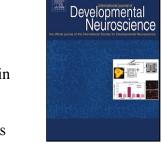
Accepted Manuscript

Title: Gestational age modulates neural correlates of intentional, but not automatic number magnitude processing in children born preterm

Authors: Elise Klein, Korbinian Moeller, Stefan Huber, Klaus Willmes, Ursula Kiechl-Kohlendorfer, Liane Kaufmann



PII:	S0736-5748(17)30177-6
DOI:	https://doi.org/10.1016/j.ijdevneu.2017.10.004
Reference:	DN 2221
To appear in:	Int. J. Devl Neuroscience
Received date:	31-5-2017
Revised date:	12-9-2017
Accepted date:	12-10-2017

Please cite this article as: Klein, Elise, Moeller, Korbinian, Huber, Stefan, Willmes, Klaus, Kiechl-Kohlendorfer, Ursula, Kaufmann, Liane, Gestational age modulates neural correlates of intentional, but not automatic number magnitude processing in children born preterm. International Journal of Developmental Neuroscience https://doi.org/10.1016/j.ijdevneu.2017.10.004

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

ACCEPTED MANUSCRIPT

Gestational age modulates neural correlates of intentional, but not automatic number magnitude processing in children born preterm

Elise Klein^{1,*}, Korbinian Moeller^{1,2}, Stefan Huber¹, Klaus Willmes³, Ursula Kiechl-Kohlendorfer⁴, Liane Kaufmann⁵

¹Leibniz-Institut fuer Wissensmedien, Tuebingen, Germany
²Eberhard Karls University of Tuebingen, Germany
³Department of Neurology, University Hospital, RWTH Aachen University, Germany
⁴Medical University Innsbruck, Department of Neonatology, Austria
⁵General Hospital, Department of Psychiatry and Psychotherapy A, Hall in Tyrol, Austria

*corresponding author

Address for correspondence:

Dr. Dr. Elise Klein (MD, PhD) Leibniz-Institut fuer Wissensmedien Section Neuro-cognitive Plasticity Schleichstr. 6 72076 Tuebingen Germany e.klein@iwm-tuebingen.de

Highlights

- Prematurity is associated with less number-specific parietal activation
- Gestational age modulates intentional, but not automatic number magnitude processing
- Gestational age predicts the frontal-to-parietal shift of activation

Download English Version:

https://daneshyari.com/en/article/8626123

Download Persian Version:

https://daneshyari.com/article/8626123

Daneshyari.com