



Title	Flow Behavior and Distribution of Embolus-Model Particles at the Terminal Bifurcation of the Human Internal Carotid Artery
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Citation	World neurosurgery, 90, 469-477 https://doi.org/10.1016/j.wneu.2016.03.012
Issue Date	2016-06
Doc URL	https://hdl.handle.net/2115/65783
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Type	journal article
File Information	KobayashiTable1-3.pdf, Table



Table 1. Fraction of particles that entered the MCA (Vessel I), n = 6

Q_0 [ml/min]	Q_1/Q_0 [%]	0.3 mm [%]	1 mm [%]	> 1 mm [%]
286	77	70.9 ± 3.6	100	100
271	61	64.2 ± 1.4	71.1 ± 2.7	91.8 ± 2.8
188	34	33.9 ± 6.2	$33.3 \pm 6/1$	

Table 2. Fraction of particles that entered the MCA (Vessel II), n = 6

Q_0 [ml/min]	Q_1/Q_0 [%]	0.3 mm [%]	1 mm [%]
237	75	80.7 ± 2.9	96.8 ± 1.2 (100)*
261	62	62.3 ± 3.0	95.5 ± 1.5 (95.8 ± 1.4) *
245	34	28.0 ± 3.9	56.6 ± 3.4 (66.5 ± 2.3) *
226	27	22.1 ± 4.7	34.0 ± 2.8 (35.0 ± 3.7) *
215	20	---	7.0 ± 1.8 (24.0 ± 2.8) *
202	12	16.6 ± 10.7	0

*Results obtained in pulsatile flow with oscillatory frequency of 2 Hz

Table 3. Effects of flow rate and pulsation on distribution of 1 mm-diameter particles at a flow rate ratio $Q_1/Q_0 = 0.61$, n = 6

Q_0 [ml/min]	Fraction of particles that entered the MCA [%]	
	Steady flow	Pulsatile flow
261	95.5 ± 1.3	95.8 ± 1.4
180	79.4 ± 3.4	88.1 ± 2.7
120	73.1 ± 3.5	74.0 ± 4.0