

Table 3. Factors Related to CS

Variable	Univariate analysis		Multivariate analysis 1		Multivariate analysis 2	
	Odds ratio		Odds ratio		Odds ratio	
	(95% confidence interval)	P	(95% confidence interval)	P	(95% confidence interval)	P
Large size PFO ( $\geq 2$ mm)	2.54 (1.16-5.59)	0.02	0.83 (0.24-2.62)	0.754	1.16 (0.33-3.94)	0.815
Long tunnel PFO ( $\geq 10$ mm)	2.66 (1.19-5.97)	0.017	3.27 (1.11-10.6)	0.032	3.16 (1.04-10.5)	0.042
ASA	4.96 (1.82-13.5)	0.002	3.33 (0.94-13.0)	0.064	2.51 (0.68-10.3)	0.171
Hypermobile interatrial septum	11.4 (4.43-29.1)	<0.001	9.09 (2.84-33.5)	<0.001	7.26 (2.19-27.5)	0.001
Eustachian valve or Chiari's network	4.47 (1.72-11.6)	0.002	4.71 (1.45-17.2)	0.009	4.58 (1.41-16.9)	0.011
Large RL shunt during Valsalva maneuver	5.86 (2.51-13.7)	<0.001	3.63 (1.23-11.3)	0.020	3.87 (1.27-12.6)	0.018
Low angle PFO ( $\leq 10^\circ$ )	3.74 (1.14-12.3)	0.029	5.80 (1.38-29.7)	0.016	5.12 (1.10-30.3)	0.037
Age	4.34 (1.80-10.5)	0.001			2.99 (0.77-12.3)	0.112
Hypertension	2.84 (1.12-7.20)	0.023			1.64 (0.43-6.77)	0.473

ASA = atrial septal aneurysm; CS = cryptogenic stroke; PFO = patent foramen ovale; RL = right-to-left.

Variables for multivariate analysis 1 included the large PFO, the long tunnel PFO, the presence of ASA, the presence of hypermobile interatrial

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septum, the presence of prominent Eustachian valve or Chiari's network, the large RL shunt during Valsalva maneuver, and the low angle PFO.

Variables for multivariate analysis 2 added age and the prevalence of hypertension.