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After graduation at the medical school of the University of Berne, Switzerland I have undergone training in general paediatrics and paediatric surgery at the Children's Hospital in Lucerne, Switzerland. After the degree in Paediatrics I continued my training in Neonatology and Paediatric Intensive Care at the Children's Hospital of Lucerne, the University Hospital of Zurich, Switzerland and the Royal Brompton Hospital in London, UK. Since 2003 I'm working as consultant at the NICU/PICU of the Children's Hospital in Lucerne, interrupted by my stage at the Royal Brompton Hospital in London from 2009 to 2011. 2012 to 2015, I made an in-service training for medical education with graduation as Master of Medical Education (MME) at the University of Berne, Switzerland. Since 2015 I'm the head of the NICU/PICU of the children's Hospital in Lucerne, Switzerland.

My main research interest is directed to the topic of paediatric and neonatal sepsis with special focus at diagnosis and management of neonatal early-onset sepsis and antimicrobial stewardship. I'm one of the co-founders of the neonatal sepsis trial network "nest-net.org" and 2017, we published the international multicentre, intervention trial NeoPInS (Neonatal Procalcitonin Intervention Study). Additional research interests are involving the topics of teamwork, learning organisation and quality improvement.

Important publications within my main topic:

1. C-reactive protein, Procalcitonin and WBC to rule out neonatal early-onset sepsis within 36 hours: a secondary analysis of NeoPInS study. **Martin Stocker**, Wendy van Herk, Salhab el Helou, Sourabh Dutta, Matteo S Fontana, Frank ABA Schuerman, Rita K van den Tooren-de Groot, Jantien W Wieringa, Jan Janota, Laura H van der Meer-Kappelle, Rob Moonen, Sintha D Sie, Esther de Vries, Albertine E Donker, Urs Zimmerman, Luregn J Schlapbach, Amerik C de Mol, Angelique Hoffman-Haringsma, Madan Roy, Maren Tommaske, René F Kornelisse, Juliette van Gijssel, Eline G Visser, N Achten, FB Plötz, P Heath, D Lehnick, Annemarie MC van Rossum for the NeoPInS Study Group. Clin Inf Dis 2020, in press
2. Association of Use of the Neonatal Early-Onset Sepsis Calculator With Reduction in Antibiotic Therapy and Safety: A Systematic Review and Meta-analysis. Achten NB, Klingenberg C, Benitz WE, **Stocker M**, Schlapbach LJ, Giannoni E, Bokelaar R, Driessen GJA, Brodin P, Uthaya S, van Rossum AMC, Plötz FB. JAMA Pediatr. 2019 Sep 3. doi: 10.1001/jamapediatrics.2019.2825.
3. Burden of Streptococcus pneumoniae sepsis in children after introduction of pneumococcal conjugate vaccines - a prospective population-based cohort study. Asner SA, Agyeman PKA, Gradoux E, Posfay-Barbe KM, Heining U, Giannoni E, Crisinel PA, **Stocker M**, Bernhard-Stirnemann S, Niederer-Loher A, Kahlert CR, Hasters P, Relly C, Baer W, Aebi C, Schlapbach LJ, Berger C; Swiss Paediatric Sepsis Study group. Clin Infect Dis. 2019 Jan 2. doi: 10.1093/cid/ciy1139.

4. Culture-negative early-onset sepsis - at the crossroad between efficient sepsis care and antimicrobial stewardship. Klingenberg C, Kornelisse RF, Buoncore G, Maier RF, **Stocker M**. *Front Pediatr* 2018;285, 2018
5. Neonatal ventilator associated pneumonia: a quality improvement initiative focusing on antimicrobial stewardship. Goerens A, Lehnick D, Buettcher M, Daetwyler K, Fontana M, Genet P, Lura M, Morgillo D, Pilgrim S, Schwendener-Scholl K, Regamey N, Neuhaus TJ, **Stocker M**. *Front Pediatr* 6:262, 2018
6. Impact of empowering leadership on antimicrobial stewardship: a single center study in a neonatal and pediatric intensive care unit and a literature review. Steinmann KE, Lehnick D, Buettcher M, Schwendener-Scholl K, Daetwyler K, Fontana M, Morgillo D, Ganassi K, O'Neill K, Genet P, Burth S, Savoia P, Terheggen U, Berger C, **Stocker M**. *Front Pediatr* 6:294, 2018
7. Time-to-positivity of blood cultures in children with sepsis. Alexa Dierig, Christoph Berger, Philipp Agyeman, Sara Bernhard-Stirnemann, Eric Giannoni, **Martin Stocker**, Klara M. Posfay-Barbe, Anita Niederer-Loher, Christian R. Kahlert, Alex Donas, Paul Hasters, Christa Relly, Thomas Riedel, Christoph Aebi, Luregn J. Schlapbach, Ulrich Heininger and the Swiss Pediatric Sepsis Study. *Front. Pediatr.* 6:222. doi: 10.3389/fped.2018.00222
8. Neonatal Sepsis of Early Onset, and Hospital-Acquired and Community-Acquired Late Onset: A Prospective Population-Based Cohort Study. Giannoni E, Agyeman PKA, **Stocker M**, Posfay-Barbe KM, Heininger U, Spycher BD, Bernhard-Stirnemann S, Niederer-Loher A, Kahlert CR, Donas A, Leone A, Hasters P, Rely C, Riedel T, Kuehni C, Aebi C, Berger C, Schlapbach LJ; Swiss Pediatric Sepsis Study. *J Pediatr.* 2018 Jul 24. pii: S0022-3476(18)30761-3. doi: 10.1016/j.jpeds.2018.05.048.
9. Efficacy and safety of Procalcitonin-guided decision-making versus standard care for duration of antibiotic therapy in neonates suspected of early-onset sepsis: the NeoPInS study - an international, multicenter, non-inferiority randomized controlled intervention trial. **Martin Stocker**, Wendy van Herk, Salhab el Helou, Sourabh Dutta, Matteo S Fontana, Frank ABA Schuerman, Rita K van den Tooren-de Groot, Jantien W Wieringa, Jan Janota, Laura H van der Meer-Kappelle, Rob Moonen, Sintha D Sie, Esther de Vries, Albertine E Donker, Urs Zimmerman, Luregn J Schlapbach, Amerik C de Mol, Angelique Hoffman-Haringsma, Madan Roy, Maren Tomaske, René F Kornelisse, Juliette van Gijssel, Eline G Visser, Sten P Willemsen, Annemarie MC van Rossum for the NeoPInS Study Group. *Lancet* 2017 August 26;390:871-81. doi: 10.1016/S0140-6736(17)31444-7
10. Severe viral respiratory infections in children with *IFIH1* loss-of-function mutations. Asgari S, Schlapbach LJ, Anchisi S, Hammer C, Bartha I, Junier T, Mottet-Osman G, Posfay-Barbe KM, Longchamp D, **Stocker M**, Cordey S, Kaiser L, Riedel T, Kenna T, Long D, Schibler A, Telenti A, Tapparel C, McLaren PJ, Garcin D, Fellay J. *Proc Natl Acad Sci U S A.* 2017 Aug 1;114(31):8342-8347. doi: 10.1073/pnas.1704259114.
11. Epidemiology of Blood Culture-proven Bacterial Sepsis in Children in Switzerland - a Population-based Cohort Study. Philipp KA Agyeman, Luregn J Schlapbach, Eric Giannoni, **Martin Stocker**, Klara M Posfay-Barbe, Ulrich Heininger, Matthias Schindler, Insa Korten, Gabriel Konetzny, Anita Niederer-Loher, Christian R Kahlert, Alex Donas, Antonio Leone, Paul Hasters, Christa Relly, Walter Baer, Claudia E Kuehni, Christoph Aebi, Christoph Berger, for the Swiss Pediatric Sepsis Study. *Lancet Child Adolesc Health* 2017 July 20;1(2):124.33
12. Variation in Current Management of Term and Late-preterm Neonates at Risk for Early-onset Sepsis: An International Survey and Review of Guidelines. van Herk W, el Helou S, Janota J, Hagmann C, Klingenberg C, Staub E, Giannoni E, Tissieres P, Schlapbach LJ, van Rossum AM, Pilgrim SB, **Stocker M**. *Pediatr Infect Dis J.* 2016 May;35(5):494-500. doi: 10.1097/INF.0000000000001063.

13. Incidence and Outcome of Group B Streptococcal Sepsis in Infants in Switzerland. Giannoni E, Berger C, **Stocker M**, Agyeman P, Posfay-Barbe KM, Heininger U, Konetzny G, Niederer-Loher A, Kahlert C, Donas A, Leone A, Hasters P, Relly C, Baer W, Aebi C, Schlapbach LJ; Swiss Pediatric Sepsis Study Group. *Pediatr Infect Dis J*. 2016 Feb;35(2):222-4. doi: 10.1097/INF.0000000000000974
14. Normal values for pancreatic stone protein in different age groups. Schlapbach LJ, Giannoni E, Wellmann S, **Stocker M**, Ammann RA, Graf R. *BMC Anesthesiol*. 2015 Nov 20;15:168. doi: 10.1186/s12871-015-0149-y.
15. Pancreatic stone protein as a novel marker for neonatal sepsis. Schlapbach L, Graf R, Woerner A, Fontana M, Zimmermann-Baer U, Glauser D, Giannoni E, Roger T, Mueller C, Nelle M, **Stocker M**. *Int Care Med* 2013; 39(4):754-63
16. Recommendations for term and late preterm infants at risk for perinatal bacterial infection. **Stocker M**, Berger C, McDopugall J, Giannoni E. *SMW* 2013; 143:w13873
17. Antibiotic surveillance on a paediatric intensive care unit: easy attainable strategy at low costs and resources. **Stocker M**, Ferrao E, Banya W, Cheong J, Macrae D, Furck A. *BMC Pediatrics* 2012; 12(1):196
18. Neonatal Procalcitonin Intervention Study (NeoPInS) Effect of Procalcitonin-guided decision making on duration of antibiotic therapy in suspected neonatal early-onset sepsis: A multicentre randomized superiority and non-inferiority Intervention Study. **Stocker M**, Hop WC, van Rossum AM. *BMC Pediatrics* 2010; 10:89
19. Effect of PCT-guided decision making on duration of antibiotic therapy and outcome in suspected neonatal early-onset sepsis: Prospective, randomized intervention trial. **Stocker M**, Fontana M, ElHelou S, Wegscheider K, Berger TM. *Neonatology* 2010; 97: 165-174
20. Prospective population-based study of RSV-related intermediate care and intensive care unit admissions in Switzerland over a four-year-period (2001-2005). Berger TM, Aebi C, Duppenhaler A, **Stocker M**. *Infection* 2009; 37: 109-116