

TRANSCRANIAL DOPPLER CRITERIA FOR GRADING PROXIMAL MIDDLE CEREBRAL AND BASILAR ARTERY VASOSPASM

MCA vasospasm

MFV cm/sec	MCA/ICA MFV ratio	Interpretation
<120	≤3	Hypervolemia
≥120	5-6	Moderate spasm
≥200	≥6	Severe spasm

Basilar Artery

MFV, cm/sec	BA/EVA MFV ratio	Interpretation
>70	>2	Vasospasm
>85	>2.5	Moderate to severe vasospasm
>85	>3	Severe vasospasm

Abbreviations: BA, basilar artery; EVA, extracranial vertebral artery (at the first cervical level, depth 45-55 mm); ICA, internal carotid artery; MCA, middle cerebral artery; MFV, mean flow velocity; TCD, transcranial Doppler ultrasound.

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