

Schlosser L, Naef N, Ehrler M, Wehrle F, Greutmann M, Oxenius A, Tuura R, Latal B, Peter Brugger. (2023) Counting on random number generation: uncovering mild executive dysfunction in congenital heart disease. In press *Brain and Cognition*.

Naef N, Ciernik A, Latal B, Liamlahi R. (2022) Hippocampal volume and cognitive performance in children with congenital heart disease, *Pediatric Research* in press.

Ehrler M, Brugger P, Greutmann M, Schlosser L, Wehrle FM, Liamlahi R, Naef N, Kretschmar O, Tuura O'Gorman R, Latal B, (2022). White matter microstructure and executive functions in congenital heart disease from childhood to adulthood: A pooled case-control study. In press *Child Neuropsychology*

Flavia M. Wehrle F, Furrer M, Feldmann M, Liamlahi R, Naef N, O'Gorman R, Latal B*, Reto Huber* (2022). Functional networks of working memory abilities in children with complex congenital heart disease: A sleep EEG study. In press *Child Neuropsychology*

Bonthrone AF, Stegeman R, Feldmann M, Claessens NHP, Nijman M, Jansen NJG, Nijman J, Groenendaal F, de Vries LS, Benders MJNL, Haas F, Bekker MN, Logeswaran T, Reich B, Kottke R, Hagmann C, Latal B, Dave D, Simpson J, Pushparajah K, Austin C, Kelly C, Arulkumaran S, Rutherford MA, Counsell SJ, Knirsch W, Breur JMPJ (2022). Risk Factors for Perioperative Brain Lesions in Infants with Congenital Heart Disease: A European Collaboration. In press *Stroke*

Ehrler M, Hagmann CF, Stoeckli A, Kretschmar O, Landolt MA, Latal B, Wehrle FM (2022). Mental sequelae of the COVID-19 pandemic in children with and without complex medical histories and their parents: well-being prior to the outbreak and at four time-points throughout 2020 and 2021. *European Child & Adolescent Psychiatry*, 1-13.

Neukomm A, Ehrler M, Feldmann M, Chaouch A, Knirsch W, Hagmann C, Jakab A, Latal B. (2022) Perioperative course and socioeconomic status predict long-term neurodevelopment better than perioperative conventional neuroimaging in children with congenital heart disease. In press *The Journal of Pediatrics*. <https://doi.org/10.1016/j.jpeds.2022.07.032>

Steger C, Feldmann M, Borns J, Hagmann C, Latal B, Held U, Jakab A, Tuura R*, Knirsch W*. (2022) Neurometabolic changes in neonates with congenital heart defects and their relation to neurodevelopmental outcome. *Pediatric research*, 1-9.

Feldmann M, Hagmann C, Bernet V, Knirsch W, Latal B. (2022). Neonatal visual assessment in congenital heart disease: practicability and outcome prediction. *Experimental Results*, 1-16.

Wehrle F*, Bartal T*, Adams M, Bassler D, Hagmann CF, Kretschmar O, Natalucci G, Latal B. (2022). Similarities and differences in the neurodevelopmental outcome of children with congenital heart disease and children born very preterm at preschool age. In press *The Journal of Pediatrics*. <https://doi.org/10.1016/j.jpeds.2022.05.047>

Feldmann M, Hagmann C, de Vries L, Disselhoff V, Pushparajah K, Logeswaran T, Jansen N. J. G., Breur J. M. P. J., Knirsch W, Benders M, Counsell S, Reich B, Latal B. (2022) Neurocritical care and follow-up practices in neonatal congenital heart disease: a European survey. *Pediatric Research*, 1-8.

Cott R, Etter R. Hagmann C, Latal B. (2022). Unterschiede in der Verteilung der General Movements-Klassifikation zwischen neonatalen Risikogruppen im Kinderspital Zürich: Eine Beobachtungsstudie. *Zeitschrift für Geburtshilfe und Neonatologie*, 226(04), 265-273.

De Silvestro AA, Krüger B, Steger C, Feldmann M, Payette K, Krüger J, Kottke R, Hagmann C, Bosshart M, Bürki Ch, Hitendu Dave H, Tuura R, Latal B, Jakab A, Knirsch W (2022). Cerebral desaturation during neonatal congenital heart surgery is associated with perioperative brain structure alterations but not with neurodevelopmental outcome at 1 year. In press *European Journal of Cardio-Thoracic Surgery*.

- Hottinger SJ*, Liamlahi R*, Feldmann M, Knirsch W, Latal B* Hagmann CF* (2020) Postoperative improvement of brain maturation in infants with congenital heart disease. *Semin Thorac Cardiovasc Surg.* 34(1):251-259. doi.org/10.1053/j.semtcvs.2020.11.029
- Ehrler M, von Rhein M, Schlosser L, Brugger M, Greutmann M, Kretschmar O, Tuura O’Gorman R, Latal B. (2021) Microstructural alterations of the corticospinal tract are associated with poor motor function in patients with severe congenital heart disease. *NeuroImage Clin*, 32:102885. doi: 10.1016/j.nicl.2021.102885
- Spillmann R, Polentarutti S, Ehrler M, Kretschmar O, Wehrle FM*, Latal B*. (2021) Congenital heart disease in school-aged children: Cognition, education, and participation in leisure activities. *Pediatr Res*, 1-7. doi: 10.1038/s41390-021-01853-4
- Feldmann M, Bataillard C, Ehrler M, Ullrich C, Knirsch W, Gosteli-Peter MA, Held U, Latal B. (2021). Cognitive and executive function in congenital heart disease: a meta-analysis. *Pediatrics*, 148(4).
- Teixeira J, Cafilisch J, Chaouch A, Beck I, Feldmann M, Polentarutti S, Balmer C, Latal B. (2022) Motor and visuomotor function in 10-year-old children with congenital heart disease: association with behavior. *Cardiology in the Young*, 32(8), 1310-1315.
- Stegemann R, Feldmann M, Claessens NHP, Jansen NJG, Breur JMPJ, de Vries LS, Logeswaran T, Reich B, Knirsch W, Kottke R, Hagmann C, Latal B, Simpson J, Pushparajah K, Bonthron AF, Kelly CJ, Arulkumaran S, Rutherford MA, Counsell SJ, Benders MJNL, the European Association Brain in Congenital Heart Disease (ABC-) consortium. (2021). A Uniform Description of Perioperative Brain MRI Findings in Infants with Severe Congenital Heart Disease: Results of a European Collaboration. *American Journal of Neuroradiology*, 42(11), 2034-2039.
- Mitteregger M, Wehrli M, Theiler M, Logoteta J, Nast I, Seliner B, Latal B. (2021) Parental experience of the neuromotor development of children with congenital heart disease: an exploratory qualitative study. *BMC Pediatrics*, 21(1), 1-13.
- Schlosser L, Kessler N, Feldmann M, Wehrle F, Rometsch S, Greutmann M, Oxenius A, Latal B*, Peter Brugger*. (2022) Neurocognitive functioning in young adults with congenital heart disease: Insights from a case-control study. *Cardiology in the Young*, 32(5), 694-701.
- Hapuoja L, Kretschmar O, Valentin R, Hitendu D, Naef N*, Latal B*(2021) Somatic growth in children with congenital heart disease at 10 years of age: Risk factors and longitudinal growth. *Early Human Development*.156:105349
- Ehrler M, Werninger I, Schnider B, Eichelberger D, Naef N, Disselhoff V, Kretschmar O, Hagmann C, Latal B, Wehrle F (2021) Impact of the COVID-19 pandemic on children with and without risk for neurodevelopmental impairments. *Paediatr* 110(4):1281-1288. doi: 10.1111/apa.15775
- Wehrle FM, Cafilisch JA, Eichelberger DA, Haller, G Latal B, Largo RH, Kakebeeke TH, Jenni OG (2021) The Importance of Childhood for Adult Health and Development –Study Protocol of the Zurich Longitudinal Studies. *Front Hum Neurosci*. 2021 Jan 28;14:612453. doi: 10.3389/fnhum.2020.612453
- Naef N, Schlosser L, Brugger P, Greutmann M, Oxenius A, Wehrle F, Kottke R, Latal B*, Tuura O’Gorman R*(2021). Brain volumes in adults with congenital heart disease correlate with executive function abilities. *Brain Imaging Behav*. 10.1007/s11682-020-00424-1
- Natalucci G, Latal B, Koller B; Rüggeger Ch; Sick B, Held L, Fauchère J-C, for the Swiss EPO Neuroprotection Trial Group (2020). Neurodevelopmental Outcomes at Age 5 Years After Prophylactic Early High-Dose Recombinant Human Erythropoietin for Neuroprotection in Very Preterm Infants. *JAMA*. 2020;324(22):2324-2327. doi:10.1001/jama.2020.19395
- Werninger I, Ehrler M, Wehrle FM, Landolt MA, Polentarutti S, Buechel Valsangiacomo E, Latal B. (2020) Social and behavioral difficulties in 10-year-old children with congenital heart disease: Prevalence and risk factors. In press *Frontiers in Pediatrics*

Hottinger SJ*, Liamlahi R*, Feldmann M, Knirsch W, Latal B* Hagmann CF* (2020) Postoperative improvement of brain maturation in infants with congenital heart disease. In press *Seminars in Thoracic and Cardiovascular Surgery*

Feldmann M, Guo T, Miller SP, Knirsch W, Kottke R, Hagmann C, Latal B, Andras Jakab. (2020) Delayed maturation of the structural brain connectome in neonates with congenital heart disease. In press *Brain Communication*.

Wehrle, F. M., Landolt, M. A., Latal, B., Rometsch, S., Greutmann, M. (2020). Impact of the COVID-19 Pandemic on Health-Related Concerns, Quality of Life and Psychological Adjustment in Young Adults with Congenital Heart Disease. *Congenital Heart Disease*, 15(5), 301–308.

P, Kottke R, Knirsch W, Oxenius A, Greutmann M, Latal B. (2020) Structural Brain Abnormalities in Adults with Congenital Heart Disease: Prevalence and Association with Estimated Intelligence Quotient. *Int J Cardiol*. 2020 Feb 24. pii: S0167-5273(19)34253-6. doi: 10.1016/j.ijcard.2020.02.061

Ehrler M, Latal, B, Kretschmar O, von Rhein M, Tuura R. (2020) Altered frontal white matter microstructure is associated with working memory impairments in adolescents with congenital heart disease: A diffusion tensor imaging study. *Neuroimage Clin*. 2020;25:102123. doi: 10.1016/j.nicl.2019.102123

Kessler N, Feldmann M, Schlosser L, Rometsch S, Brugger P, Kottke R, Knirsch W, Oxenius A, Greutmann M, Latal B. (2020) Structural Brain Abnormalities in Adults with Congenital Heart Disease: Prevalence and Association with Estimated Intelligence Quotient. *Int J Cardiol*. 2020 Feb 24. pii: S0167-5273(19)34253-6. doi: 10.1016/j.ijcard.2020.02.061

Ehrler M, Latal B, Polentarutti S, von Rhein M, Wehrle F. (2019) Pitfalls of using IQ short forms in neurodevelopmental disorders: A study in patients with congenital heart disease. *Pediatr Res*. 2019 Nov 11. doi: 10.1038/s41390-019-0667-2

Ehrler M, Naef N, O’Gorman Tuura R, Latal B. (2019) Executive function and brain development in adolescents with severe congenital heart disease (Teen Heart Study): Protocol of a prospective cohort study. *BMJ Open*. 30;9(10):e032363, doi: 10.1136/bmjopen-2019-032363.

Feldmann M, Ullrich C, Bataillard C, Knirsch W, Gosteli-Peter M, Latal B, Held U. (2019) Neurocognitive outcome of school-aged children with congenital heart disease who underwent cardiopulmonary bypass surgery: a systematic review protocol. In press *Systematic Reviews*

Naef N, Wehrle F, Rousson V, Latal B. (2019) Cohort and individual neurodevelopmental stability between 1 and 6 years of age in children with congenital heart disease. *J Pediatr*. 2019 Dec;215:83-89.e2. doi: 10.1016/j.jpeds.2019.08.036.

Meuwly E, Feldmann M, Knirsch W, von Rhein M, Payette K, Dave H, O’Gorman Tuura R, Kottke R, Hagmann C, Bea Latal, and András Jakab (2019). Postoperative brain volumes are associated with one-year neurodevelopmental outcome in children with severe congenital heart disease. *Sci Rep*. 2019 Jul 26;9(1):10885

Goldstone AB, Baiocchi M, Wypij D, Stopp Ch, 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 Ch, Shekerdemian LS, Synnes A, Williams I, Bellinger DC, Newburger J, Gaynor JW (2019). The Bayley-III Scale Underestimates Neurodevelopmental Disability After Cardiac Surgery in Infants. In press *Eur J Cardiothorac Surg*. Apr 21

Knirsch W, Heye KN, O’Gorman Tuura R, Hahn A, Wetterling K, Latal B, Schranz, D, Reich B. (2019) Smaller brain volumes at two years of age in patients with hypoplastic left heart syndrome - Impact of surgical approach. *Int J Cardiol*. 15;291:42-44

Heye KN, Rousson V, Knirsch W, Beck I, Liamlahi R, Bernet V, Dave H, Latal B. (2019) Growth and intellectual abilities at six years in congenital heart disease. *J Pediatr*. 2019 Jan;204:24-30.e10.

Reich B, Heye KN, Tuura ROG, Beck I, Wetterling K, Hahn A, Aktintürk H, Schranz D, Jux C, Kretschmar O, Hübler M, Latal B, Knirsch W. (2019) Interrelationship between hemodynamics, brain volumes and outcome in Hypoplastic Left Heart Syndrome. *Ann Thorac Surg.* 107 (6):1838-1844
IF 3.928

Jakab A, Meuwly E, Feldmann M, von Rhein M, Kottke R, O’Gorman Tuura R, Latal B, Knirsch W. (2019) Perioperative growth of the left planum temporale region predicts language development in newborns with congenital heart disease. *Brain.* 1;142(5):1270-1281

Guo T, Chau V, Peyvandi S, Latal B, McQuillen PS, Knirsch W, Synnes A, Feldmann M, Naef N, Chakravarty MM, De Petrillo A, Duerden EG, Barkovich AJ, Miller SP. (2019) White Matter Injury in Term Neonates with Congenital Heart Diseases: Topology & Comparison with Preterm Newborns. *Neuroimage.* 185:742–749

Rometsch S, Greutmann M, Latal B, Bernaschina I, Knirsch W, Schaefer Ch, Oxenius A, Landolt MA. (2019) Predictors of quality of life in young adults with congenital heart disease. *Eur Heart J Qual Care Clin Outcomes.* Apr 1;5(2):161-168.

Heye KN, Knirsch W, Scheer I, Beck I, Wetterling K, Hahn A, Hofmann K, Latal B, Reich B, Landolt MA. (2019) Health- related quality of life in pre-school age children with single-ventricle CHD. *Cardiol Young.* 2019 Feb;29(2):162-168

Heye KN, Knirsch W, Latal B, Scheer I, Wetterling K, Hahn A, Akintürk H, Schranz D, Beck I, O Gorman Tuura R, Reich B. (2018) Reduction of brain volumes after neonatal cardiopulmonary bypass surgery in single-ventricle congenital heart disease before Fontan completion. *Pediatr Res.* 83(1-1):63-70.

Heye K, Tuura R, Beck I, Wetterling K, Hahn A, Hofmann K, Schranz D, Akintürk H, Latal B,* Knirsch W* (2017) Neurodevelopmental outcome and health related quality of life in children with single ventricle heart disease before Fontan procedure. *Semin Thorac Cardiovasc Surg.* pii: S1043-0679(17)30288-5.

Naef N, Liamlahi R, Beck I, Bernet V, Dave H, Knirsch W, Latal B. (2017) Neurodevelopmental profiles of children with congenital heart disease at school age. *J Pediatr.* 188:75-81

Latal B, Wohlrab G, Brotschi B, Beck I, Knirsch W, Bernet V. (2016) Postoperative aEEG predicts four-year neurodevelopmental outcome in children with complex congenital heart disease. *J Pediatr.* 178:55-60

Latal B, Patel P, Liamlahi R, Knirsch W, O’Gorman R, von Rhein M. (2016) Hippocampal Volume Reduction is Associated with Intellectual Functions in Adolescents with Congenital Heart Disease. *Pediatr Res.* 80:531-7

Knirsch W, Mayer KN, Scheer I, O’Gorman Tuura R, Schranz D, Wetterling K, Hahn A, Latal B*, Reich B. (2016) Structural cerebral abnormalities and neurodevelopmental status in single ventricle congenital heart disease before Fontan procedure. *Eur J Cardiothorac Surg.* Epub ahead of print

Knirsch W, Liamlahi R, Dave H, Kretschmar O, Latal B. (2016) Neurodevelopmental Outcome of Children with Hypoplastic Left Heart Syndrome at One and Four Years of Age comparing Hybrid and Norwood Procedure. *Ann Thorac Cardiovasc Surg.* 22:375-377

Mayer KN, Latal B, Knirsch W, Scheer W, von Rhein M, Reich B, Bauer J, Gummel K, Roberts N, O’Gorman Tuura R. (2016) Comparison of automated brain volumetry methods with stereology in children aged 2 to 3 years. *Neuroradiology.* 58:901-10

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. (2016) Impact of Operative and Postoperative Factors on Neurodevelopmental Outcomes after Cardiac Surgery. *Ann Thorac Surg.* 102:843–9

Claessens NHP, Moeskops P, Buchmann A, Latal B, Knirsch W, Hagmann C, Scheer I, Išgum I, Linda de Vries LS, Benders M, von Rhein M, on behalf of the Heart and Brain Research Group Zurich (2016).

Delayed cortical gray matter development in neonates with severe congenital heart disease. *Pediatr Res.* 80:668-674

Schaefer C, Hoop R, Schürch-Reith S, Stambach D, Kretschmar O, Bauersfeld U, Latal B*, Landolt M*. (2016) Academic achievement and satisfaction in adolescents with congenital heart disease. *Cardiol Young.* 26:257-62

Hagmann C, Singer J, Latal B, Knirsch W, Makki M. (2016) Regional Microstructural and Volumetric Magnetic Resonance Imaging (MRI) Abnormalities in the Corpus Callosum of Neonates With Congenital Heart Defect Undergoing Cardiac Surgery. *J Child Neurol.* 31:300-8

Von Rhein M, Buchmann A, Hagmann C, Dave H, Bernet V, Scheer I, Knirsch W, Latal B; Heart and Brain Research Group. (2015) Severe Congenital Heart Defects Are Associated with Global Reduction of Neonatal Brain Volumes. *J Pediatr.* 167:1259-1263.e1

Krueger JJ, Brotschi B, Balmer C, Bernet V, Latal B. (2015) Postoperative Hyperglycemia and 4-Year Neurodevelopmental Outcome in Children Operated for Congenital Heart Disease. (2015) *J Pediatr.* 167:1253-1258.e1

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

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? *Dev Med Child Neurol.* 57; 639-644

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. *Res Dev Disabil.* 36:303-310

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

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.* 103(7):752-8

Bertholdt S, Latal B*, Liamlahi R, Scheer I, Prêtre R, Goetti R, Dave H, Bernet V, Schmitz A, von Rhein M, Knirsch W, and the Research Group Heart and Brain. (2014) Cerebral lesions on MRI correlate with preoperative neurological status in neonates undergoing cardiopulmonary bypass surgery. *European Journal of Cardiothoracic Surgery.* 45:625-632

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

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

Schaefer C, von Rhein M, Knirsch W, Huber R, Natalucci G, Cafilisch J, Landolt MA, Latal B. (2013) Neurodevelopmental outcome, behavior and quality of life in adolescents with congenital heart disease. *Dev Med Child Neuro.* 55(12):1143-9

Makki M, Scheer J, Cornelia Hagmann C, Liamlahi R, Knirsch W, Dave H, Bernet V, Batinic K, Latal B. (2013) Abnormal inter-hemispheric connectivity in neonates with d-transposition of the great arteries undergoing cardiopulmonary bypass surgery. *Am J Neuroradiol.* 34:634-40

- Knirsch W, Liamlahi R, Hug MI, Hoop R, von Rhein M, Prêtre R, Kretschmar O, Latal B. (2012) Mortality and neurodevelopmental outcome at 1 year of age comparing hybrid and Norwood procedures. *Eur J Cardiothorac Surg.* 42:33-9
- Von Rhein M, Dimitropoulos A, Valsangiacomo Buechel E, Landolt M, Latal B. (2012) Risk factors for neurodevelopmental impairments in school-age children after cardiac surgery with full-flow cardiopulmonary bypass. *J Thorac Cardiovasc Surg.* 144:577-83
- 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
- Von Rhein M, Scheer I, Loenneker T, Huber R, Knirsch W, Latal B. (2011) Structural brain lesions are correlated with neurodevelopmental deficits in adolescents with congenital heart disease. *J Pediatr.* 158(6):984-9
- 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
- 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
- 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
- Knirsch W, Zingg W, Bernet V, Balmer Ch, Beck I, Bürki Ch, Pretre R, Bauersfeld U, Latal B. (2010) Determinants of body weight gain and association with ¹²⁵I-SEP neurodevelopmental outcome in infants operated for congenital heart disease. *Interact Cardiovasc Thorac Surg.* 10(3):377-82
- 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
- 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
- Gessler P, Schmitt B, Prêtre 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
- 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
- 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
- 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
- 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

2. Übersichtsartikel

Liamlahi R, Latal B. Neurodevelopmental outcome of children with congenital heart disease. In: *Neonatal Neurology. Series: Handbook of Clinical Neurology Series* Editors: Aminoff M. J., Boller F and Swaab D. F. in press

Peyvandi S, Latal B, Miller SP, McQuillen PS. (2018) The neonatal brain in critical congenital heart disease: Insights and future directions. *Neuroimage*. doi: 10.1016/j.neuroimage.2018.05.045. [Epub ahead of print]
Latal B. (2016) Neurodevelopmental outcomes of the child with congenital heart disease. *Clin Perinatol*. 43:173–185

Latal B. (2016) Evidence for improved outcome for children born with a univentricular heart defect? *Eur J Cardiothorac Surg*. 49(1):174-5

Latal. B. (2015) Entwicklung von Kindern mit komplexen Herzfehlern. Georg-Friedrich-Götz-Preis Broschüre. S. 33-44

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

Licht D.J, Brandsema JF, von Rhein M, Latal B. (2016) Neurologic Disorders in Children with Heart Disease, in *Swaiman's Pediatric Neurology 6th edition*, by Swaiman KF, Ashwal S. and Ferriero DM, in press