

**Magnetic Resonance Imaging-based brain volumes of preterm infants at term: a systematic review**

Julia Romberg, Marko Wilke, Christoph Allgaier, Thomas Nägele, Corinna Engel, Christian F. Poets, Axel R. Franz

**Supplemental Material****Address correspondence to:**

Julia Romberg, MD

Department of Neonatology, University Children's Hospital, Calwerstr. 7, 72076 Tübingen, Germany

Phone: +49 07071 29-62374

E-mail: [julia.romberg@med.uni-tuebingen.de](mailto:julia.romberg@med.uni-tuebingen.de)

**Supplemental Table S1:** Brain volumes by MRI at term in contemporary populations of term born infants

	<b>N</b>	<b>PMA at Scan</b> [weeks] mean (SD)	<b>Total Brain Volume</b> [ml] mean (SD)	<b>Cerebellar Volume</b> [ml] mean (SD)	<b>Cortical Gray Matter Volume</b> [ml] mean (SD)	<b>Unmyelinated White Matter Volume</b> [ml] mean (SD)
Inder 2005 [9]*	21**		457 (67)		227 (26)	206.5 (78)
Parikh 2013 [5]*	16	39.0 (1.0)	317 (36)	19.6 (2.5)		
Thompson 2007 [31]*	36	40.2 (1.5)	420 (50)		173 (32)	221 (34)
Vasu 2014 [37]*	19	41.4 (1.2)	494 (8.7)			
<b>Aggregate data all studies (Weighted Mean (<math>\sqrt{\text{Total Variance}}</math>))</b>			<b>425 (74)</b>	<b>20 (3)</b>	<b>193 (40)</b>	<b>216 (55)</b>
<b>Aggregate data all studies Mean (SD) by Simulation</b>			<b>439 (80) ***</b>		<b>193 (43) ***</b>	<b>231 (47) ***</b>

\* reference number refers to list of references in the main manuscript

\*\* including 11 patients from Melbourne

\*\*\* Adjusted R2 for TBV 0.7208, for CGM 0.9941, for UWM 0.9092