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The neonatal cerebellum

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List of abbreviations

AF	Anterior fontanel
BPD	Bronchopulmonary dysplasia
BSID	Bayley Scales of Infant and Toddler Development
BW	Birth weight
CBCL	Child Behavior Checklist
CBH	Cerebellar hemorrhage
CI	Confidence interval
CNS	Central nervous system
CP	Cerebral palsy
CSF	Cerebrospinal fluid
CT	Computed tomography
CUS	Cranial ultrasound/ ultrasonography
CV	Convex
DESHI	Diffuse excessive high signal intensity
FOV	Field of view
GA	Gestational age
GMFCS	Gross Motor Function Classification System
GM/IVH	Germinal matrix/ intraventricular hemorrhage
HFO	High-frequency oscillation
HIE	Hypoxic-ischemic encephalopathy
IVH	Intraventricular hemorrhage
LA	Linear array
MDI	Mental developmental index score
MF	Mastoid fontanel
MF CUS	Mastoid fontanel ultrasound
MND	Minor neurologic dysfunction
MRI	Magnetic resonance imaging
RDS	Respiratory distress syndrome
OR	Odds ratio
PA	Phased array
PDA	Patent ductus arteriosus
PDI	Psychomotor developmental index score
PF	Posterior fontanel/ Posterior fossa
PHVD	Post hemorrhagic ventricular dilatation
P/IVH	Peri-and intraventricular hemorrhage
PVHI	Periventricular hemorrhagic infarction
PVL	Periventricular leukomalacia
PWML	Punctate white matter lesions
SD	Standard deviation
SWI	Susceptibility-weighted imaging
TE	Echo time
TEA	Term equivalent age
TR	Repetition time
TW	Temporal window

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Curriculum Vitae

The author of this thesis was born October 11th, 1973 in Amsterdam. After completing secondary school in 1991, she started her medical training at the University of Utrecht in the same year and obtained her medical degree in 1998.

From 1998-1999 she worked as a resident in pediatric neurology at the Wilhelmina Childrens' Hospital in Utrecht. In 2000 she started a residency in pediatrics at the Leiden University Medical Center, which she completed in 2004. In the same year she commenced a subspecialization in neonatology, which she completed in 2006. Since then she works as a staff member at the department of pediatrics, subdivision of neonatology of the Leiden University Medical Center, with a special interest in neonatal neurology.

The research which resulted in this thesis was initiated in 2007 in close cooperation with dr. Gerda Meijler, former staff neonatologist from the department of pediatrics, division of neonatology of this hospital, and prof dr. Frans Walther, former head of the division of neonatology.

The author is married to Jan-Jaap Wieland. Together they have 3 wonderful daughters: Pien (2009), Mara (2010) and Yfke (2013).

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