

Measurement of blood pressure and functional near-infrared spectroscopy signals in stroke patients and healthy controls

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Abstract

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Protocol

Record the basic information of the subjects and screen suitable subjects.

Step 1.

Obtain the written informed consent from the participants.

Step 2.

Use the calibration function of the instrument to ascertain the channels to fall exactly in correspondence of the 10/10 electrode positions for cerebral oxyhemoglobin measurements .

Step 3.

Place the template at the corresponding positions of PFC, MC, and OC in the brain.

Step 4.

Adjust the hair of the channel with low signal to noise ratio with a glass rod.

Step 5.

Make sure the signal is good and stable.

Step 6.

Attach the noninvasive pressure sensor to the wrist for continuous ABP signal monitoring.

Step 7.

Make sure the ABP signal is good and stable.

Step 8.

10 minutes for simultaneously measurements of cerebral oxyhemoglobin and blood pressure signals in the resting state.

Step 9.