

## Publikationsliste Bea Latal

### 1. Original contributions (peer-reviewed)

1. Barkovich AJ, **Latal Hajnal B**, Partridge JC, Sola A, Allen F, Ferriero DM (1997) MR contrast enhancement of the normal neonatal brain. *Am J Neuroradiol* 18; 1713-1717
2. Barkovich AJ, **Latal Hajnal B**, Vigneron D, Sola A, Partridge JC, Allen F, Ferriero DM (1998) Prediction of neuromotor outcome in perinatal asphyxia: Evaluation of MR scoring systems. *Am J Neuroradiol* 19; 143-149
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4. Barkovich, AJ, Baranski K, Vigneron DB, Partridge JC, Hallam DK, **Latal Hajnal B**, Ferriero DM (1999) Proton MR spectroscopy for the evaluation of brain injury in asphyxiated term infants. *Am J Neuroradiol* 20; 1399-1405
5. **Latal Hajnal B**, Braun-Fahrländer Ch, Grize L, Gassner M, Varonier HS, Vuille JC, Wüthrich B, Sennhauser FH (1999) Effect of environmental tobacco smoke exposure on respiratory symptoms in children. *Swiss Med Wkly* 129; 723-730
6. Dempsey DA, **Latal Hajnal B**, Partridge JC, Jacobson S, Good W, Jones R, Ferriero DM (2000). Tone abnormalities are associated with maternal cigarette smoking during pregnancy in in utero cocaine-exposed infants. *Pediatrics* 106; 79-85
7. Miller SP, Weiss J, Barnwell A, Ferriero DM, **Latal Hajnal B**, Ferrer-Rogers A, Newton N, Partridge JC, Glidden DV, Vigneron DB, Barkovich AJ (2002) Seizure-associated brain injury in term newborns with perinatal asphyxia. *Neurology* 58; 542-548
8. **Latal Hajnal B**, von Siebenthal K, Kovari H, Bucher HU, Largo RH (2003) Postnatal Growth in VLBW Infants: Significant association with neurodevelopmental outcome. *J Pediatr* 143; 163-170
9. Miller SP, **Latal Hajnal B**, Clark H, Barnwell A, Glidden DV, Barkovich AJ, Ferriero DM, Partridge JC (2004) Clinical signs predict 30-month neurodevelopmental outcome following neonatal encephalopathy. *Am J Obstet Gynecol* 190; 93-99
10. **Latal Hajnal B**, Ferriero DM, Partridge JC, Dempsey DA, Good WV (2004) Is exposure to cocaine or cigarette smoke during pregnancy associated with infant visual abnormalities? *Dev Med Child Neurol* 46; 520-525
11. **Latal Hajnal B**, Braun-Fahrländer C, von Siebenthal K, Bucher HU, Largo RH (2005) Improved outcome for very low birth weight multiple births. *Pediatr Neurol* 32; 87-93
12. Schmitt B, Christen S, Bauersfeld U, Critelli H, Finckh B, Gessler P, **Latal Hajnal B**, Schmid ER, Molinari L (2005) Long-term EEG after cardiac surgery with cardiopulmonary bypass. *Pediatr Res* 58; 771-778
13. Schmitt B, Wohlrab G, Steinlein O, **Latal Hajnal B** (2005) Neonatal seizures with tonic clonic sequences and poor developmental outcome. *Epilepsy Res* 65; 161-168
14. Seitz, J, Jenni OG, Molinari L, Cafilisch J, Largo RH, **Latal Hajnal B** (2006) Correlation between motor performance and cognitive functions in children born < 1250 g at school age. *Neuropediatrics* 37; 6-12
15. Schmidhauser J, Cafilisch J, Rousson V, Bucher HU, Largo RH, **Latal Hajnal B** (2006) Impaired motor performance and movement quality in very-low birthweight children at 6 years of age. *Dev Med Child Neurol* 48; 718-722
16. Iglowstein I, **Latal Hajnal B**, Molinari L, Largo RH, Jenni OG (2006) Sleep behavior in preterm children from birth to age 10 years: a longitudinal. *Acta Paediatr* 95; 1691-3

17. Landolt MA, Valsangiacomo Buechel E, **Latal B**. (2008) Health-related quality of life in children and adolescents after open-heart surgery. *J Pediatr*, 152;349-55
18. Helfricht S, **Latal B**, Fischer J, Tomaske M, Landolt MA. (2008) Surgery-related posttraumatic stress disorder in parents of children undergoing cardiopulmonary bypass surgery: a prospective cohort study. *Pediatr Crit Care Med*, 9:217-23
19. Falger J, **Latal B**, Landolt MA, Neuhaus TJ, R uth EM. Laube GF. (2008) Outcome after paediatric renal transplantation: Neurodevelopmental outcome. *Pediatric Nephrology*, 23:1339-45
20. Falger J, Landolt MA, **Latal B**, Neuhaus TJ, R uth EM. Laube GF. (2008) Outcome after paediatric renal transplantation: Quality of life. *Pediatric Nephrology*, 23:1347-54
21. Dimitropoulos A, Molinari L, Etter K, Torresani T, Lang-Muritano M, Largo RH, **Latal B**. (2009) Children with Congenital Hypothyroidism: Long-term Intellectual Outcome after Early High-Dose Treatment. *Pediatr Res* 65:242-248
22. Ulmer F, Landolt MA, Ha Vinh R, Huismann T, Neuhaus TJ, **Latal B**, Laube GF. (*shared last authorship*) (2009) Intellectual performance, quality of life and psychosocial adjustment in children with cystinosis. *Pediatric Nephrology* 24:1371-8.
23. Gessler P, Schmitt B, Pr tre R, **Latal B**. (2009) Inflammatory response after open-heart surgery is related to neuromotor function in children with congenital heart disease. *Pediatric Cardiology* 30:301-305
24. **Latal B** Helfricht S, Fischer J, Bauersfeld U, Landolt MA. (2009) Psychological Adjustment and Quality of Life in Children and Young Adults following Open-Heart Surgery for Congenital Heart Disease: A Systematic Review, *BMC Pediatrics*, 9:6
25. Dodge-Kathami A, Tschuppert S, **Latal B**, Rousson V, Doell C. (2009) Late morbidity during childhood and adolescence in previously premature neonates after patent ductus arteriosus closure. *Pediatric Cardiol* 30:735-40
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27. Knirsch W, Zingg W, Bernet V, Balmer Ch, Beck I, B rki Ch, Pretre R, Bauersfeld U, **Latal B** (2010). Determinants of body weight gain and association with neurodevelopmental outcome in infants operated for congenital heart disease. *Interact Cardiovasc Thorac Surg* 10 (3):377-82
28. Bernet V, **Latal B**\*, Natalucci G, Doell C, Ziegler A, Wohlrab G. (2010) The effect of sedation and analgesia on postoperative aEEG changes in newborn cardiac patients. *Pediatr Res* 67 (6):650-5
29. Schlapbach L, Ersch J, Bernet V, Adams M, Bucher HU, **Latal B**. (2010) Impact of maternal chorioamnionitis and preeclampsia on neurodevelopmental outcome at two years of age in very low birth weight infants. *Acta Paediatr* 99(10):1504-9
30. Landolt M, Valsangiacomo Buechel E, **Latal B**. (2011) Parental quality of life after child open-heart surgery: a 6 months follow-up study. *J Pediatr* 158:83-99.
31. Doell C, Bernet V, Molinari L, Beck I, Balmer C, **Latal B**. (2011) Children with genetic disorders undergoing open-heart surgery: Are they at increased risk for postoperative complications? *Pediatr Crit Care Med* 12 (5):539-44
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33. Hagmann CF, Brotschi B, Bernet V, **Latal B**, Berger TM, Robertson NJ. (2011) Hypothermia for perinatal asphyxial encephalopathy: a Swiss survey of opinion, practice and neuro-investigation. *Swiss Med Wkly* 141:w131145.
34. Maurer I, **Latal B**, Geissmann H, Knirsch W, Bauersfeld U, Balmer C. (2011) Prevalence and predictors of feeding disorders in children with operated congenital heart defects. *Cardiology in the Young* 21: 303-9
35. Brotschi B, Hug MI, **Latal B**, Neuhaus D, Buerki C, Kroiss S, Spoerri C, Albisetti M. (2011) Incidence and predictors of indwelling arterial catheter-related thrombosis in children. *Journal of Thrombosis and Haemostasis* 9: 1157-62
36. Natalucci G, Seitz J, von Siebenthal K, Bucher HU, Molinari L, Jenni OG, **Latal B**. (2011) The role of birthweight discordance in the intellectual and motor outcome for triplets at early school age. *Dev Med Child Neurol* 53:822-8.
37. Schlapbach LJ, Aebischer M, Adams M, Natalucci G, Bonhoeffer J, Latzin P, Nelle M, Bucher HU, **Latal B**; Swiss Neonatal Network and Follow-Up Group. (2011) Impact of sepsis on neurodevelopmental outcome in a Swiss National Cohort of extremely premature infants. *Pediatrics* 128:e348-57.
38. Hauri-Hohl A, Dusoczky N, Dimitropoulos D, Ha-Vinh Leuchter R, Molinari L, Caflisch J, Jenni OG, **Latal B**. (2011) Impaired neuromotor outcome in school-age children with congenital hypothyroidism receiving early high-dose substitution treatment. *Pediatr Res* 70:614-8.
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44. Natalucci G, Iten M, Hoffmann J, Bucher HU, Arlettaz R, **Latal B**, Landolt MA (2012) Health-related quality of life and behavior of triplets in adolescent age *J Pediatr* 161:495-500.e1
45. Ramos G, Brotschi B, **Latal B**, Bernet V, Wagner B, Hagmann C, and the Swiss Neonatal Network (2013) Therapeutic hypothermia in term infants after perinatal encephalopathy: the last 5 years in Switzerland. *Early Hum Dev* 89(3):159-64
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47. Schlapbach LJ, Adams M, Proietti E, Aebischer M, Grunt S, Borradori-Tolsa Ch, Bickle-Graz M, Bucher HU, **Latal B**, Natalucci G, for the Swiss Neonatal Network & Follow-Up Group (2012) Outcomes at Two Years of Age in a Swiss National Cohort of Extremely Preterm Infants born between 2000 and 2008. *BMC Pediatrics* 12:198.
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54. Werner H, **Latal B**, Valsangiacomo Buechel E, Beck I, Landolt M. (2014) Health-related quality of life after open-heart surgery. *J Pediatr.* 164:254-258.e1
55. von Rhein M, Buchmann A, Huber R, Klaver P, Hagmann C, Knirsch W, **Latal B**. (2014) Smaller brain volume correlates with neurodevelopmental function in adolescents after bypass repair for congenital heart disease. *Brain.* 137(Pt 1):268-76
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57. Natalucci G, Rousson V, Bernet V, Bucher HU, Hagmann C, **Latal B**. (2014) Early maturation of amplitude integrated EEG activity in the preterm newborn. In press *Ped Res*
58. Liamlahi R, von Rhein M, Bühler S, Valsangiacomo Buechel E, Knirsch W, Landolt MA, **Latal, B**. (2014) Motor dysfunction and behavioural problems frequently coexist with congenital heart disease in school-age children. *Acta Paediatrica* 2014 103(7):752-8
59. Werner H, **Latal B**, Valsangiacomo Buechel E, Beck I, Landolt M. (2014) The impact of an infant's severe congenital heart disease on the family: a prospective cohort study. *Congenit Heart Dis.* 9:203-210
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61. Rügger CM, Kraus A, Koller B, Natalucci G, **Latal B**, Waldesbühl E, Fauchère JC, Held L, Bucher HU. (2014) Randomized controlled trials in very preterm infants: Does inclusion in the study result in any long-term benefit? *Neonatology.* 106(2):114-9. Impact factor: 2.573
62. Asadollahi R, Oneda B, Joset P, Azzarello-Burri S, Bartholdi D, Steindl K, Vincent M, Cobilanschi J, Sticht H, Baldinger R, Reissmann R, Sudholt I, Thiel CT, Ekici AB, Reis A, Bijlsma EK, Andrieux J, Dieux A, FitzPatrick D, Ritter S, Baumer A, **Latal B**, Plecko B, Jenni OG, Rauch A. (2014) The clinical significance of small copy number variants in neurodevelopmental disorders. *J Med Genet.* 51(10):677-88
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*Impact factor: 2.675*
66. Von Rhein M, Kugler J, Liamlahi R, Knirsch W, Latal B, Kaufmann L. (2015) Persistence of visuo-constructional and executive deficits in adolescents after open-heart surgery. *Research in Developmental Disabilities* 36:303-310
67. Klaver P, Latal B, Martin E. (2015) Occipital cortical thickness in very low birth weight born adolescents predicts altered neural specialization of visual semantic category related neural networks. *Neuropsychologia* 67:41–54
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69. Latal B, Kellenberger Ch, Dimitropoulos A, Hagmann C, Balmer Ch, Beck I, Bernet V. (2015) Can preoperative cranial ultrasound predict early neurodevelopmental outcome in infants with congenital heart disease? In press *Developmental Medicine and Child Neurology*
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71. Gaynor JW, Stopp C, Wypij D, Andropoulos DB, Atallah J, Atz AM, Beca J, Donofrio MT, Duncan K, Ghanayem NS, Goldberg CS, Hövels-Gürich H, Ichida F, Jacobs JP, Justo R, **Latal B**, Li JS, Mahle WT, McQuillen PS, Menon SC, Pemberton VL, Pike NA, Pizarro C, Shekerdemian LS, Synnes A, Williams I, Bellinger DC, Newburger JW; International Cardiac Collaborative on Neurodevelopment (ICCON) Investigators. (2015) Neurodevelopmental outcomes after cardiac surgery in infancy. *Pediatrics*; 135:816-25
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73. Majerova J, Malek Makki M, Knirsch W, Latal B, Hagmann C. Regional Microstructural And Volumetric MRI Abnormalities In The Corpus Callosum Of Neonates With Congenital Heart Defect Undergoing Cardiac, in press *J Child Neurol*

\* shared first or last authorship

## 2. Case reports

-none-

## 3. Reviews and Recommendations

1. Jenni O, Cafilisch J, **Latal B**. (2008). Motorik im Schulalter. *Pediatric up2date*. 4; 339-356; Thieme Verlag
2. Jenni OG und **Latal B** (2008) Verhaltensauffälligkeiten im Vorschulalter: eine entwicklungspsychiatrische Sichtweise. *und Kinder* 82: 49-55.

3. Jenni OG und **Latal B** (2009) Verhaltensauffälligkeiten im Kindesalter. *Kinderärztliche Praxis* 80: 180-88.
4. **Latal B**. (2009) Prediction of neurodevelopmental outcome after preterm birth. *Pediatric Neurol* 20:413-419
5. von Rhein M, Knirsch W, Knuf M, **Latal B**. (2010) Neurologie und Entwicklung nach Operation angeborener Herzfehler: Risikofaktoren und Verlauf. *Kinderärztliche Praxis*, 81; 300-307
6. Jenni O, Benz C, **Latal B** (2011) Wenn die kindliche Entwicklung nicht im Gleichschritt verläuft; Kinder mit Entwicklungsauffälligkeiten besser verstehen, *Pädiatrie up2date* 2: 199-228.
7. Berger TM, Bernet V, El Alama S, Fauchère J-C, Hösli I, Irion O, Kind Ch, **Latal B**, Nelle M, Pfister RE, Surbek D, Truttman A, Wisser J, Zimmermann R. (2011) Perinatal care at the limit of viability between 22 and 26 completed weeks of gestation in Switzerland. 2011 revision of the Swiss recommendations. *Swiss Med Wkly* 141:w13280
8. **Latal B**. Die Betreuung von Hochrisikokindern (2012): Wer, wann, wie lang? Aktuelle Herausforderungen in der Sozialpädiatrie. In: Hellbrügge T und Schneeweiss B (Herausgeber). Klett-Cotta Verlag, Stuttgart
9. **Latal B**, Sennhauser F. (2012) The child with a chronic disease at school-age. *Ther Umsch*. Aug;69(8):453-8.
10. Adams M, Borradori-Tolsa C, Bickle-Graz M, Grunt S, Weber P, Capone Mori A, Bauder F, Hagmann C, Natalucci G, Pfister RE, **Latal B**, for the Swiss NeonatalNetwork & Follow-up Group. (2014) Follow-up assessment of high-risk newborns in Switzerland. *Paediatrica*, 25 (5), 6-10

#### 4. Book contributions

1. **Latal Hajnal B**, Caflich, J, Largo, RH (2007). Neuromotorische Entwicklung vom Kindergartenalter bis in die Adoleszenz. In Kaufmann et al. „Kognitive Entwicklungsneuropsychologie“. Hoegrefe Verlag
2. Miller S, **Latal B**. (2009) Neurocognitive outcomes of term infants with perinatal asphyxia. Chapter 48, In: Stevenson David K, Benitz William E, Sunshine Philip, Hintz Susan R. and Druzin Maurice L: *Fetal and Neonatal Brain Injury*, 4<sup>th</sup> Edition. Cambridge University Press
3. **Latal B** (2012) Outcomes following Brain Injury in the Term, in Miller S. Shevell M. *Acquired Brain Injury in the Fetus and Newborn*, in press, Mac Keith Press