

Rapid sequence induction - RSI (questionnaire)

Question 1

Your official working position

Answer Choices	Responses
Anaesthesiologist (completed training)	76.55% 1469
Anaesthesiologist trainee	22.09% 424
Anaesthesiologic Nurse	0.47% 9
Other (please specify)	0.89% 17
Answered 1919	
Skipped 2	



Question 2

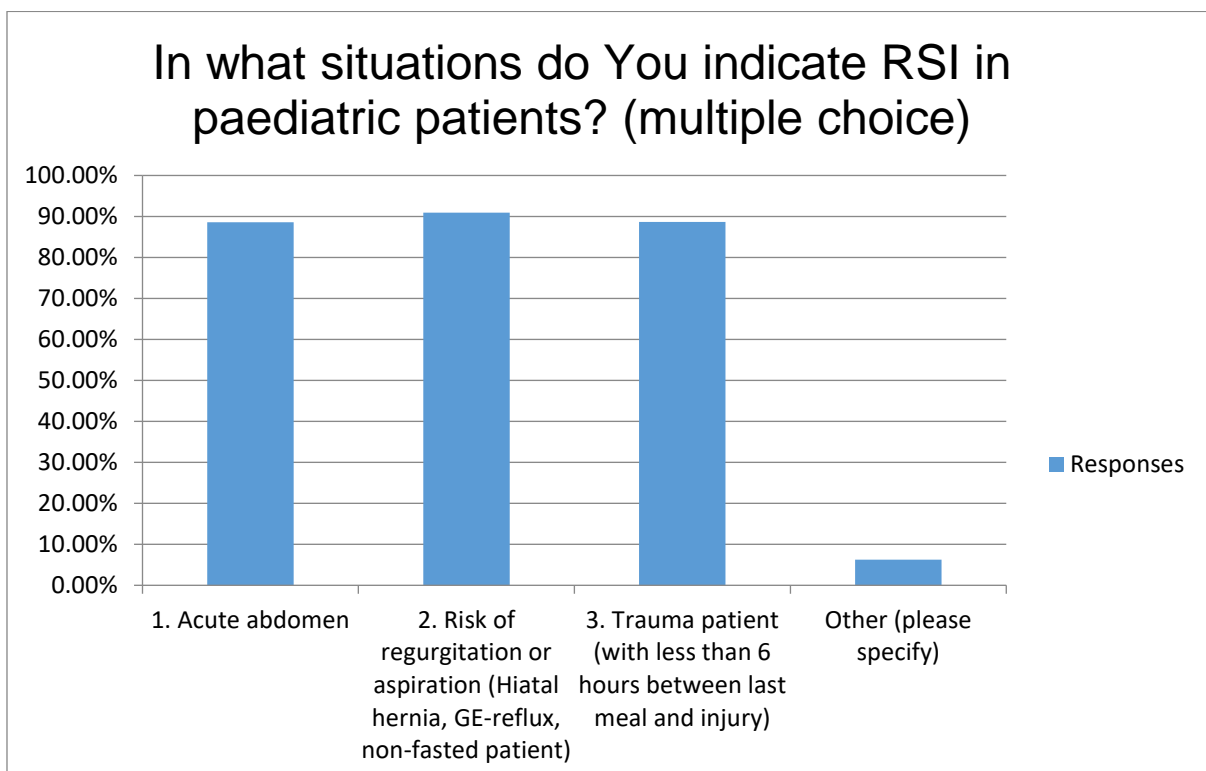
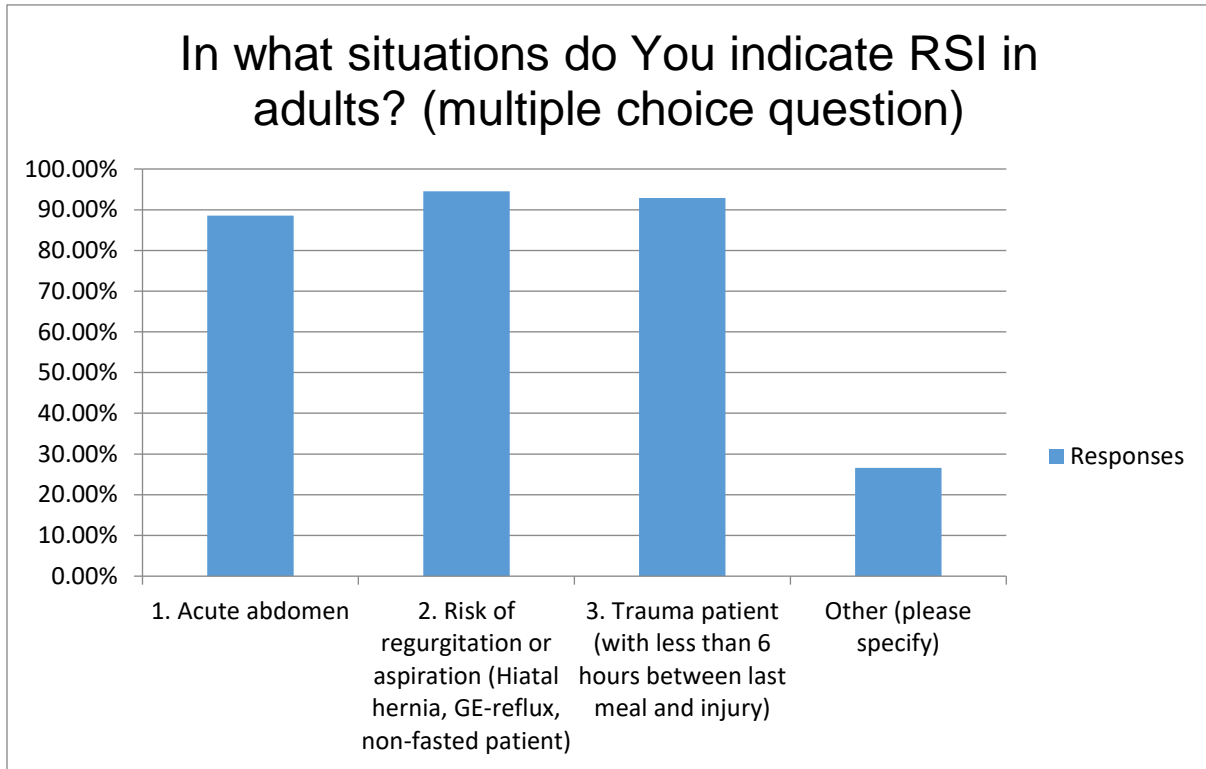
Rapid sequence induction - RSI (questionnaire)

Your anaesthesiology practice is located?

Answer Choices	Responses	Answer Choices	Responses
Albania	0.58% 11	Malta	0.32% 6
Andorra	0.00% 0	Moldova	0.16% 3
Armenia	0.16% 3	Monaco	0.00% 0
Austria	3.95% 75	Montenegro	0.00% 0
Azerbaijan	0.11% 2	Netherlands	4.68% 89
Belarus	0.11% 2	North Macedonia	0.47% 9
Belgium	3.63% 69	Norway	1.32% 25
Bosnia and Herzegovina	0.63% 12	Poland	2.84% 54
Bulgaria	0.84% 16	Portugal	4.63% 88
Croatia	1.63% 31	Romania	4.11% 78
Cyprus	0.32% 6	Russia	1.79% 34
Czech Republic	8.11% 154	San Marino	0.00% 0
Denmark	0.58% 11	Serbia	0.53% 10
Estonia	0.21% 4	Slovakia	1.79% 34
Finland	0.37% 7	Slovenia	1.11% 21
France	1.84% 35	Spain	5.00% 95
Georgia	0.21% 4	Sweden	2.11% 40
Germany	9.00% 171	Switzerland	4.63% 88
Greece	2.53% 48	Turkey	1.32% 25
Hungary	2.16% 41	Ukraine	1.11% 21
Iceland	0.05% 1	United Kingdom	4.84% 92
Ireland	0.53% 10	Vatican City	0.00% 0
Italy	2.37% 45	Other (Australia and Oceania)	2.26% 43
Israel	0.74% 14	Other (Africa)	1.74% 33
Kazakhstan	0.00% 0	Other (Asia)	5.74% 109
Latvia	0.68% 13	Other (North America)	2.37% 45
Liechtenstein	0.00% 0	Other (South and Middle America)	2.89% 55
Lithuania	0.79% 15		Answered 1900
Luxembourg	0.16% 3		Skipped 21

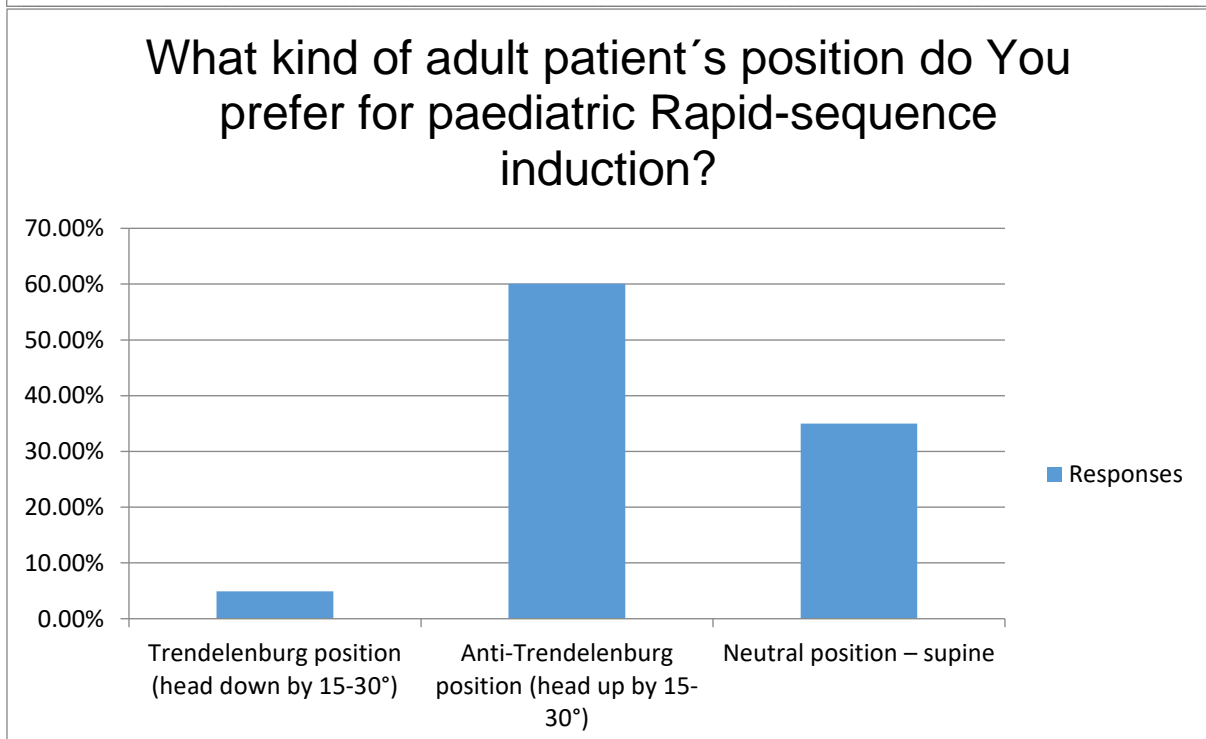
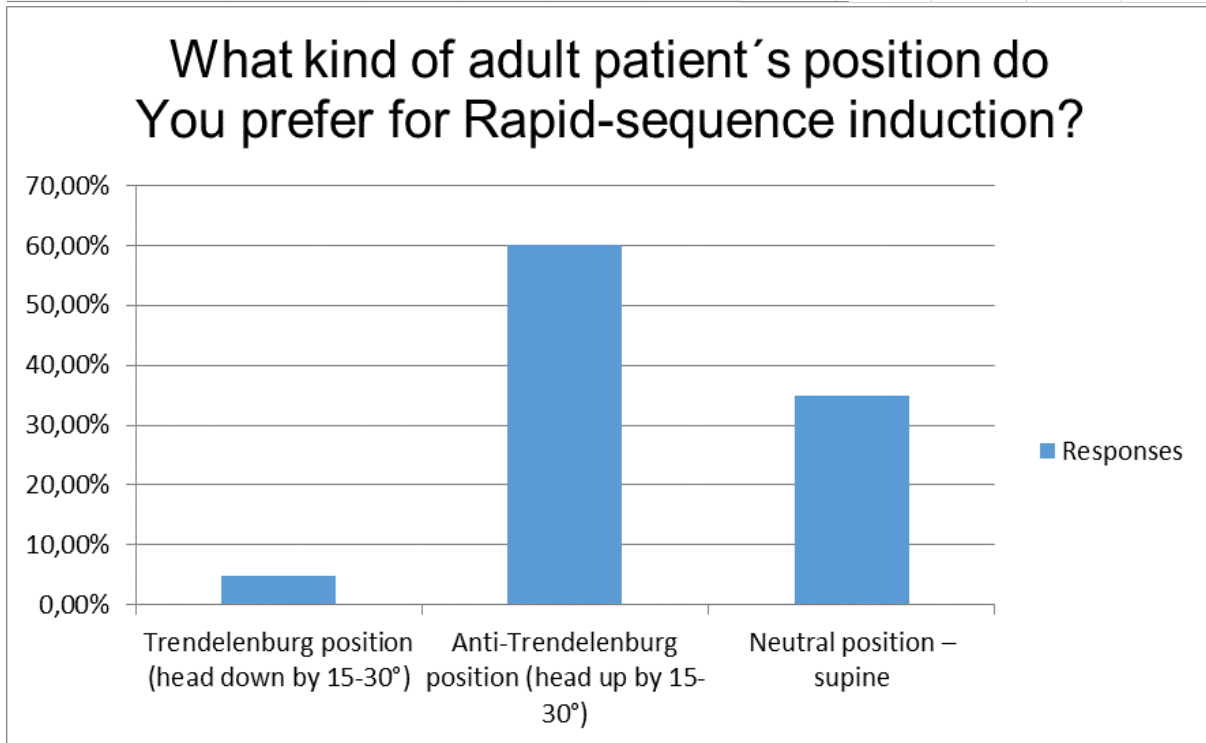
Question 3 and 14

In what situations do You indicate RSI? (multiple choice question)					
Answer Choices	Adult		Paed		Total
1. Acute abdomen	1546	88,55%	1304	88,59%	2850
2. Risk of regurgitation or aspiration (Hiatal hernia, GE-reflux, non-fasted patient)	1651	94,56%	1339	90,96%	2990
3. Trauma patient (with less than 6 hours between last meal and injury)	1621	92,84%	1305	88,65%	2926
Other (please specify)	464	26,58%	92	6,25%	556



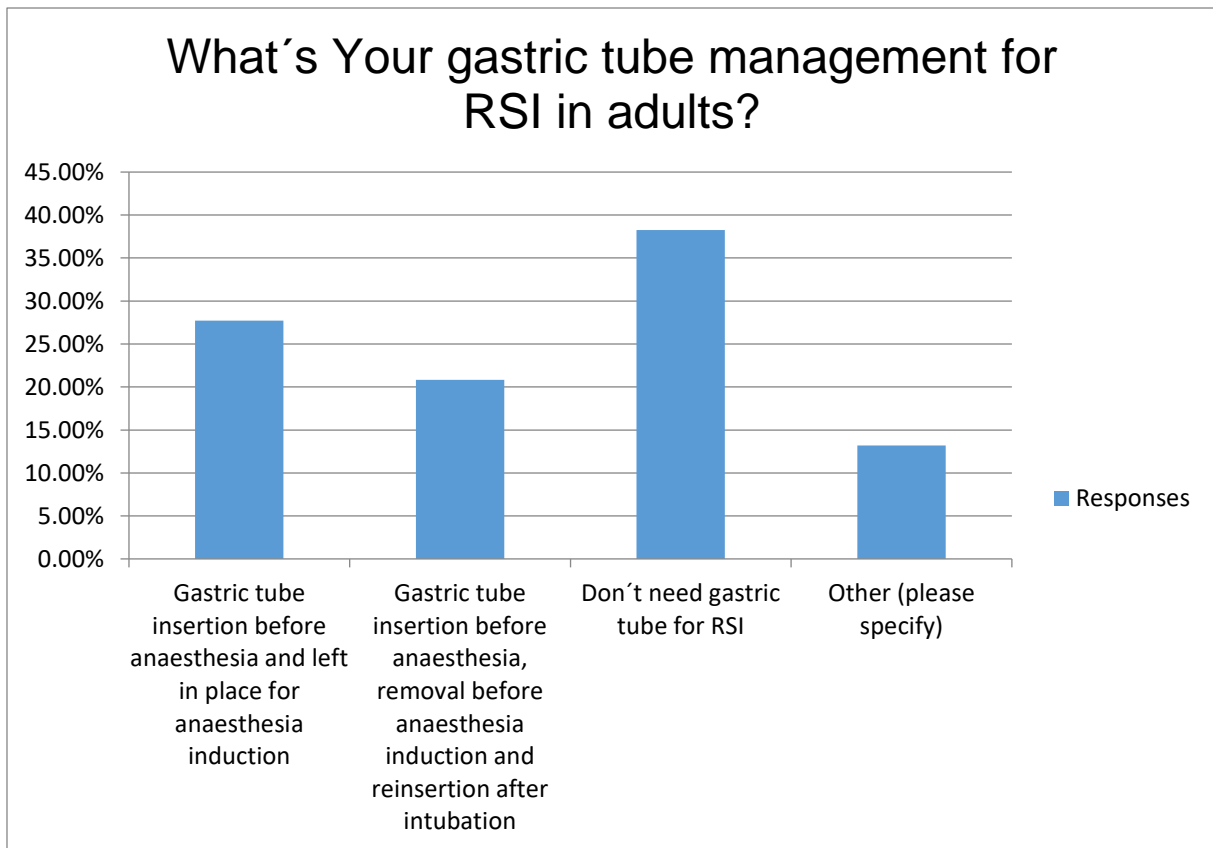
Question 4 and 16

What kind of patient's position do You prefer for Rapid-sequence induction?					
Answer Choices	Adult		Paed		Total
Trendelenburg position (head down by 15-30°)	86	4,91%	74	5,11%	160
Anti-Trendelenburg position (head up by 15-30°)	1052	60,08%	637	44,02%	1689
Neutral position – supine	613	35,01%	736	50,86%	1349
Totals	1751		1447		3198



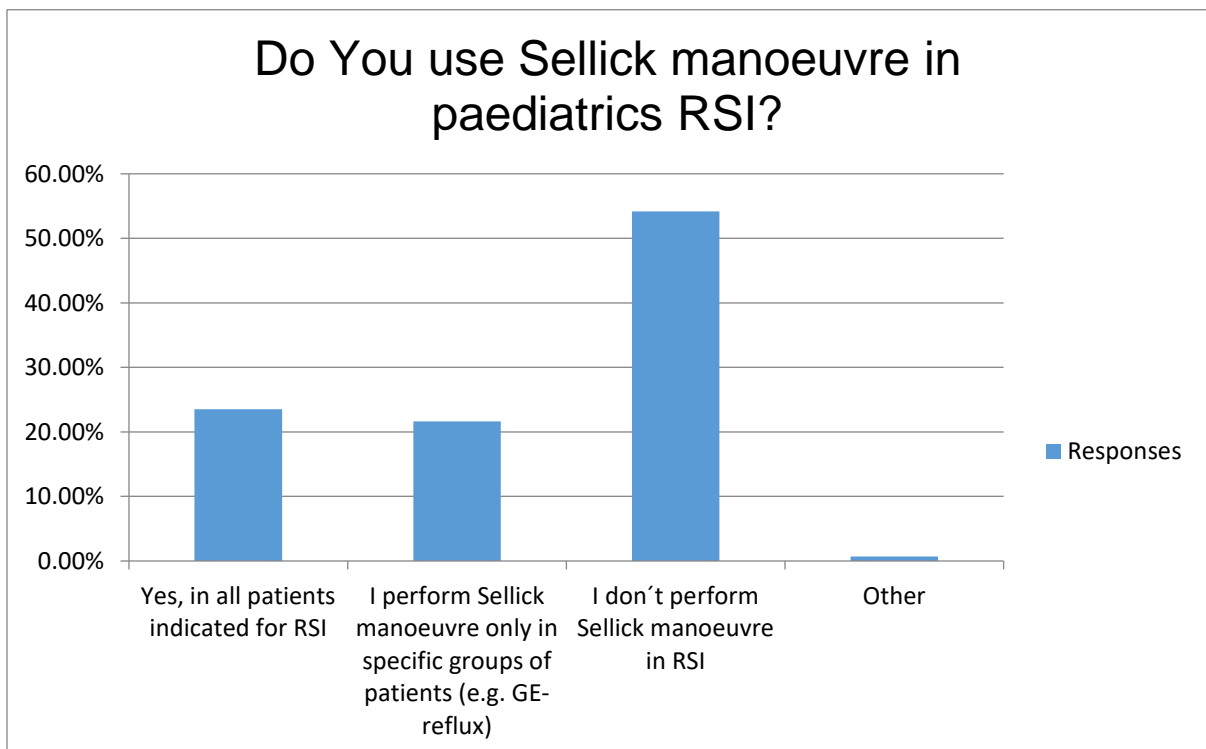
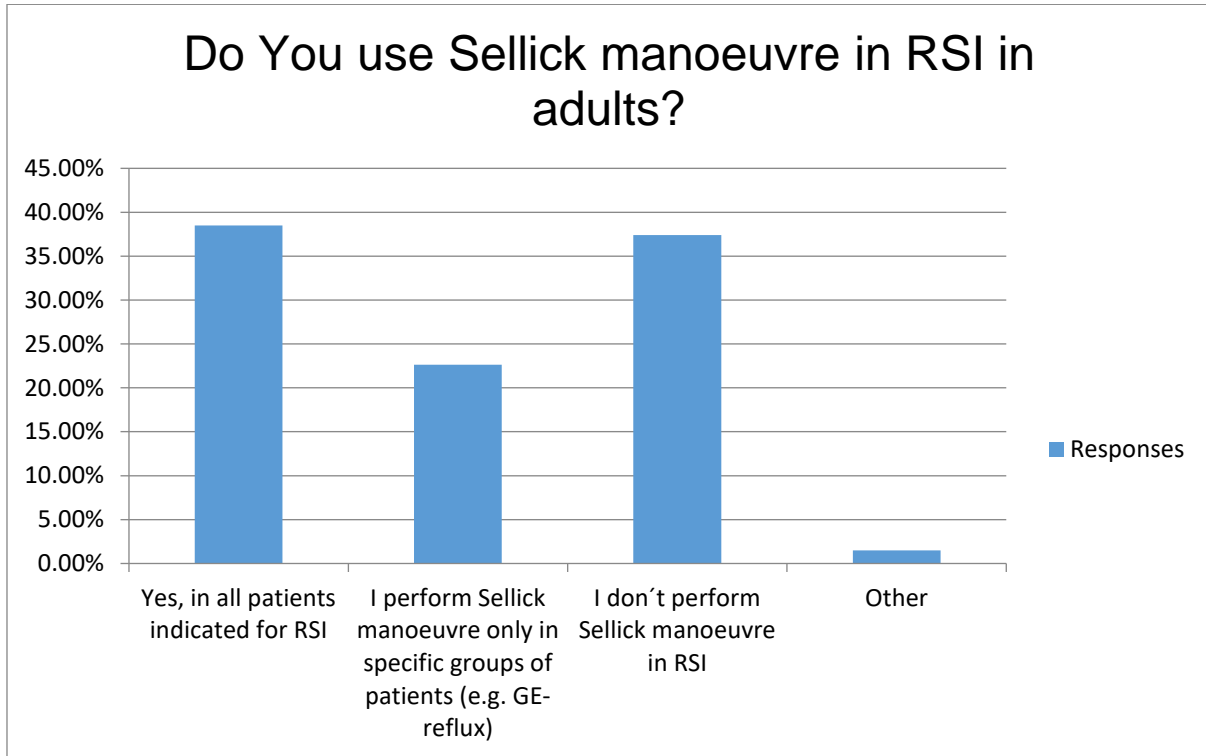
Question 5

What's Your gastric tube management for RSI in adults?		
Answer Choices	Responses	
Gastric tube insertion before anaesthesia and left in place for anaesthesia in	27,73%	485
Gastric tube insertion before anaesthesia, removal before anaesthesia indu	20,81%	364
Don't need gastric tube for RSI	38,25%	669
Other (please specify)	13,21%	231
	Answers	1749
	Skipped	172



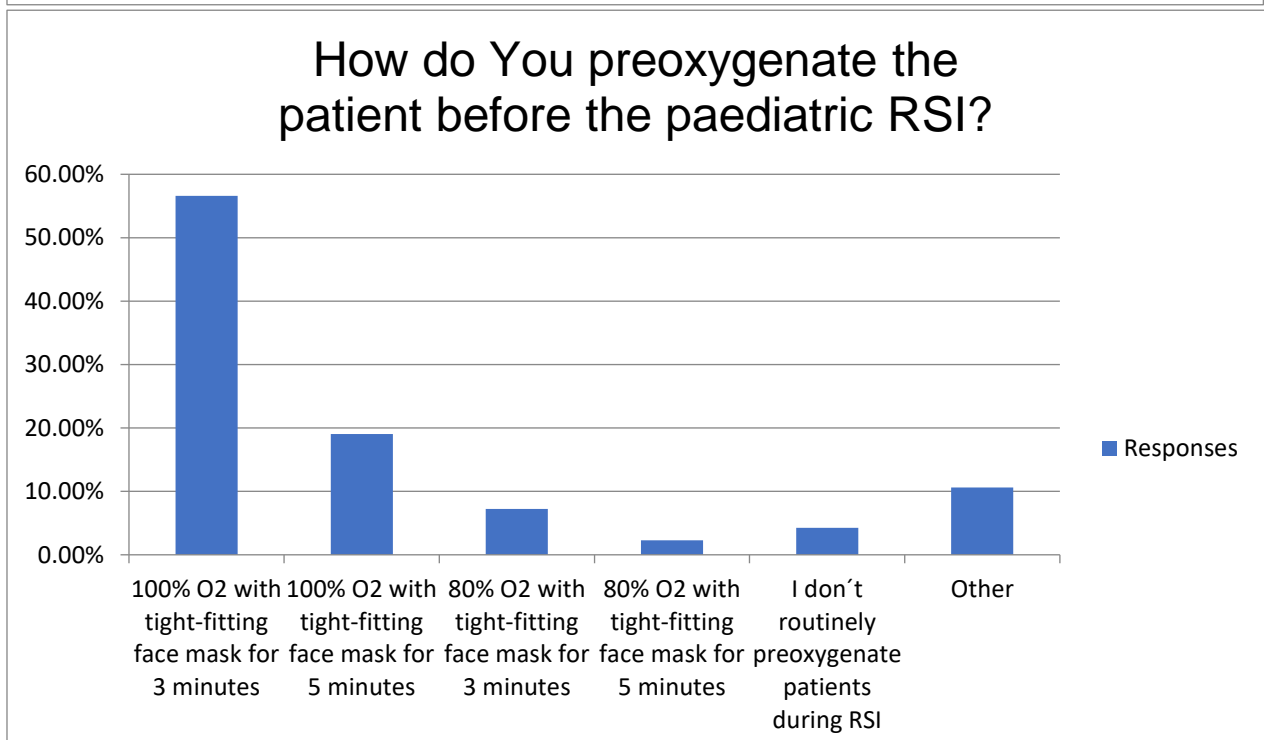
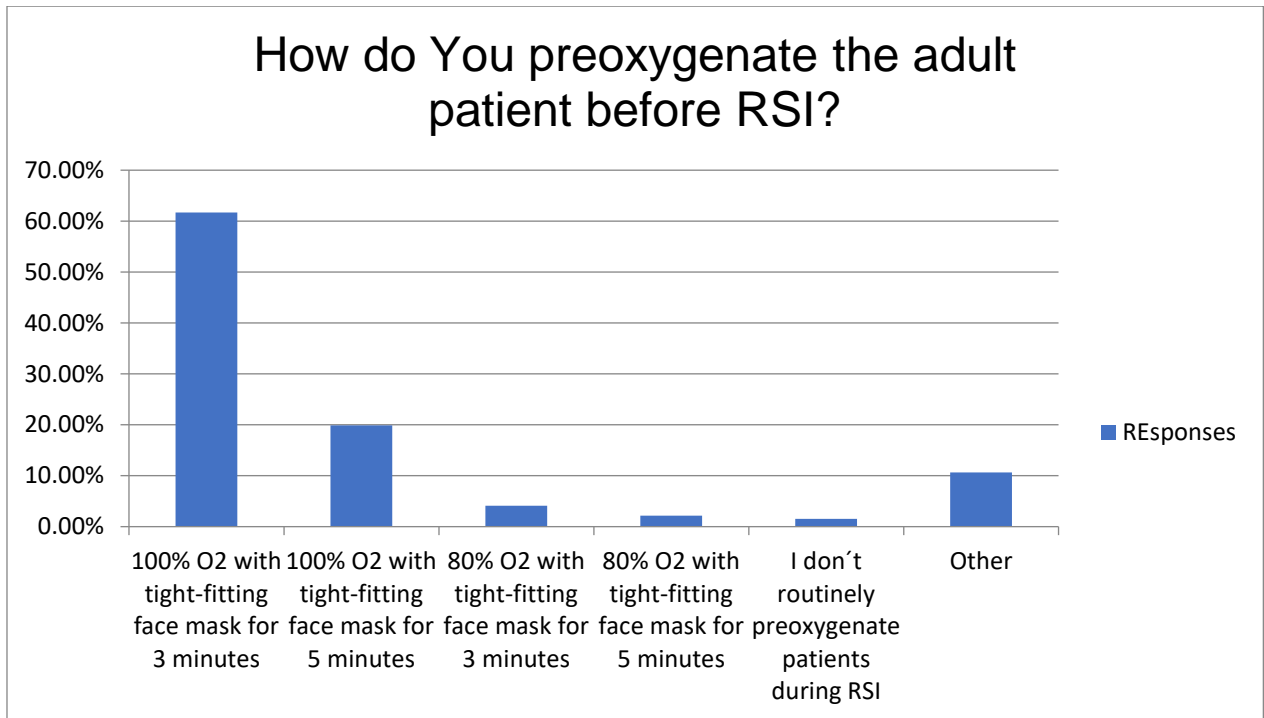
Question 6 and 17

Do You use Sellick manoeuvre in RSI?		Adult		Paed		Total
Answer Choices						
Yes, in all patients indicated for RSI		675	38,48%	340	23,50%	1015
I perform Sellick manoeuvre only in specific groups of patients (e.g. GE-reflux)		397	22,63%	313	21,63%	710
I don't perform Sellick manoeuvre in RSI		656	37,40%	784	54,18%	1440
Other		26	1,48%	10	0,69%	36
Totals		1754		1447		3201



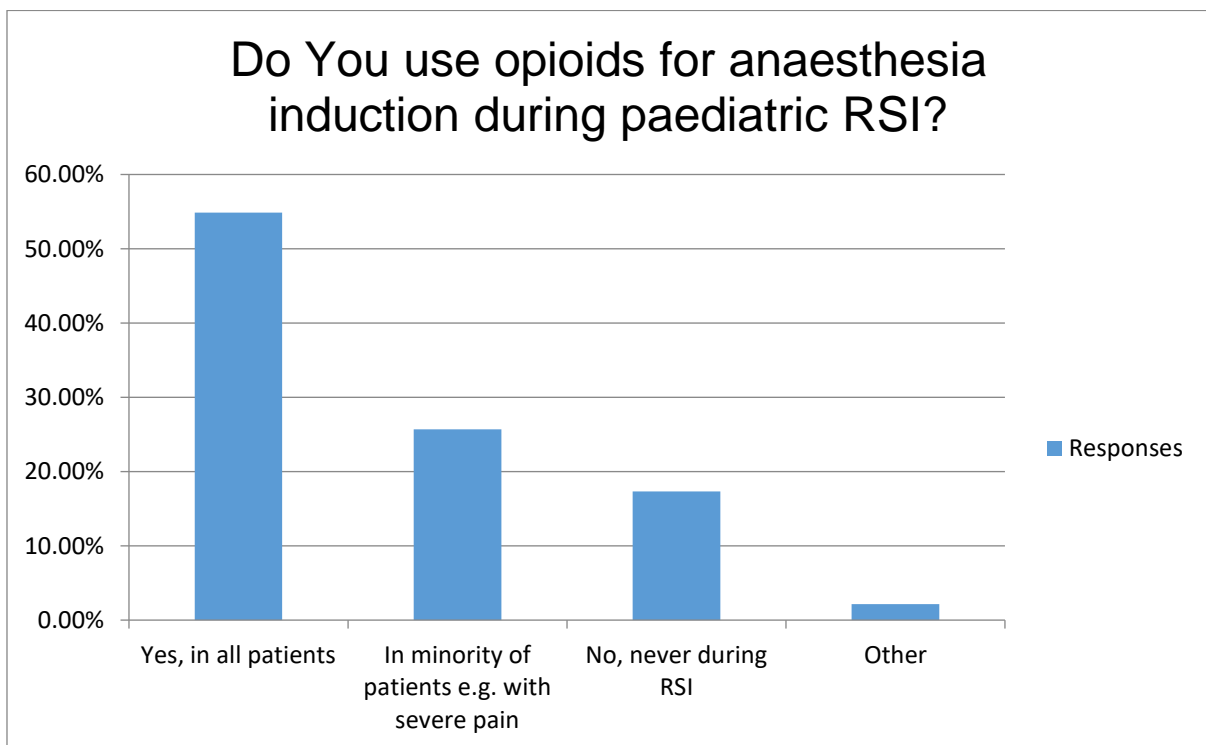
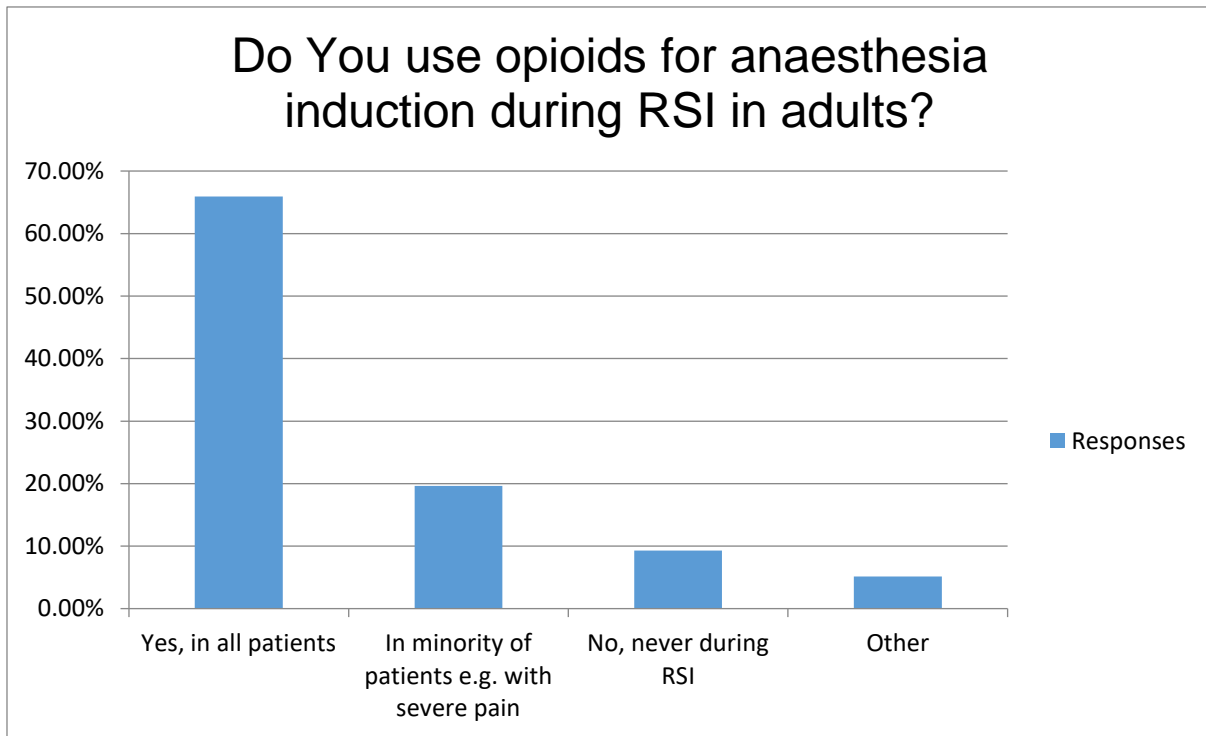
Question 7 and 18

How do You preoxygenate the patient before RSI?					
Answer Choices	Adult		Paed		Total
100% O2 with tight-fitting face mask for 3 minutes	1081	61,70%	817	56,62%	1898
100% O2 with tight-fitting face mask for 5 minutes	348	19,86%	275	19,06%	623
80% O2 with tight-fitting face mask for 3 minutes	72	4,11%	104	7,21%	176
80% O2 with tight-fitting face mask for 5 minutes	38	2,17%	33	2,29%	71
I don't routinely preoxygenate patients during RSI	27	1,54%	61	4,23%	88
Other	186	10,62%	153	10,60%	339
Totals	1752		1443		3195



Question 8 and 19

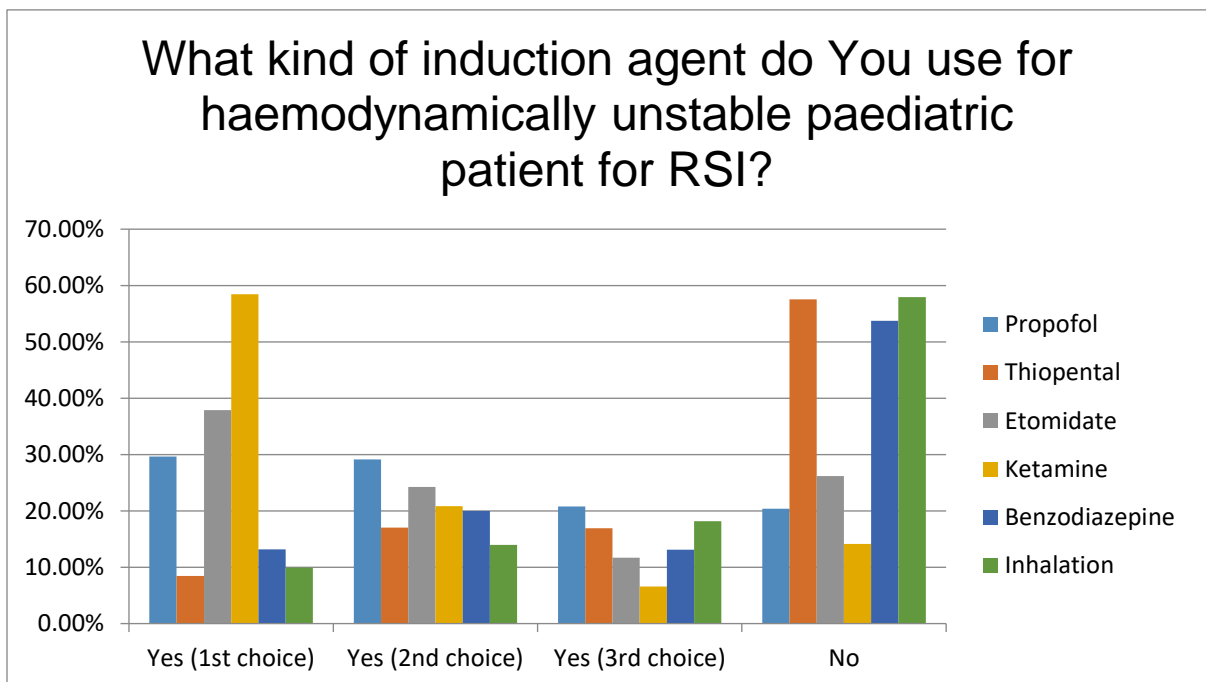
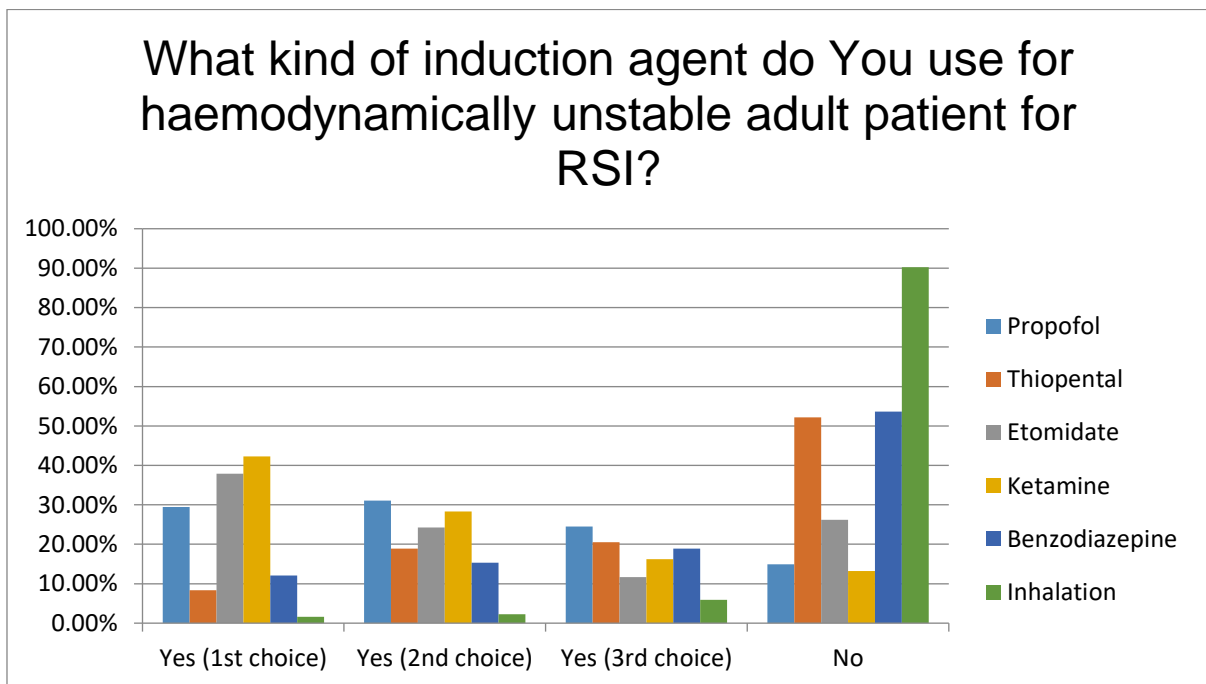
Do You use opioids for anaesthesia induction during RSI?					
Answer Choices	Adult		Paed		Total
Yes, in all patients	1156	65,94%	792	54,85%	1948
In minority of patients e.g. with severe pain	344	19,62%	371	25,69%	715
No, never during RSI	163	9,30%	250	17,31%	413
Other	90	5,13%	31	2,15%	121
Totals	1753		1444		3197



Question 9 and 21

What kind of induction agent do You use for haemodynamically unstable patient for RSI? (choose only one option for 1st, 2nd and 3rd choice)															
Answer Choices	Propofol					Thiopental/Thiopentone					Etomidate				
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total			
Yes (1st choice)	463	29,45%	348	29,67%	811	107	8,36%	84	8,47%	191	560	37,86%	166	16,75%	726
Yes (2nd choice)	489	31,11%	342	29,16%	831	242	18,91%	169	17,04%	411	359	24,27%	191	19,27%	550
Yes (3rd choice)	385	24,49%	244	20,80%	629	263	20,55%	168	16,94%	431	173	11,70%	86	8,68%	259
No	235	14,95%	239	20,38%	474	668	52,19%	571	57,56%	1239	387	26,17%	548	55,30%	935
Totals	1572		1173		2745	1280		992		2272	1479		991		2470

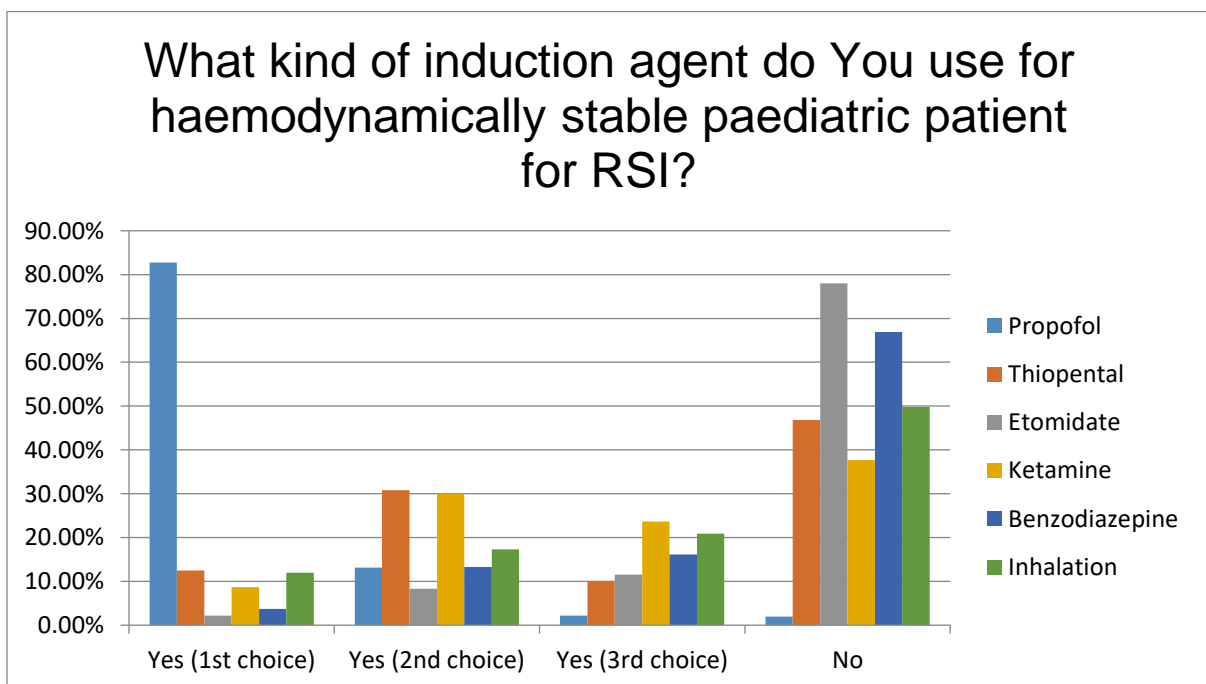
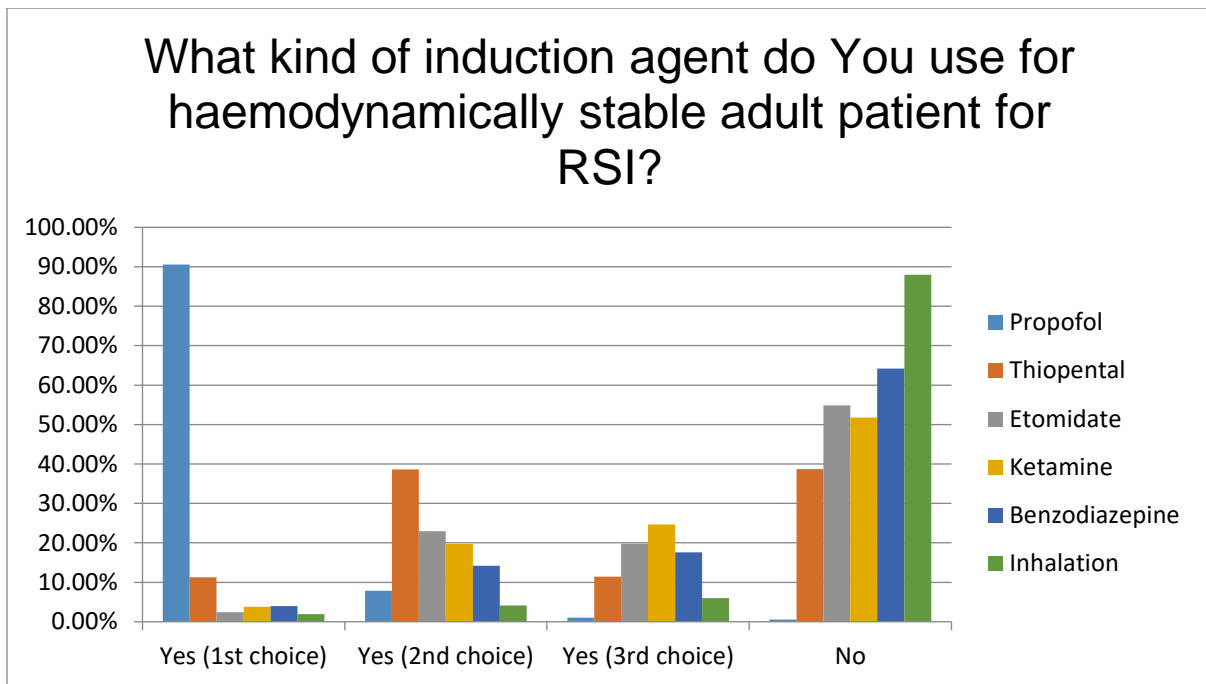
What kind of induction agent do You use for haemodynamically unstable patient for RSI? (choose only one option for 1st, 2nd and 3rd choice)															
Answer Choices	Ketamine				Benzodiazepine – e.g. midazolam				Inhalation induction with sevoflurane						
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total			
Yes (1st choice)	664	42,29%	748	58,44%	1412	158	12,11%	136	13,19%	294	20	1,64%	104	9,94%	124
Yes (2nd choice)	444	28,28%	267	20,86%	711	200	15,33%	206	19,98%	406	27	2,22%	146	13,96%	173
Yes (3rd choice)	255	16,24%	84	6,56%	339	247	18,93%	135	13,09%	382	72	5,92%	190	18,16%	262
No	207	13,18%	181	14,14%	388	700	53,64%	554	53,73%	1254	1098	90,22%	606	57,93%	1704
Totals	1570		1280		2850	1305		1031		2336	1217		1046		2263



Question 10 and 20

What kind of induction agent do You use for haemodynamically stable patient for RSI? (choose only one option for 1st, 2nd and 3rd choice)															
Answer Choices	Propofol					Thiopental/Thiopentone					Etomidate				
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total			
Yes (1st choice)	1571	90,60%	1153	82,77%	2724	158	11,24%	136	12,47%	294	31	2,38%	20	2,15%	51
Yes (2nd choice)	136	7,84%	183	13,14%	319	543	38,62%	336	30,80%	879	299	22,98%	77	8,29%	376
Yes (3rd choice)	18	1,04%	30	2,15%	48	161	11,45%	108	9,90%	269	257	19,75%	107	11,52%	364
No	9	0,52%	27	1,94%	36	544	38,69%	511	46,84%	1055	714	54,88%	725	78,04%	1439
Totals	1734		1393		3127	1406		1091		2497	1301		929		2230

What kind of induction agent do You use for haemodynamically stable patient for RSI? (choose only one option for 1st, 2nd and 3rd choice)													
Answer Choices	Ketamine			Benzodiazepine – e.g. midazolam			Inhalation induction with sevoflurane						
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total				
Yes (1st choice)	48	3,81%	145	49	3,96%	86	23	1,94%	132	12,00%	155		
Yes (2nd choice)	249	19,75%	585	176	14,23%	307	49	4,13%	190	17,27%	239		
Yes (3rd choice)	311	24,66%	576	218	17,62%	377	71	5,98%	230	20,91%	301		
No	653	51,78%	1075	794	64,19%	1454	1044	87,95%	548	49,82%	1592		
Totals	1261		2381	1237		2224	1187		1100		2287		

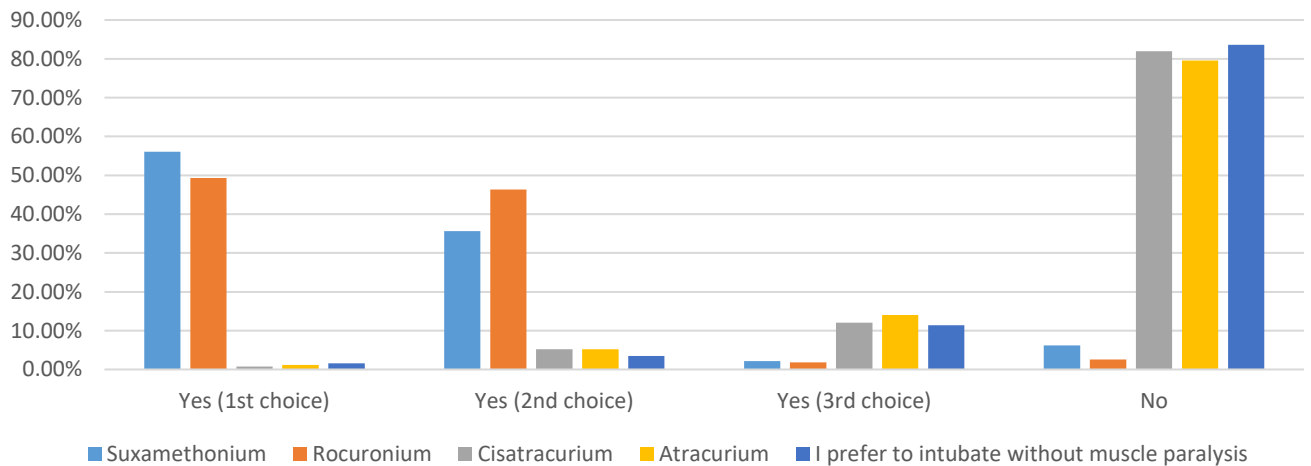


Question 11 and 22

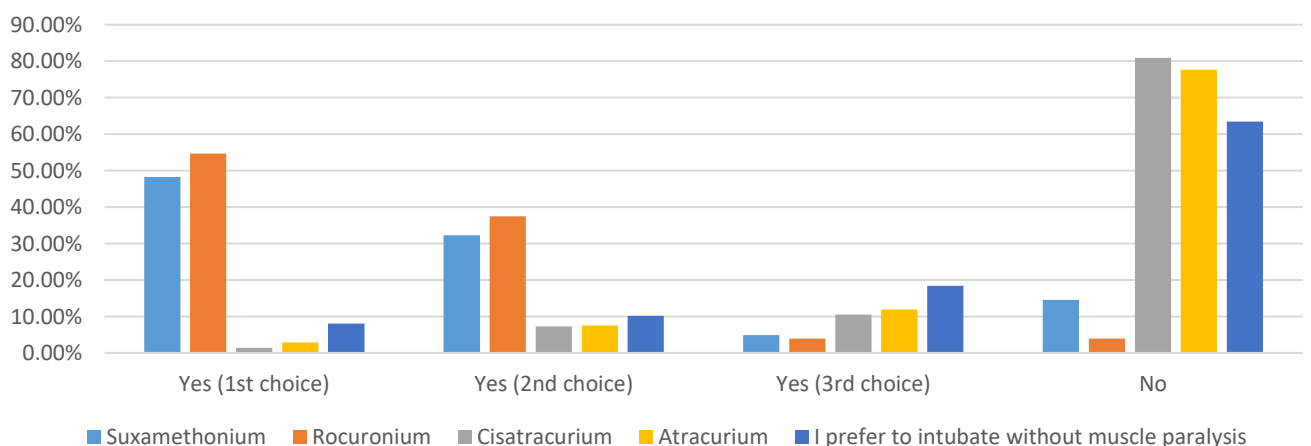
What kind of muscle relaxant do You prefer for anaesthesia induction during RSI?(choose only one option for 1st, 2nd and 3rd choice)															
Answer Choices	Suxamethonium					Rocuronium					Cisatracurium				
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total			
Yes (1st choice)	932	56,04%	620	48,25%	1552	836	49,32%	741	54,69%	1577	9	0,74%	13	1,36%	22
Yes (2nd choice)	592	35,60%	415	32,30%	1007	785	46,31%	508	37,49%	1293	64	5,25%	69	7,23%	133
Yes (3rd choice)	36	2,16%	63	4,90%	99	31	1,83%	53	3,91%	84	147	12,05%	100	10,48%	247
No	103	6,19%	187	14,55%	290	43	2,54%	53	3,91%	96	1000	81,97%	772	80,92%	1772
Totals	1663		1285		2948	1695		1355		3050	1220		954		2174

What kind of muscle relaxant do You prefer for anaesthesia induction during RSI?(choose only one option for 1st, 2nd and 3rd choice)															
Answer Choices	Atracurium					I prefer to intubate without muscle paralysis									
	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total	Adult	Paed	Total
Yes (1st choice)	15	1,20%	28	2,89%	43	20	1,60%	83	8,03%	103					
Yes (2nd choice)	65	5,18%	73	7,54%	138	43	3,44%	105	10,15%	148					
Yes (3rd choice)	176	14,04%	115	11,88%	291	142	11,37%	190	18,38%	332					
No	998	79,59%	752	77,69%	1750	1044	83,59%	656	63,44%	1700					
Totals	1254		968		2222	1249		1034		2283					

What kind of muscle relaxant do You prefer for anaesthesia induction during adult RSI?(choose only one option for 1st, 2nd and 3rd choice)

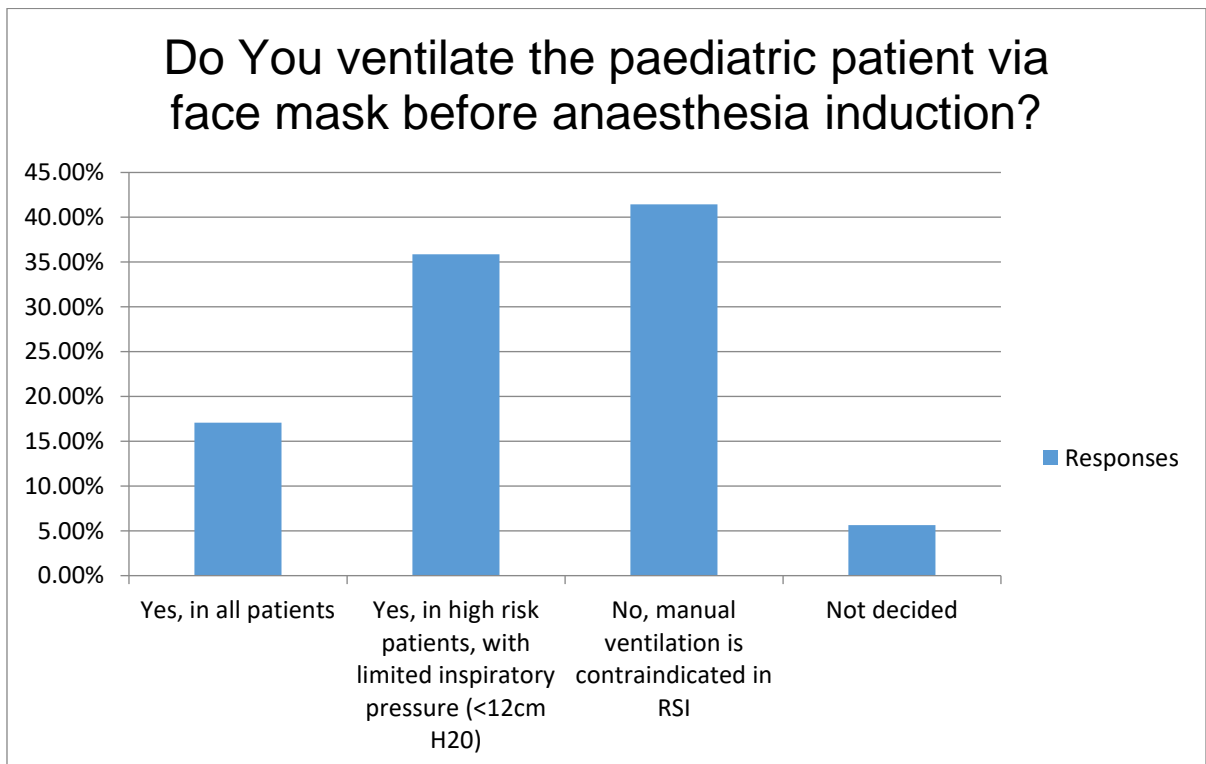
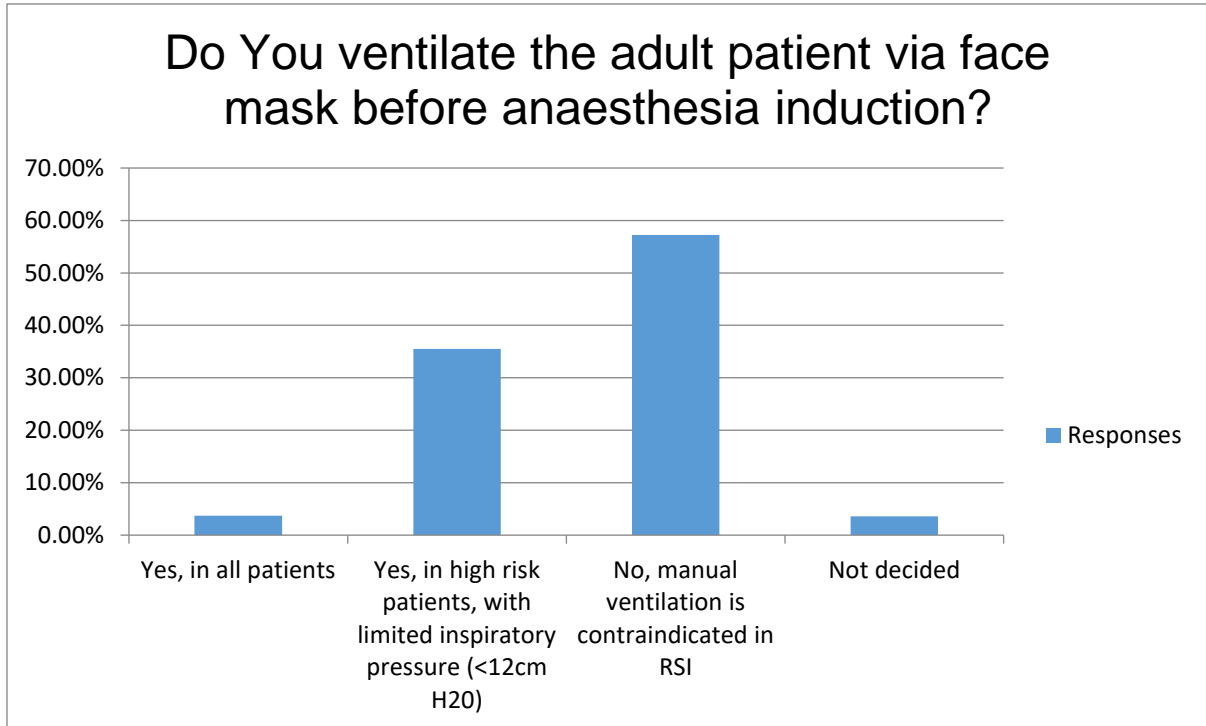


What kind of muscle relaxant do You prefer for anaesthesia induction during paediatric RSI?(choose only one option for 1st, 2nd and 3rd choice)



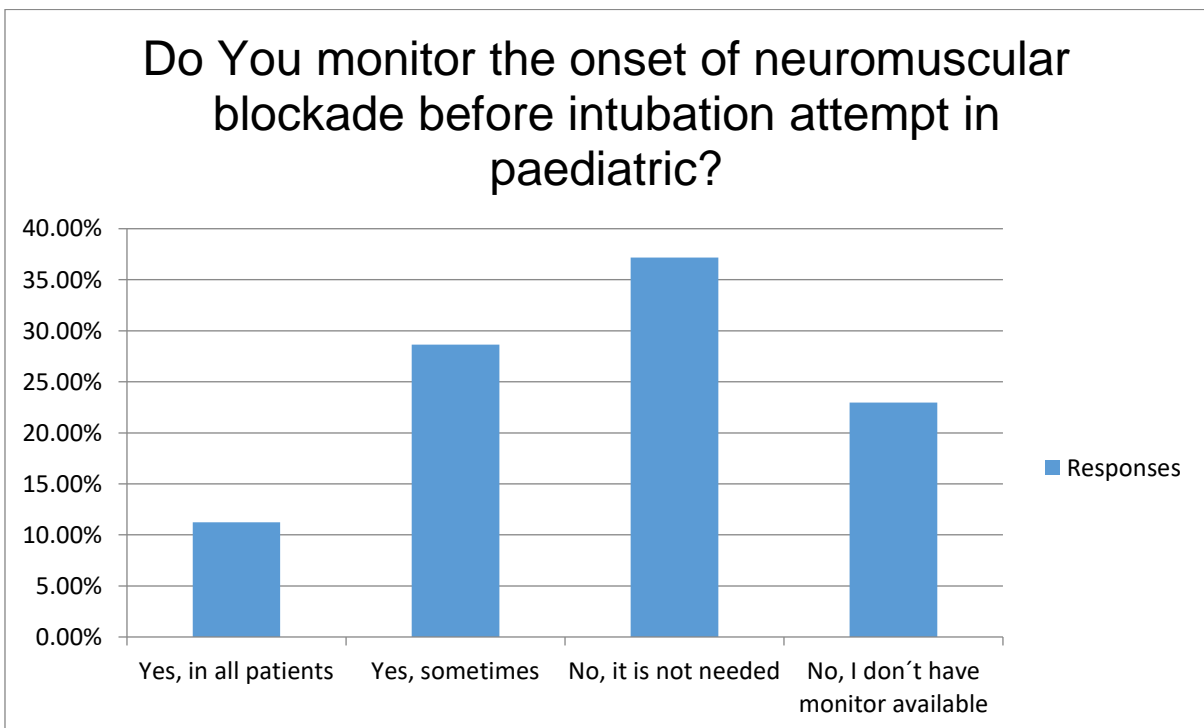
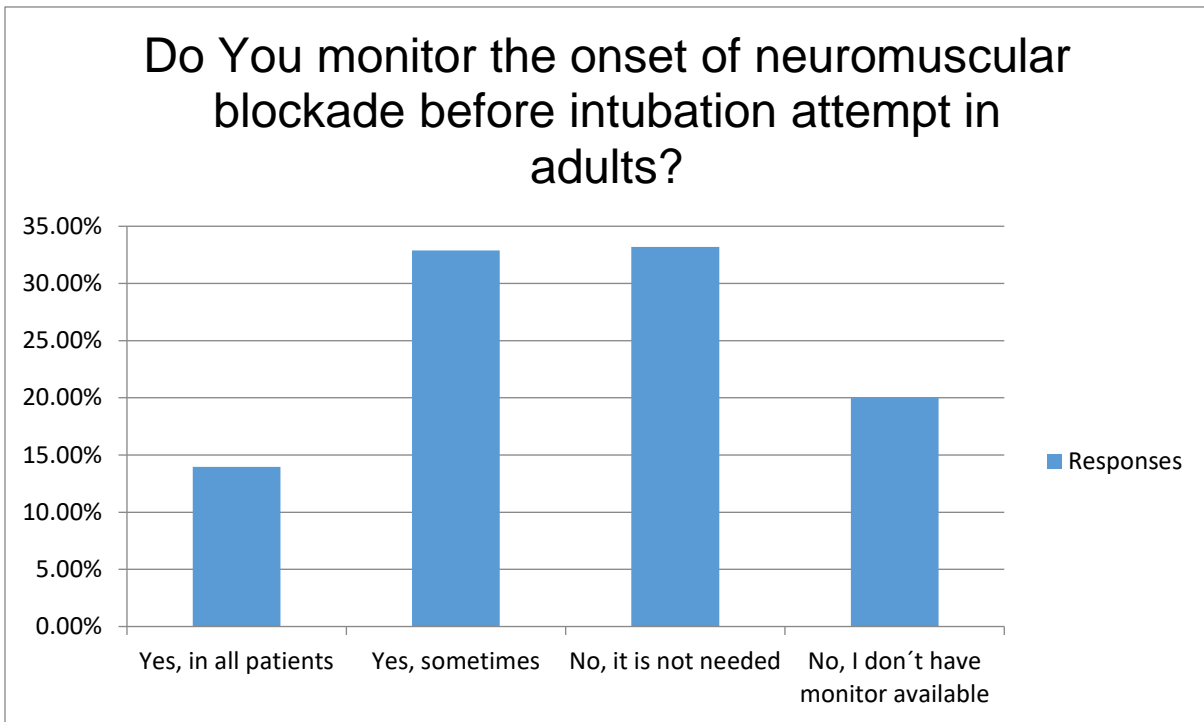
Question 12 and 23

Do You ventilate the patient via face mask before anaesthesia induction (before first intubation attempt)?					
Answer Choices	Adult		Paed		Total
Yes, in all patients	65	3,71%	246	17,07%	311
Yes, in high risk patients, with limited inspiratory pressure (<12cm H20)	622	35,48%	517	35,88%	1139
No, manual ventilation is contraindicated in RSI	1003	57,22%	597	41,43%	1600
Not decided	63	3,59%	81	5,62%	144
Totals	1753		1441		3194



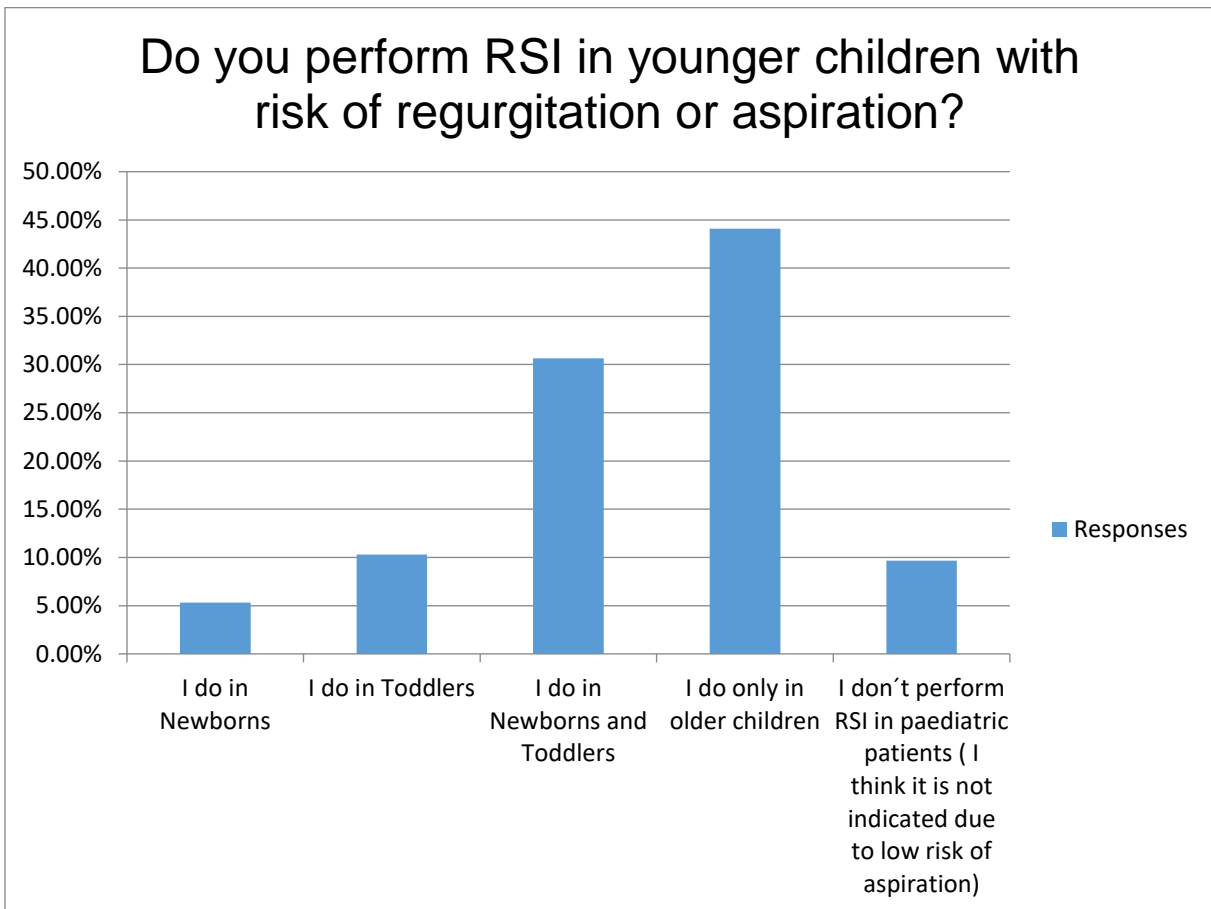
Question 13 and 24

Do You monitor the onset of neuromuscular blockade before intubation attempt?					
Answer Choices	Adult		Paed		Total
Yes, in all patients	244	13,96%	162	11,23%	406
Yes, sometimes	575	32,89%	413	28,64%	988
No, it is not needed	580	33,18%	536	37,17%	1116
No, I don't have monitor available	349	19,97%	331	22,95%	680
Totals	1748		1442		3190



Question 15

Do you perform RSI in younger children with risk of regurgitation or aspiration?		
Answer Choices	Responses	
I do in Newborns	5,31%	76
I do in Toddlers	10,29%	147
I do in Newborns and Toddlers	30,65%	438
I do only in older children	44,08%	630
I don't perform RSI in paediatric patients (I think it is not indicated due to low risk	9,66%	138
	Answers	1429
	Skipped	492



Question 25

Do You intubate the peadiatric patients indicated for RSI with cuffed tracheal tube?		
Answer Choices	Responses	
Yes, all of them	40,82%	585
Yes, except neonates	30,57%	438
Yes, except neonates and toddlers	16,25%	233
Yes, only older children (over 8 years)	10,11%	145
No	2,68%	32
	Answered	1433
	Skipped	488

