

**Participation of children and youth with acquired brain injury** Kloet, A.J. de

#### Citation

Kloet, A. J. de. (2014, November 6). *Participation of children and youth with acquired brain injury. LOT dissertation series*. Kluwer, Deventer. Retrieved from https://hdl.handle.net/1887/29658

Version:	Not Applicable (or Unknown)	
License:	Licence agreement concerning inclusion of doctoral thesis in th Institutional Repository of the University of Leiden	
Downloaded from:	https://hdl.handle.net/1887/29658	

Note: To cite this publication please use the final published version (if applicable).

Cover Page



# Universiteit Leiden



The handle <u>http://hdl.handle.net/1887/29658</u> holds various files of this Leiden University dissertation.

**Author**: Kloet, Arend Johannes de **Title**: Participation of children and youth with acquired brain injury **Issue Date**: 2014-11-06

### PARTICIPATION OF CHILDREN AND

## YOUTH WITH ACQUIRED BRAIN INJURY

The printing of this thesis was supported by Sophia Rehabilitation and The Hague University of Applied Sciences.

Cover design with permission of Duygu and caregivers, photo made by Miranda Vijfvinkel.

Layout Department Communication & Marketing, The Hague University of Applied Sciences

Printing OBT bv

ISBN 978-90-73077-60-7

© 2014 A.J. de Kloet

## PARTICIPATION OF CHILDREN AND YOUTH WITH ACQUIRED BRAIN INJURY

Proefschrift

Ter verkrijging van de graad van Doctor aan de Universiteit Leiden, op gezag van de Rector Magnificus, volgens besluit van het College voor Promoties te verdedigen op 6 november 2014 klokke 15.00 uur

door

Arend Johannes de Kloet geboren te Den Haag in 1955

#### PROMOTIECOMMISSIE

Promotores	Prof. Dr. T.P.M. Vliet Vlieland			
	Prof. Dr. R.G.H.H. Nelissen			
Copromotor	Dr. M.A.M. Berger (De Haagse Hogeschool, Den Haag)			
Overige leden	Prof. Dr. C.M. van Heugten (Maastricht University, Maastricht)			
	Prof. Dr. G.M. Ribbers (Erasmus MC/Rijndam Revalidatie, Rotterdam)			
	Prof. Dr. W.C. Peul			

### CONTENTS

1.	General Introduction	7
2.	Youth with Acquired Brain Injury in the Netherlands: incidence and causes <i>Brain Injury 2013; 27(7-8): 843-849</i>	25
3.	The incidence of Traumatic Brain Injury in young people in the catchment area of the University Hospital Rotterdam, the Netherlands <i>European Journal of Paediatric Neurology 2011;15(6): 519-526</i>	41
4.	Determinants of participation of youth with Acquired Brain Injury: a systematic review Submitted	61
5.	Psychometric evaluation of the Dutch language version of the Child and Family Follow-up Survey (CFFS) Developmental Neurorehabilitation 2013; Dec 4 [Epub ahead of print]	83
6.	Family impact of Acquired Brain Injury in youth Submitted	105
7.	Gaming supports youth with acquired brain injury? A pilot study <i>Brain Injury 2012; 26(7-8): 1021-1029</i>	125
8.	Summary and general discussion	145
9.	Samenvatting	161
	Curriculum Vitae en dankwoord	171

## LIST OF ABBREVIATIONS (used more than once)

ABI	Acquired Brain Injury		
ADEM	Acute Disseminated Encephalo Myelitis		
ADL	Activities of Daily Living		
CASP	Child and Adolescent Scale of Participation		
CAFI	Child and Adolescent Factors Inventory		
CASE	Child and Adolescent Scale of Environment		
CFFS	Child and Family Functioning Survey		
CNS	Central Nervous System		
CT	Computed Tomography		
CVA	Cerebro Vascular Accident		
DBC-codes	Diagnose-Behandel-combinatie codes (Dutch)		
DLV	Dutch Language Version		
EMC/ Erasmus MC	Erasmus Medical Centre		
GCS	Glasgow Coma Scale		
HI-BS HI+BS	Head injury minus brai Head injury with brain HI+BS mild HI+BS moderate HI+BS severe		
ICD-codes ICF ICF-CY IQR	International Statistical Classification of Diseases codes International Classification of Functioning, Disability and Health International Classification of Functioning, Disability and Health for Children and Youth Inter Quartile Range		
METC	Medical Ethical Committee		
MRI	Magnetic Resonance Imaging		
mRS	Modified Rankin Scale		
MS	Multiple Sclerosis		
N	Number		
NTBI	Non-Traumatic Brain Injury		
PedsQL™4.0	Paediatric Quality of Life Inventory		
PedsQL™FIM	Paediatric Quality of Life Inventory Family Impact Module		
PedsQL™HR QoL	Paediatric Quality of Life Inventory Heath Related Quality of Life		
PSOM-SNE	Paediatric Stroke Outcome Measure Short Neuro Exam		
PTA	Post Traumatic Amnesia		
SD	Standard Deviation		
SES	Socio Economic Status		
SPSS	Statistical Package for the Social Sciences		
ТВІ	Traumatic Brain Injury		
WHO	World Health Organization		