

CURRICULUM VITAE

NAME: Julia Buchmayer, MD, PhD
ADRESS: Vienna, Austria
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NATIONALITY: Austrian

Professional Work Experience

Medical University of Vienna, AKH Wien **Vienna, Austria**
Consultant at the Division of Neonatology since December 2026

Medical University of Vienna, AKH Wien **Vienna, Austria**
Pediatric resident at the Division of Neonatology November 2020 – November 2025

Kepler University Hospital Linz **Linz, Austria**
Clinical rotation (general surgery) August - October 2020

Clinical Skills Center, Medical University of Graz **Graz, Austria**
Teaching tutor July 2018 – December 2019

Academic Career

European School of Neonatology (ESPR) **Regensburg, Germany**
Master of Advanced Studies in Neonatology since April 2025

Medical University of Vienna **Vienna, Austria**
PhD in Clinical Neuroscience (Mentors: Berger A and Goeral K) October 2022 – March 2026

Thesis
"Outcome Prognostication of Extremely Preterm Infants with a Focus on Cerebral Magnetic Resonance Imaging"

Medical University of Graz **Graz, Austria**
MD (Austria: Dr.med.univ.) October 2014 – July 2020

Thesis
"Noninvasive measurement of peripheral venous oxygen saturation in neonates with and without infection/inflammation – a retrospective study"

Practitioner in Medical Simulation (30 ECTS) October 2018 – July 2019

USMLE Step 1 September 2019

BRG Wels Wallererstraße (high school) **Wels, Austria**
Matura with honours (school leaving examination) September 2006 – June 2014

International Clinical Experience

Children's Hospital Westmead **Sydney, Australia**
Department of Neonatology January – February 2020

Pennsylvania Hospital **Philadelphia, USA**
Department of Internal Medicine (COVID-shift) March – June 2020

Klinikum rechts der Isar, TU München **Munich, Germany**
Department of Gynecology and Obestrics August – September 2019

George Washington University, Children's National Medical Center **Washington, D.C., USA**
Department of Pediatric Neurology and Neonatology August 2018

Further Research Experience

Medical University of Vienna <i>Research group "Neonatal Neurology"</i>	Vienna, Austria <i>since October 2020</i>
The University of Sydney, Westmead Hospital <i>Research assistant - Neonatology</i> "Skin Care Management in Premature Neonates" (with Pranav J)	Sydney, Australia <i>since June 2020</i>
Medical University of Graz <i>Research assistant in the neonatal NIRS-group</i> (Mentors: Urlesberger B and Mileder L)	Graz, Austria <i>November 2017 – March 2020</i>

Honors and Awards

Research Award "Wissenschaftspreis" (May 2025) Awarded from the GNPI (Gesellschaft für Neonatologie und pädiatrische Intensivmedizin)	Luebeck, Germany
Early Career Investigator Award Nominee at EAPS 2024 (October 2024)	Vienna, Austria
Oral Communication Award "Vortragspreis" at GNPI 2024 (April 2024).	Munich, Germany
Otto-Thalhammer-Award (February 2024)	Vienna, Austria
Medical University of Graz – exchange scholarship (February 2020)	Sydney, Australia
USMLE scholarship (September 2019)	Graz, Austria
Medical University of Graz – exchange scholarship (August 2018)	Washington DC, USA

Medical Training and Certificates

Pediatric Echocardiography	Linz, Austria
Neonatal Neuro NICU with Terri Inder and Mohamed El-Dib (April 2025)	Honolulu, USA
Neonatal Brain Imaging (February 2025)	San Diego, USA
Treatment of the Micropremie with Angela Kribs and Richard Sindelar (October 2024)	Vienna, Austria
Neonatal Brain Imaging (Preterm & Term) (February 2024)	Cork, Ireland
General Movements – Basic Level (February 2024)	Stockholm, Sweden
Neonatal „Hands-On“ Resuscitation Workshop (May 2023)	Vienna, Austria
ÖGUM Sonographie Workshop (Abdomen) (June 2022)	Reinischkogel, Austria
Workshop „Neonatal Ventilation“ (June 2022)	Salzburg, Austria
EPALS European Pediatric Advanced Life Support (May 2021)	Vienna, Austria
IPOKRATES (November 2019) <i>Pediatric bedside teaching seminar (with Clifford Lo, Harvard Medical School)</i>	Innsbruck, Austria

List of publications

First-author publications

Buchmayer, J; Stummer, S; Fuiko, R; Kasprian, G; Klebermass-Schrehof, K; Berger, A; Goeral, K

Neurodevelopmental Outcomes of Isolated Cerebellar Pathologies in Extremely Preterm Infants

Pediatrics. 2026; doi: 10.1542/peds.2025-074603

Buchmayer, J; Fuiko, R; Kienast, P; Stummer, S; Kasprian, G; Berger, A; Goeral, K

Cerebellar haemorrhage and atrophy in infants born extremely preterm with intraventricular haemorrhage

Dev Med Child Neurol. 2024; doi: 10.1111/dmcn.16123

Buchmayer, J; Kasprian, G; Jernej, R; Stummer, S; Schmidbauer, V; Giordano, V; Klebermass-Schrehof, K; Berger, A; Goeral, K

Magnetic Resonance Imaging-Based Reference Values for Two-Dimensional Quantitative Brain Metrics in a Cohort of Extremely Preterm Infants

Neonatology. 2023; doi: 10.1159/000534009

Buchmayer, J; Kasprian, G; Giordano, V; Schmidbauer, V; Steinbauer, P; Klebermass-Schrehof, K; Berger, A; Goeral, K

Routine Use of Cerebral Magnetic Resonance Imaging in Infants Born Extremely Preterm

J Pediatr. 2022; doi: 10.1016/j.jpeds.2022.05.033

Buchmayer, J; Wisgrill, L; Schneider, M; Werther, T; Goeral, K; Berger, A; Schmoelzer, G; Wagner, M

Cardiopulmonary resuscitation of a very preterm infant using high-frequency oscillation ventilation

Resusc Plus. 2022; doi: 10.1016/j.resplus.2022.100265

Co-author publications

Hammerl, M; Schreiner, C; Griesmaier, E; Kiechl-Kohlendorfer, U; Pfurtscheller, D; Avian, A; Tschauner, S; Goeral, K; Buchmayer, J; Lista, G; Stucchi, I; Bua, J; Neubauer, V; Pichler, G
Impact of cerebral oxygenation-guided resuscitation during immediate postnatal transition on brain injury and brain growth detected by MRI in very preterm neonates: a secondary outcome analysis of the multicenter randomized phase 3 clinical COSGOD III trial.

Ital J Pediatr. 2026; doi: 10.1186/s13052-026-02216-7

Wolfsberger, CH; Schwabberger, B; Avian, A; Goeral, K; Hammerl, M; Perme, T; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Law, BHY; **Buchmayer, J**; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, CE; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, GM; Pichler, G

Reference Values of Cerebral Fractional Tissue Oxygen Extraction in Preterm Neonates during Immediate Foetal-to-Neonatal Transition: A Secondary Outcome Analysis of the COSGOD III Trial.

Neonatology. 2026; doi: 10.1159/000549465

Clifford, D; Steggerda, S; Maitre, N; De Vries, L; Murray, D; Capizzi, M; **Buchmayer, J**; Afifi, J; Goyal, M; Procianoy, R; Kidokoro, H; Agarwal, S; Silveira, R; Armstrong, J; Graca, A; Sadoo, S; Keene, J; Kukka, A; Cordeiro, C; Pardo, A; Rakshpaul, S; Butler, E; Slaughter, L; Nicoletti, NW; Wickland, J; Boronat-Gonzales, N; Van de Lagemaat, M; Chiodin, E; Stapleton, I; Nuzum, T; Tuiskula, A; Roze, E; Murray, A; Tremlay, S; Colon-Diaz, K; Jayakumar, S; Rego, A; Check, J

High-risk infant follow-up: current practice and factors determining eligibility

Pediatr Res. 2025; doi: 10.1038/s41390-025-04154-2

Perme, T; Kornhauser, Cerar, L; Schwabberger, B; Urlesberger, B; Wolfsberger, CH; Baik, N; Goeral, K; Hammerl, M; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, BHY; **Buchmayer, J**; Kiechl-Kohlendorfer, U; Schwarz, CE; Gruendler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, GM; Pichler, G

Effect of timing of umbilical cord clamping on cerebral regional tissue oxygenation: a secondary analysis of the COSGOD III trial

Arch Dis Child Fetal Neonatal Ed. 2025; doi: 10.1136/archdischild-2024-327946

Bruckner, M; Suppan, T; Suppan, E; Schwabberger, B; Urlesberger, B; Goeral, K; Hammerl, M; Perme, T; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Law, B; **Buchmayer, J**; Kiechl-Kohlendorfer, U; Cerar, LK; Schwarz, CE; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, GM; Pichler, G

Brain oxygenation monitoring during neonatal stabilization and resuscitation and its potential for improving preterm infant outcomes: a systematic review and meta-analysis with Bayesian analysis

Eur J Pediatr. 2025; doi: 10.1007/s00431-025-06138-0

Wolfsberger, CH; Schwabberger, B; Urlesberger, B; Avian, A; Goeral, K; Hammerl, M; Perme, T; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Law, B; **Buchmayer, J**; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, CE; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, GM; Pichler, G

Reference Ranges for Arterial Oxygen Saturation, Heart Rate, and Cerebral Oxygen Saturation during Immediate Postnatal Transition in Neonates Born Extremely or Very Preterm

J Pediatr. 2024; doi: 10.1016/j.jpeds.2024.114132

Al-Garni, A; Aslam, S; Assis, Z; Avanaki, K; Bagnato, CM; Bainbridge, A; Baruteau, PK; Beghini, BR; Benavides, J; Benlamri, A; Berger, A; Bhroin NM; Bissolo, F; Bokde, A; Bonafiglia E; Boomsma, M; Boswinkel, V; Boylan, G; **Buchmayer J**; Bwambale, J; Byrne, A; Charbel, F; Cherkerzian, S; Colleran, G; Cote-Corriveau, G; Cowan, F; Durand, A; El-Dib, M; El-Shibiny H; Embaireeg, A; Erde, C; Ferreira, FE; Forcellini, C; Frassoldati, R; Fuiko, R; Garvey, A; Gelovani, J; Gilbert, G; Goeral, K; Goswami, I; Grant, EP; Hadava, L; Harsono, M; Hashimoto, M; Hellström-Westas, L; Henderson, L; Hofland-Burry, E; Hurley, T; Inder, T; Islam, T; Ito, Y; Jaime, C; Kasprian G; Jernej, R; Kawooya, M; Kelly, L; Kidokoro, H; Kienast, P; King, R; Kumai, S; Leemans, A; Leijser, LM; Leoni, M; Li, J; Lubowa, SK; Maeda, T; Mally, P; Mambule, I; Manwa, R; Matela, N; Mathieson, S; Mazara, A; McGuire, LS; Meijler, G; Menchaca, MG; Meunier, H; Mitsumatsu, T; Mohammed, K; Molloy, E; Momin, S; Moreira, NC; Mugalu, J; Murthy, P; Nabawanuka, A; Nakata, T; Nakimuli, A; Nanyunja, C; Narita, H; Naseh, N; Natsume, J; Nosarti, C; Nuzum, T; Nyirenda, M; O'Dea, M; Pecoraro, L; Pellizzari, S; Pillers, DA; Pourcyrus, M; Rana, D; Robertson, N; Roychaudhuri, S; Sadoo, S; Sato, Y; Sawamura, F; Scotland, J; Scott, J; Sharon, D; Shiraki, A; Shoo, A; Siegel, AP; Singh, E; Slevin, M; Srinivasan, L; Ssesembo, H; Stein, S; Stummer, S; Suzui, R; Sweetman, D; Szakmar, E; Taga, G; Tang, S; Tann, C; Tax, C; Torrealdea, F; Vanes, L; Vaz, TF; Venkata, SG; Ventola, MA; Verschuur, AV; Wachtel, EW; Walsh, BW; Watanabe, HW; Webb, EW; van Wezel-Meijler, GW; Wintermark, PW; Yamada, MY; Yamamoto, HY; Zein, H; Zuccato, A

Proceedings of the 15th International Newborn Brain Conference: Neuro-imaging studies: Fota Island, Cork, Ireland, February 28th – March 2nd 2024

J. Neonatal-Perinat. 2024; doi: 10.3233/NPM-249005

Acun, C; Akugizibwe, C; Aly, H; Avian, AA; Aycan, N; Baik-Schneditz, N; Bailey, S; Balog, V; Barra, M; Bartolini, E; Basaranoglu, M; Bauerstätter, P; Bazan, A; Berger, A; Boardman, JP; Boylan, G; Bruckner, M; Bua, J; **Buchmayer, J**; Caprio, M; Cherkerzian, S; Chirumammilla, V; Christou, H; Demir, DC; Dempsey, EM; El-Dib, M; Elis, J; El-Shibiny, H; Emurang, I; Esser, MJ; Figueroa, G; Finn, D; Franceschini, MA; Fuchs, H; Garvey, A; Giordano, V; Goeral, K; Goldstein, S; Govindan, RB; Grant, E; Gründler, K; Hammer, M; Hannon, K; Hauser, B; Hsiao, CH; Ilahi, I; Inder, T; Jermendy, A; De, Jesus, P; Kabachelor, EM; Kainja, E; Karaman, S; Karnati, S; Karpinski, L; Kasprian, G; Katugi, MK; Khan, J; Kiechl-Kohlendorfer, U; Kim, SH; Kis-Tamas, M; Klebermass-Schrehof, K; Klein, L; Kornhauser-Cerar, L; Langs, G; Bogner, LL; Lavu, R; Law, B; Lin, PY; Lista, G; Liu, W; Livingstone, V; Magombe, J; Mathieson, S; Mileder, L; Mohammad, K; Moore, M; Mulondo, R; Munster, C; Murray, D; Nalule, E; Natukwatsa, D; Nicoletti, N; Nöhammer, C; Nuzum, T; Ochieng, S; O'Donnell, M; Olischar, M; Orlandi, S; O'Toole, J; Paltrinieri, AL; Pardo, A; Pavel, A; Perme, T; Pfuertscheller, D; Pichler, G; Pleau, C; Pradas, AL; Pusil, S; Puthuraya, S; Rajaram, A; Rallis, D; Ramirez, B; Randhawa, A; Robertson, NJ; Pusil, S; Schiff, S; Schlatterer, S; Schlatzer, C; Schmölder, GM; Schönthaler, S; Schwabberger, B; Schwarz, CE; Seruwu, M; Springer, L; Steiner, M; Stucchi, I; Sunwoo, J; Sutin, J; Szabo, M; Szakmar, E; Szczapa, T; Tatz, J; Tindimwebwa, S; Trinh, SH; Tuncer, O; Turner, HL; Urlesberger, B; Vierlinger, K; Vignolle, GA; Vyas, R; Wabukoma, M; Wachtel, E; Warf, B; Woglom, M; Wolfsberger, CH; Woodward, K; Yurekturk, E

Proceedings of the 15th International Newborn Brain Conference: Other forms of brain monitoring, such as NIRS, fMRI, biochemical, etc
J Neonatal Perinatal Med. 2024; doi: 10.3233/NPM-249004

Stummer, S; Reuter, C; Czedik-Eysenberg, I; Bertsch, MA; Klebermass-Schrehof, K; Mader, J; **Buchmayer, J**; Bartha-Doering, L; Berger, A; Giordano, V

“Every breath you take”: evaluating sound levels and acoustic characteristics of various neonatal respiratory support and ventilation modalities

Frontiers in Pediatrics. 2024; doi: 10.3389/fped.2024.1379249

Schmidbauer, VU; Yildirim, MS; Dovjak, GO; Goeral, K; **Buchmayer, J**; Weber, M; Kienast, P; Diogo, MC; Prayer, F; Stuempflen, M; Kittinger, J; Malik, J; Nowak, NM; Klebermass-Schrehof, K; Fuiko, R; Berger, A; Prayer, D; Kasprian, G; Giordano, V

Quantitative Magnetic Resonance Imaging for Neurodevelopmental Outcome Prediction in Neonates Born Extremely Premature – An Exploratory Study

Clinical Neuroradiology. 2024; doi: 10.1007/s00062-023-01378-9

Herrera, S; Cabacungan, E; Cohen, S; Thyagarajan, B; Jefferies, K; Avanaki, K; Manwar, R; McGuire, L; Islam, T; Shoo, A; Charbel, FT; Pillers, DM; Verschuur, A; Van Steenis, A; Boswinkel, V; Nijholt, I; Boomsma, M; Steggerda, S; Meijler, G; Leijser, L; Park, SG; Yang, HJ; Lim, SY; Kim, SH; Shin, SH; Kim, E; Kim, H; Shiraki, A; Kidokoro, H; Watanabe, H; Taga, G; Narita, H; Mitsumatsu, T; Kumai, S; Suzui, R; Sawamura, F; Ito, Y; Yamamoto, H; Nakata, T; Sato, Y; Hayakawa, M; Natsume, J; **Buchmayer, J**; Kasprian, G; Giordano, V; Jernej, R; Klebermass-Schrehof, K; Berger, A; Goeral, K; Garvey, A; El-Shibiny, H; Yang, E; Inder, T; El-Dib, M; Garvey, A; Grant, E; Manning, S; Volpe, J; Inder, T; Roychaudhuri, S; Pineda, R; Sharon, D; Singh, E; Steele, T; Sheldon, Y; Cuddyer, D; Yang, E; Erdei, C; Szakmar, E; Andorka, C; Barta, H; Sesztak, T; Varga, E; Szabo, M; Jermendy, A; Panzarini, I; King, R; Verschuur, AS; Henderson, L; Carlson, H; Scotland, J; Zein, H; Mohammed, K; Meijler, G; Leijser, L; Bach, A; Lambing, H; Rogers, EE; Xu, D; James, BA; Ferriero, DM; Glass, HC; Gano, D; Igreja, L; Ferreira, A; Gomes, R; Sousa, B; Novo, A; Alves, JE; Proença, E; Carvalho, C

Proceedings of the 14th International Newborn Brain Conference: Neuro-imaging studies: Clearwater, Florida, USA, February 8th-11th 2023

J. Neonatal-Perinat. 2023; doi: 10.3233/NPM-239005

Pichler, G; Goeral, K; Hammerl, M; Perme, T; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Urlesberger, B; **Buchmayer, J**; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, CE; Gründler, K; Stucchi, I; Schwabegger, B; Klebermass-Schrehof, K; Schmölzer, GM

Cerebral regional tissue Oxygen Saturation to Guide Oxygen Delivery in preterm neonates during immediate transition after birth (COSGOD III): multicentre randomised phase 3 clinical trial

BMJ. 2023; doi: 10.1136/bmj-2022-072313

Schmidbauer, VU; Yildirim, MS; Dovjak, GO; Weber, M; Diogo, MC; Milos, RI; Giordano, V; Prayer, F; Stuempflen, M; Goeral, K; **Buchmayer, J**; Klebermass-Schrehof, K; Berger, A; Prayer, D; Kasprian, G

Synthetic MR Imaging–Based WM Signal Suppression Identifies Neonatal Brainstem Pathways in Vivo

AJNR Am J Neuroradiol. 2022; doi: 10.3174/ajnr.A7710

Jani, P; Mishra, U; **Buchmayer, J**; Walker, K; Gözen, D; Maheshwari, R; D’Çruz, D; Lowe, K; Wright, A; Marceau, J; Culcer, M; Priyadarshi, A; Kirby, A; Moore, J; Oei, L; Shah, V; Vaidya, U; Khashana, A; Godambe, S; Cheah, F; Zhou, W; Xiaojing, M; Satardien, M

Global variation in skin injuries and skincare practices in extremely preterm infants

World J Pediatr. 2022; doi: 10.1007/s12519-022-00625-2

Jani, P; Mishra, U; **Buchmayer, J**; Walker, K; Gözen, D; Maheshwari, R; D'Çruz, D; Lowe, K; Wright, A; Marceau, J; Culcer, M; Priyadarshi, A; Kirby, A; Moore, J; Oei, L; Shah, V; Vaidya, U; Khashana, A; Godambe, S; Cheah, F; Zhou, W; Xiaojing, M; Satardien, M

Thermoregulation and golden hour practices in extremely preterm infants: an international survey

Pediatr Res. 2022; doi: 10.1038/s41390-022-02297-0

Schmidbauer, VU; Yildirim, MS; Dovjak, GO; Goeral, K; **Buchmayer, J**; Weber M; Diogo, MC; Giordano, V; Mayr-Geisl, G; Prayer, F; Stuempflen, M; Lindenlaub, F; List, V; Glatter, S; Rauscher, A; Stuhr, F; Lindner, C; Klebermass-Schrehof, K; Berger, A; Prayer, D; Kasprian, G

Different from the Beginning: WM Maturity of Female and Male Extremely Preterm Neonates-A Quantitative MRI Study

AJNR Am J Neuroradiol. 2022; doi: 10.3174/ajnr.A7472

Miledler, LP; **Buchmayer, J**; Baik-Schneditz, N; Schwabegger, B; Höller, N; Andersen, CC; Stark, MJ; Pichler, G; Urlesberger, B

Non-invasively Measured Venous Oxygen Saturation as Early Marker of Impaired Oxygen Delivery in Preterm Neonates

Front Pediatr. 2022; doi: 10.3389/fped.2022.834045

Binder, C; **Buchmayer, J**; Thajer, A; Giodrano, V; Schmidbauer, V; Harreiter, K; Klebermass-Schrehof, K; Berger, A; Goeral, K

Association between Fat-Free Mass and Brain Size in Extremely Preterm Infants

Nutrients. 2021; doi: 103390/nu13124205.

Presentations at scientific conferences

51. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin

May 2025

Lübeck, Germany

Oral presentation

Buchmayer, J; Stummer, S; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Brainstem Volumetry in Extremely Preterm Infants and Neurodevelopmental Outcome at Two Years of Age

Pediatric Academic Societies (PAS) Annual Meeting 2025

April 2025

Honolulu, Hawaii, USA

Oral presentation

Buchmayer, J; Stummer, S; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Influence of Cerebellar Hemorrhage in Extremely Preterm Infants on Neurodevelopmental Outcome at Two-Years of Age

16th International Newborn Brain Conference INBBC

February 2025

San Diego, California, USA

Poster presentation

Buchmayer, J; Stummer, S; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Influence of Cerebellar Hemorrhage in Extremely Preterm Infants on Neurodevelopmental Outcome at Two-Years of Age

10th Congress of EAPS (European Academy of Pediatric Societies)

October 2024

Vienna, Austria

Oral presentation (Early Career Investigator Award Session)

Buchmayer, J; Stummer, S; Kasprian, G; Kienast, P; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Influence of Cerebellar Hemorrhage in Extremely Preterm Infants on Neurodevelopmental Outcome at Two-Years of Age

50. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin

May 2025

Munich, Germany

Oral presentation

Buchmayer, J; Fuiko, R; Stummer, S; Kasprian, G; Kienast, P; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Influence of Cerebellar Hemorrhage in Extremely Preterm Infants on Neurodevelopmental Outcome at Two-Years of Age

15th International Newborn Brain Conference INBBC

February 2025

Cork, Ireland

Poster presentation

Buchmayer, J; Fuiko, R; Stummer, S; Kasprian, G; Kienast, P; Klebermaß-Schrehof, K; Berger, A; Goeral, K
Cerebellar Pathologies in Extremely Preterm Infants with Intraventricular Hemorrhage: Outcome at Two-Years of Age

Bruckner, M; Martensen, J; Avian, A; Baik-Schneditz, N; Schwabberger, B; Binder-Heschl, C; Urlsberger, B; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Law, B; **Buchmayer, J;** Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, CE; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, GM; Pichler, G
Verlauf der arteriellen Sauerstoffsättigung, Herzfrequenz und zerebralen Sauerstoffsättigung während der postnatalen Adaptation bei Frühgeborenen unter 32 Schwangerschaftswochen

Schwabberger, B; Urlsberger, B; Wolfsberger, CH; Baik-Schneditz, N; Pfurtscheller, D; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; **Buchmayer, J;** Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G
Monitoring parameters of premature neonates <32 weeks' gestation with and without adverse outcome – a secondary analysis of the COSGOD-III-trial

Schwabberger, B; Wolfsberger, CH; Urlsberger, B; Avian, A; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Law, B; **Buchmayer, J;** Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G
Reference ranges for cerebral oxygen saturation during neonatal transition in extremely and very preterm neonates

61. Jahrestagung der Gesellschaft für Kinder- und Jugendheilkunde (ÖGKJ)

September 2018

Leoben, Austria

Poster presentation

Schwabberger, B; Urlesberger, B; Wolfsberger, CH; Baik-Schneditz, N; Pfurtscheller, D; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Buchmayer, J; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G

Demographic characteristics and monitoring parameters of premature neonates <32 weeks of gestation with and without adverse outcome: a secondary analysis of the COSGOD-III trial

5th Congress of joint European Neonatal Societies (jENS)

September 2023

Rome, Italy

Oral presentation & poster presentation

Buchmayer, J; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K

Influence of cerebellar hemorrhage in very preterm infants with intraventricular hemorrhage in relation to neurodevelopmental outcome

Urlesberger, B; Martensen, J; Schwabberger, B; Baik-Schneditz, N; Höller, N; Pfurtscheller, D; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Buchmayer, J; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G

Are There Sex Related Differences In Oxygenation During Fetal-To-Neonatal Transition In Preterm Infants?

Urlesberger, B; Martensen, J; Schwabberger, B; Baik-Schneditz, N; Höller, N; Pfurtscheller, D; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Buchmayer, J; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G

In A Large Cohort Of Preterm Infants With Need For Respiratory Support During Fetal-To-Neonatal Transition: How About The SpO₂ At 5 Minutes?

Schwabberger, B; Urlesberger, B; Wolfsberger, CH; Baik-Schneditz, N; Pfurtscheller, D; Goeral, K; Hammerl, M; Perme, T; Dempsey, E; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Buchmayer, J; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, C; Gründler, K; Stucchi, I; Klebermass-Schrehof, K; Schmölzer, G; Pichler, G

Demographic characteristics and monitoring parameters of premature neonates <32 weeks' gestation with and without adverse outcome: a secondary analysis of the cosgod III trial

51. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin

May 2023

Hamburg, Germany

Oral presentation

Buchmayer, J; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K

Influence of cerebellar hemorrhage in very preterm infants with intraventricular hemorrhage in relation to neurodevelopmental outcome

Pediatric Academic Societies (PAS) Annual Meeting 2025 (Oral Presentation)

April 2023

Washington, D.C., USA

Poster presentation

Pichler, G; Goeral, K; Hammerl, M; Perme, T; Dempsey, EM; Springer, L; Lista, G; Szczapa, T; Fuchs, H; Karpinski, L; Bua, J; Avian, A; Law, B; Urlesberger, B; Buchmayer, J; Kiechl-Kohlendorfer, U; Kornhauser-Cerar, L; Schwarz, CE; Gründler, K; Stucchi, I; Schwabberger, B; Klebermass-Schrehof, K; Schmölzer, GM

Cerebral regional tissue Oxygen Saturation to Guide Oxygen Delivery in preterm neonates during immediate transition after birth (COSGOD III)

15th International Newborn Brain Conference INBBC

February 2023

Clearwater, Florida, USA

Poster presentation

Buchmayer, J; Kasprian, G; Giordano, V; Jernej, R; Klebermass-Schrehof, K; Berger, A; Goeral, K

MRI based reference values for 2D quantitative brain measurements in a cohort of extremely preterm infants

9th Congress of EAPS (European Academy of Pediatric Societies)

October 2022

Barcelona, Spain

Oral presentation & poster presentation

Buchmayer, J; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K

MRI based reference values for 2D quantitative brain measurements in a cohort of extremely preterm infants

Buchmayer, J; Wisgrill, L; Schneider, M; Werther, T; Goeral, K; Berger, A; Schmoelzer, G; Wagner, M

Cardiopulmonary resuscitation of an extremely low birth weight infant using high-frequency oscillation ventilation

48. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin

May 2022

Aachen, Germany

Oral presentation

Buchmayer, J; Kasprian, G; Klebermaß-Schrehof, K; Berger, A; Goeral, K

MRI based reference values for 2D quantitative brain measurements in a cohort of extremely preterm infants

Buchmayer, J; Wisgrill, L; Schneider, M; Werther, T; Goeral, K; Berger, A; Schmoelzer, G; Wagner, M

Cardiopulmonary resuscitation of an extremely low birth weight infant using high-frequency oscillation ventilation

Binder, C; Buchmayer, J; Thajer, A; Giordano, V; Schmidbauer, V; Harreiter, K; Klebermass-Schrehof, K; Berger, A; Goeral, K

Association between Fat-Free Mass and Brain Size in Extremely Preterm Infants

47. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin (GNPI)

June 2021

Vienna, Austria

Poster Presentation

Buchmayer, J; Giordano, V; Schmidbauer V; Kasprian G; Klebermaß-Schrehof K; Berger A; Goeral, K

Routinemäßiger Einsatz von zerebraler Magnetresonanztomographie bei Frühgeborenen unter 28 Schwangerschaftswochen

58. Jahrestagung der Gesellschaft für Kinder- und Jugendheilkunde (ÖGKJ)

September 2020

Innsbruck, Austria

Poster presentation

Buchmayer, J; Mileder, LP; Urlsberger, B; Baik-Schneditz, N; Schwabberger, B; Höller, N; Pichler, G

Beeinträchtigung der peripheren Gewebeoxygenierung bei Neugeborenen mit früher Inflammation/Infektion in den ersten 72 Lebensstunden

8th Congress of the European Academy of Pediatric Societies (EAPS) – virtual congress

October 2020

Barcelona, Spain

Poster presentation

Buchmayer, J; Mileder, LP; Urlsberger, B; Baik-Schneditz, N; Schwabberger, B; Höller, N; Pichler, G

Impaired peripheral oxygenation in neonates with an inflammation/infection during the first 72 hours after birth

6th Congress of the European Academy of Pediatric Societies (EAPS) – virtual congress

October/November 2020

Paris, France

Poster presentation

Mileder, L; Urlsberger, B; **Buchmayer, J;** Baik-Schneditz, N; Schwabberger, B; Höller, N; Pichler, G

Non-invasive measurement of venous oxygen saturation as early marker of impaired oxygen supply in preterm neonates

44. Jahrestagung der Gesellschaft für Neonatologie und Pädiatrische Intensivmedizin (GNPI)

June 2018

Rostock, Germany

Poster presentation

Mileder, L; Urlsberger, B; **Buchmayer, J;** Baik-Schneditz, N; Schwabberger, B; Höller, N; Pichler, G

Nichtinvasive Messung von venöser Sauerstoffsättigung als Frühindikator einer Einschränkung der Sauerstoffversorgung bei Frühgeborenen

58. Jahrestagung der Gesellschaft für Kinder- und Jugendheilkunde (ÖGKJ)

September 2018

Linz, Austria

Poster Presentation

*Miledner, L; Urlesberger, B; **Buchmayer, J**; Baik-Schneditz, N; Schwabberger, B; Höller, N; Pichler, G*

Nichtinvasive Messung von venöser Sauerstoffsättigung als Frühindikator einer Einschränkung der Sauerstoffversorgung bei Frühgeborenen