Materials List for:

Conducting Hyperscanning Experiments with Functional Near-Infrared Spectroscopy

Vanessa Reindl[1,2], Kerstin Konrad[1,2], Christian Gerloff[2,3], Jana A. Kruppa[1,2,4], Laura Bell[1], Wolfgang Scharke[1]

[1]Child Neuropsychology Section, Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy, Medical Faculty, RWTH Aachen University

[2]JARA-Brain Institute II, Molecular Neuroscience and Neuroimaging, RWTH Aachen & Research Centre Juelich

[3]Lehrstuhl II für Mathematik, RWTH Aachen University

[4]Translational Brain Research in Psychiatry and Neurology, Department of Child and Adolescent Psychiatry, Psychosomatics, and Psychotherapy, University Hospital Aachen

Correspondence to: Vanessa Reindl at vreindl@ukaachen.de

Materials

Name	Company	Catalog Number	Comments
NIRS measurement system with probe sets and probe holder grids	Hitachi Medical Corporation, Tokyo, Japan	ETG-4000 Optical Topography System	The current study protocol requires an optional second adult probe set for 52 channels of measurement in total as well as two 3x5 probe holder grids.
raw EEG caps	EASYCAP GmbH, Herrsching, Germany	C-SCMS-56; C-SCMS-58	Caps must be provided with holes for NIRS probes by the experimenter. Choose cap size the same size or slightly larger than participant's head circumference.
Technical computing software	The MathWorks, Inc., Natick, MA	MATLAB R2014a (or later versions)	Serves as base for Psychophysics Toolbox extensions (stimulus presentation), SPM for fNIRS toolbox (fNIRS data analysis), and ASToolbox (WTC computation).