Module title			Abbreviation
Developmental Neuroimaging			03-TN-DI-142-m01
Module coordinator		**Module offered by**	
University Hospital, Department of Child and Adolescent Psychiatry, Psychosomatics and Psychotherapy		Faculty of Medicine	
ECTS	**Method of grading**	**Only after succ. compl. of module(s)**	
5	(not) successfully completed	--	
Duration	**Module level**	**Other prerequisites**	
1 semester	graduate	--	

Contents

Fundamentals of fMRI signal (BOLD response), preprocessing of fMRI data and the definition of single-subject models, the analysis of behavioural data of the experimental paradigm and its implementation into first-level analyses, group (second-level) analyses of fMRI data, ANOVA models, multiple regression models.

Intended learning outcomes

Students who successfully completed this module will have acquired insights into the basics of fMRI data analysis, preprocessing of functional and anatomical MR data. Behavioural data during an attentional paradigm will be analysed and implemented into the statistical analysis of brain activation patterns from patients with and without ADHD.

Courses (type, number of weekly contact hours, language — if other than German)

S + Ü (no information on SWS (weekly contact hours) and course language available)

Method of assessment (type, scope, language — if other than German, examination offered — if not every semester, information on whether module is creditable for bonus)

methods of assessment: a) written examination (30 to 60 minutes, including multiple choice questions) or b) log (approx. 10 to 30 pages) or c) oral examination of one candidate each (30 to 60 minutes) or d) oral examination in groups of up to 3 candidates (approx. 30 to 60 minutes) or e) presentation (20 to 45 minutes); students will be informed about the method, length and scope of the assessment prior to the course

Allocation of places

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Additional information

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Workload

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Teaching cycle

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Referred to in LPO I (examination regulations for teaching-degree programmes)

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Module appears in

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