debates about spinal balace	11/13/2018 2:13 PM
27	MIS procedures	11/12/2018 12:26 PM
28	techniques in correction the deformities	11/10/2018 12:04 PM
29	Teathering	11/9/2018 11:14 AM
30	Tethering	11/9/2018 9:47 AM
31	MIS	11/9/2018 7:03 AM
32	lumbar spine	11/9/2018 3:07 AM
33	growing rods	11/9/2018 2:20 AM
34	Deformity	11/9/2018 2:19 AM
35	anterior	11/8/2018 11:21 PM

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36	Brace treatment and perdition of progression	11/8/2018 11:11 PM
37	Tethering in AIS Patients	11/8/2018 2:36 PM
38	Tethering in early onset	11/8/2018 2:21 PM
39	Subject specific musculoskeletal modelling in spinal deformity Gait reeducation through instrumented 3D motion analysis (overground and treadmill)	11/8/2018 1:56 PM
40	Coronar dysbalance correction	11/8/2018 1:27 PM
41	Ar	11/8/2018 1:09 PM
42	Degenerative Deformity	11/8/2018 12:57 PM
43	intra operative planning implementation technology	11/8/2018 12:48 PM
44	three dimension	11/8/2018 11:38 AM
45	Role of navigation in pediatric deformity	11/8/2018 11:28 AM
46	Mis	11/8/2018 11:15 AM
47	Difficult to answer this question	11/8/2018 11:06 AM
48	surgical site infection PJK Osteoporosis	11/8/2018 10:59 AM
49	intersomatic healing	11/8/2018 10:45 AM
50	True robotic in spinal surgery like davinci not to put screw...	11/8/2018 10:22 AM
51	Efficient growing rod techniques	11/8/2018 10:22 AM
52	coming ideas of treatment	11/8/2018 10:14 AM

Q12 In which country do you primarily practice?

Answered: 61 Skipped: 4

#	RESPONSES	DATE
1	france	11/21/2018 3:59 AM
2	Denmark	11/20/2018 2:33 PM
3	France	11/16/2018 7:41 AM
4	Austria	11/16/2018 12:31 AM
5	Denmark	11/15/2018 1:32 AM
6	United Kingdom	11/14/2018 5:52 AM
7	Austria	11/14/2018 4:05 AM
8	Ivory coast	11/14/2018 3:23 AM
9	Germany	11/14/2018 2:48 AM
10	UK	11/14/2018 2:28 AM
11	UK	11/13/2018 4:30 PM
12	Sweden	11/13/2018 3:54 PM
13	DK	11/13/2018 3:48 PM
14	france	11/13/2018 3:39 PM
15	Uk	11/13/2018 3:17 PM
16	Sweden	11/13/2018 2:54 PM
17	Ireland	11/13/2018 2:48 PM
18	Germany	11/13/2018 2:42 PM
19	czech republic	11/13/2018 2:33 PM
20	Switzerland	11/13/2018 2:33 PM
21	UK	11/13/2018 2:29 PM
22	Germany	11/13/2018 2:26 PM
23	Finland	11/13/2018 2:25 PM
24	France	11/13/2018 2:23 PM
25	Switzerland	11/13/2018 2:18 PM
26	Switzerland	11/13/2018 2:16 PM
27	Denmark	11/13/2018 2:15 PM
28	France	11/13/2018 2:14 PM
29	Switzerland	11/13/2018 2:13 PM
30	Finland	11/12/2018 12:26 PM
31	Clocheville hospital in Tours-France	11/10/2018 12:04 PM
32	Denmark	11/9/2018 11:14 AM
33	Finland	11/9/2018 9:47 AM
34	France	11/9/2018 7:03 AM
35	sweden	11/9/2018 4:13 AM

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36	Germaby	11/9/2018 3:07 AM
37	UK	11/9/2018 2:35 AM
38	Germany	11/9/2018 2:30 AM
39	egypt	11/9/2018 2:20 AM
40	EGYPT	11/9/2018 2:19 AM
41	uk	11/8/2018 11:21 PM
42	Sweden	11/8/2018 11:11 PM
43	Germany	11/8/2018 2:36 PM
44	Ger	11/8/2018 2:21 PM
45	Belgium	11/8/2018 1:56 PM
46	Czech	11/8/2018 1:27 PM
47	Sweden	11/8/2018 1:11 PM
48	Uk	11/8/2018 1:09 PM
49	Germany	11/8/2018 12:57 PM
50	United Kingdom	11/8/2018 12:48 PM
51	UK	11/8/2018 12:23 PM
52	Finland	11/8/2018 11:38 AM
53	Germany,	11/8/2018 11:28 AM
54	United Kingdom	11/8/2018 11:15 AM
55	Switzerland	11/8/2018 11:06 AM
56	Germany	11/8/2018 10:59 AM
57	france	11/8/2018 10:45 AM
58	Schweiz	11/8/2018 10:25 AM
59	France	11/8/2018 10:22 AM
60	France	11/8/2018 10:22 AM
61	Germany	11/8/2018 10:14 AM