## **Supplemental Material**

An International anonymous online survey for neurointerventionalists

## Subgroup Analysis of survey respondents who treated >200 stroke patients

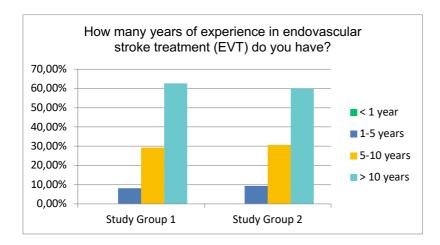
Study Groups according to the answer to Question 15 (Q15):

Study Group 1: considered vasospasm as a complication potentially influencing the patient's outcome

Study Group 2: did not consider vasospasm as a complication potentially influencing the patient's outcome

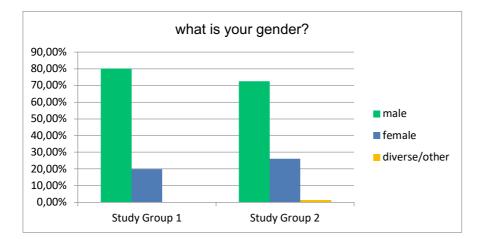
Q1: How many years of experience concerning endovascular stroke treatment do you have?

	< 1 ye	ar	1-5 yea	irs	5-10 yea	ars	> 10 ye	ears	To	tal
Study Group 1	0,00%	0	8,13%	10	29,27%	36	62,60%	77	45,05%	123
Study Group 2	0,00%	0	9,33%	14	30,67%	46	60,00%	90	54,95%	150
Total	0,00%	0	8,79%	24	30,04%	82	61,17%	167	100,00%	273
									Answered	273
									Skipped	0



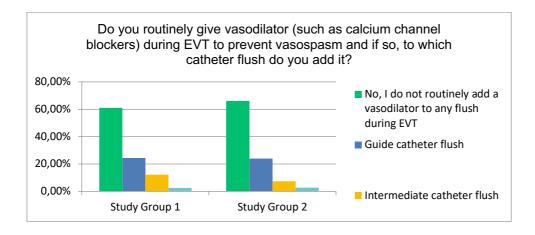
Q6: What is your gender?

	male	е	female		diverse/o	ther	Tota	ıl
Study Group 1	80,17%	97	19,83%	24	0,00%	0	44,81%	121
Study Group 2	72,48%	108	26,17%	39	1,34%	2	55,19%	149
Total	75,93%	205	23,33%	63	0,74%	2	100,00%	270
							Answered	270
					Skipped		Skipped	3



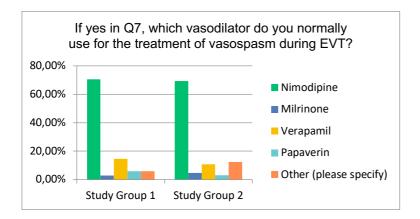
Q7: Do you routinely give vasodilator (such as calcium channel blockers) during EVT to prevent vasospasm and if so, to which catheter flush do you add it?

	a vasodi	not routinely add lator to any flush uring EVT		catheter sh	Intermed catheter f		Microcathe flush	eter	Total	
Study Group 1	60,98%	75	24,39%	30	12,20%	15	2,44%	3	45,05%	123
Study Group 2	66,00%	99	24,00%	36	7,33%	11	2,67%	4	54,95%	150
Total	63,74%	174	24,18%	66	9,52%	26	2,56%	7	100,00%	273
									Answered	273
									Skipped	0



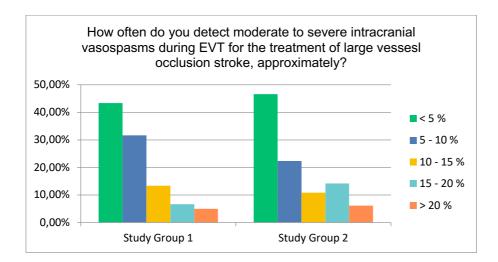
Q8: If yes in Q7, which vasodilator do you normally use for the treatment of vasospasm during EVT?

	Nimodip	ine	Milrinon	е	Verapan	nil	Papave	rin	Other (please	e specify)	Tota	ıl
Study Group 1	70,59%	48	2,94%	2	14,71%	10	5,88%	4	5,88%	4	51,13%	68
Study Group 2	69,23%	45	4,62%	3	10,77%	7	3,08%	2	12,31%	8	48,87%	65
Total	69,92%	93	3,76%	5	12,78%	17	4,51%	6	9,02%	12	100,00%	133
											Answered	133
											Skipped	140

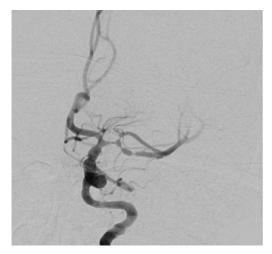


Q10: How often do you detect moderate to severe intracranial vasospasms during EVT for the treatment of large vessel occlusion stroke, approximately?

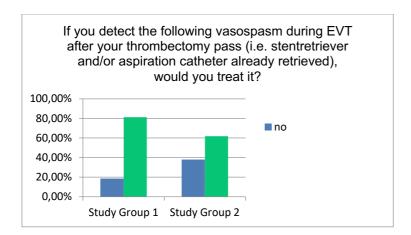
	< 5 9	%	5 - 10 %		10 - 15	%	15 - 20	%	> 20	%	Total	
Study Group 1	43,33%	52	31,67%	38	13,33%	16	6,67%	8	5,00%	6	44,78%	120
Study Group 2	46,62%	69	22,30%	33	10,81%	16	14,19%	21	6,08%	9	55,22%	148
Total	45,15%	121	26,49%	71	11,94%	32	10,82%	29	5,60%	15	100,00%	268
											Answered	268
											Skipped	5



Q11: If you detect the following vasospasm during EVT after your thrombectomy pass (i.e. stentretriever and/or aspiration catheter already retrieved), would you treat it?



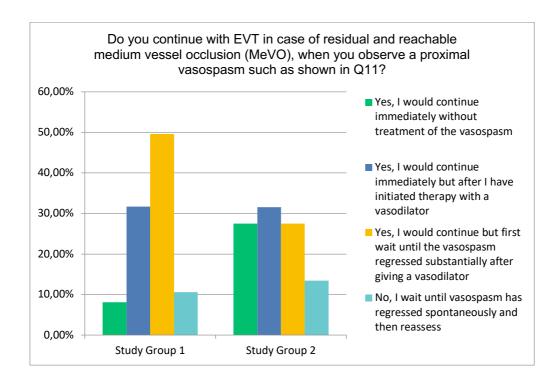
	no		which vas	w much milligram of sodilator would you now many minutes?	Total	
Study Group 1	18,70%	23	81,30%	100	45,05%	123
Study Group 2	38,00%	57	62,00%	93	54,95%	150
Total	29,30%	80	70,70%	193	100,00%	273
					Answered	273
					Skipped	0



Q12: Do you continue with EVT in case of residual and reachable medium vessel occlusion (MeVO), when you observe a proximal vasospasm such as shown in Q11?

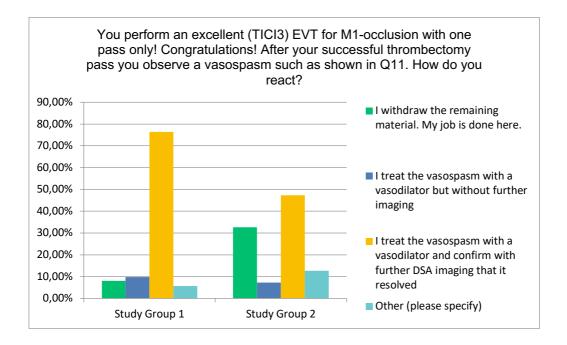
	cont immed without to	would inue diately reatment sospasm	Yes, I would continue immediately but after I have initiated therapy with a vasodilator		Yes, I would but first wait vasospasm r substantia giving a vas	until the egressed lly after	No, I wai vasospas regress spontane and then re	m has sed ously	Total	
Study Group 1	8,13%	10	31,71%	39	49,59%	61	10,57%	13	45,22%	123
Study Group 2	27,52%	41	31,54%	47	27,52%	41	13,42%	20	54,78%	149
Total	18,75%	51	31,62%	86	37,50%	102	12,13%	33	100,00%	272

				Answered	272
				Skipped	1

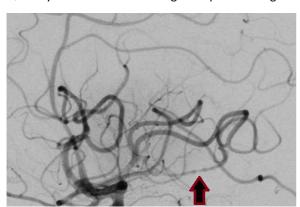


Q13: You perform an excellent (TICI 3) EVT for M1-occlusion with one pass only! Congratulations! After your successful thrombectomy pass you observe a vasospasm such as shown in Q11. How do you react?

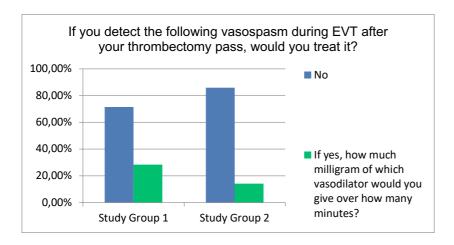
	I withdra remai material. is done	ning My job	I treat vasospas a vasodili without imag	sm with ator but further	with a va	firm with A imaging	Other (ple specify		Т	otal
Study Group 1	8,13%	10	9,76%	12	76,42%	94	5,69%	7	45,05%	123
Study Group 2	32,67%	49	7,33%	11	47,33%	71	12,67%	19	54,95%	150
Total	21,61%	59	8,42%	23	60,44%	165	9,52%	26	100,00%	273
									Answered	273
									Skipped	0



Q14: If you detect the following vasospasm during EVT after your thrombectomy pass, would you treat it?

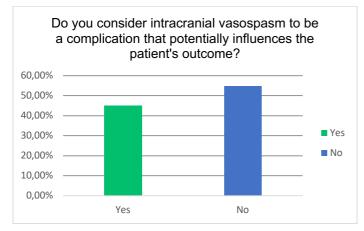


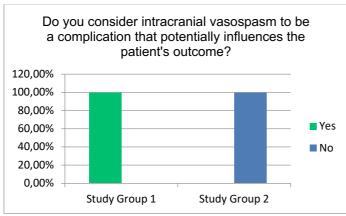
	No		which vaso	much milligram of dilator would you w many minutes?	Total	
Study Group 1	71,54%	88	28,46%	35	45,39%	123
Study Group 2	85,81%	127	14,19%	21	54,61%	148
Total	79,34%	215	20,66%	56	100,00%	271
					Answered	271
					Skipped	2



Q15: Do you consider intracranial vasospasm to be a complication that potentially influences the patient's outcome?

	Yes		No		Total	
Q15: Yes	100,00%	123	0,00%	0	45,05%	123
Q15: No	0,00%	0	100,00%	150	54,95%	150
Total	45,05%	123	54,95%	150	100,00%	273
					Answered	273
					Skipped	0

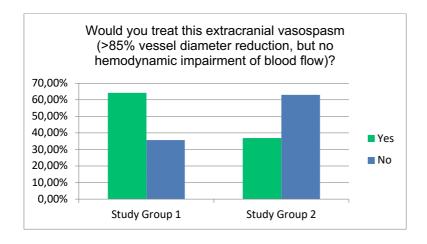




Q16: Would you treat this extracranial vasospasm (>85% vessel diameter reduction, but no hemodynamic impairment of blood flow)?



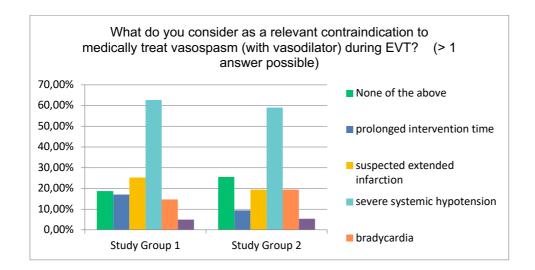
	Ye	S	No		Total	
Study Group 1	64,23%	79	35,77%	44	45,22%	123
Study Group 2	36,91%	55	63,09%	94	54,78%	149
Total	49,26%	134	50,74%	138	100,00%	272
					Answered	272
					Skipped	1



Q17: What do you consider as a relevant contraindication to medically treat vasospasm (with vasodilator) during EVT? (>1 answer possible)

	None of the above		prolonged intervention time		suspected extended infarction		severe systemic hypotension		bradycardia		Other (please specify)		Total	
Study Group 1	18,70%	23	17,07%	21	25,20%	31	62,60%	77	14,63%	18	4,88%	6	45,22%	123
Study Group 2	25,50%	38	9,40%	14	19,46%	29	59,06%	88	19,46%	29	5,37%	8	54,78%	149
Total	22,43%	61	12,87%	35	22,06%	60	60,66%	165	17,28%	47	5,15%	14	100,00%	272

						Answered	272
						Skipped	1



## Q18: Does a standard operating procedure (SOP) exist at your facility on treating vasospasm during EVT?

	)	⁄es	No		Total			
Study Group 1	35,77%	44	64,23%	79	45,22%	123		
Study Group 2	14,09%	21	85,91%	128	54,78%	149		
Total	23,90%	65	76,10%	207	100,00%	272		
					Answered	272		
					Skipped	1		

