

Aqueductal CSF stroke volume measurements may drive management of shunted idiopathic normal pressure hydrocephalus patients

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Table 7. Association between changes in the aqueductal stroke volume changes (modeled in deciles, then merged into broader categories) and the risk of stable or negative clinical outcome and/or cerebrospinal fluid overdrainage complications (intracranial fluid collection and headache)

predictor	OR	Lower 95%CI	Upper 95%CI	p-value	SV changes	
ΔSV (abs)					<i>min</i>	<i>max</i>
deciles 1-2	1.16	0.51	2.63	0.726	-246.9	-37.6
deciles 3-7	Ref				-37.6	+23.0
decile 8-10	1.96	0.97	3.98	0.062	+23.1	+253.8
Female sex	1.80	0.93	3.48	0.079		
Round (+1)	1.16	1.04	1.28	0.006		
MMSE baseline						
≥25	ref					
19-24	1.22	0.62	2.37	0.568		
≤18	0.83	0.37	1.85	0.648		

abs = absolute; CI = confidence interval; MMSE = mini-mental-state examination;¹⁶ OR = odd ratio; ref = reference; SV = aqueductal cerebrospinal fluid stroke volume; ΔSV indicates the difference of SV values between a clinical check and the previous one; Round (+1) indicates the difference between a clinical check and the previous one.