

Transcranial Doppler

Preliminary Report

Name _____

MR# _____

Doctor _____

Date: _____

Sonographer: _____

 Patient History:

Serial Exam #: _____ Days Post Surgery: _____

SBP/DBP: _____ MAP: _____ ICP: _____

RIGHT

MCA: MFV _____ cm/s PSV _____ cm/s PI: _____

ACA: MFV _____ cm/s PSV _____ cm/s PI: _____

PCA: MFV _____ cm/s PSV _____ cm/s PI: _____

dICA: MFV _____ cm/s PSV _____ cm/s PI: _____

Vert: MFV _____ cm/s PSV _____ cm/s PI: _____

Lindegaard Ratio: _____

Basilar MFV _____ cm/s PSV _____ cm/s PI: _____

LEFT

MCA: MFV _____ cm/s PSV _____ cm/s PI: _____

ACA: MFV _____ cm/s PSV _____ cm/s PI: _____

PCA: MFV _____ cm/s PSV _____ cm/s PI: _____

dICA: MFV _____ cm/s PSV _____ cm/s PI: _____

Vert: MFV _____ cm/s PSV _____ cm/s PI: _____

Lindegaard Ratio: _____

Comments:

MCA

Severity of Vasospasm	PSV (cm/sec)	MFV (cm/sec)	Lindegaard Ratio
Mild	200–250	120–150	3–4.5
Moderate	250–300	150–200	4.5–6.0
Severe	>300	>200	>6

*Lindegaard Ratio = mean velocity in the MCA / mean velocity in ipsilateral **extracranial** internal carotid artery.

PCA/ACA

Vessel	PSV (cm/sec)	MFV (cm/sec)	Sloan Ratio*
PCA	>120	>85	NA
ACA	>120	>80	>4.0

*The Sloan ratio = dividing the MFV of the ACA by the MFV of the distal **extracranial** ICA to allow assessment of ACA vasospasm. NA = not applicable

* All calculations based on the Time Averaged Mean of the Maximum velocity (**TAMAX**) **(**MFV=TAMAX**).

PAMC Ultrasound Department
Phone: 907-212-3641 Fax: 907-212-2561