

## Publication List Prof. Dr. med. Martin Lacher, December 2021

### Original papers

1. Martynov I, Göpel W, Rausch TK, Härtel C, Franke A, Franz AR, Viemann D, Thome UH, **Lacher M**, Ackermann BW. Blood group AB increases risk for surgical necrotizing enterocolitis and focal intestinal perforation in preterm infants with very low birth weight. *Sci Rep.* 2021 Jul 2;11(1):13777. doi: 10.1038/s41598-021-93195-8. PMID: 34215818.
2. Pimentel DV, Suttkus A, Vogel M, **Lacher M**, Jurkutat A, Poulain T, Ceglarek U, Kratzsch J, Kiess W, Körner A, Mayer S. Effect of physical activity and BMI SDS on bone metabolism in children and adolescents. *Bone.* 2021 Dec; 153:116131. doi: 10.1016/j.bone.2021.116131. Epub 2021 Jul 24. PMID: 34314901.
3. Ginzel M, Martynov I, Haak R, **Lacher M**, Kluth D. Midgut development in rat embryos using microcomputed tomography. *Commun Biol.* 2021 Feb 12;4(1):190. doi: 10.1038/s42003-021-01702-4. PMID: 33580156.
4. Willms AG, Oldhafer KJ, Conze S, Thasler WE, von Schassen C, Hauer T, Huber T, Germer CT, Günster S, Bulian DR, Hirche Z, Filser J, Stavrou GA, Reichert M, Malkomes P, Seyfried S, Ludwig T, Hillebrecht HC, Pantelis D, Brunner S, Rost W, Lock JF; **CAMIN Study Group**. Appendicitis during the COVID-19 lockdown: results of a multicenter analysis in Germany. *Langenbecks Arch Surg.* 2021 Mar;406(2):367-375. doi: 10.1007/s00423-021-02090-3. Epub 2021 Feb 7. PMID: 33550453.
5. Zimmermann P, Martynov I, Perger L, Scholz S, **Lacher M**. 20 Years of Single-Incision-Pediatric-Endoscopic-Surgery: A Survey on Opinion and Experience Among International Pediatric Endosurgery Group Members. *J Laparoendosc Adv Surg Tech A.* 2021 Mar;31(3):348-354. doi: 10.1089/lap.2020.0797. Epub 2020 Dec 31. PMID: 33395367.
6. Wagner R, Li H, Ayoub L, Kahnamoui S, Patel D, Stefanovici C, **Lacher M**, Keijzer R. Epithelial cell-adhesion protein cadherin 26 is dysregulated in congenital diaphragmatic hernia and congenital pulmonary airway malformation. *Pediatr Surg Int.* 2021 Jan;37(1):49-57. doi: 10.1007/s00383-020-04769-y. Epub 2020 Nov 8. PMID: 33161446.
7. Landgraf K, Klötting N, Gericke M, Maixner N, Guiu-Jurado E, Scholz M, Witte AV, Beyer F, Schwartze JT, **Lacher M**, Villringer A, Kovacs P, Rudich A, Blüher M, Kiess W, Körner A. The Obesity-Susceptibility Gene TMEM18 Promotes Adipogenesis through Activation of PPARG. *Cell Rep.* 2020 Oct 20;33(3):108295.
8. Zimmermann P, Schmidt T, Nelson J, Gosemann JH, Bassler S, Stahmeyer JT, Hirsch FW, **Lacher M**, Zeidler J. Pediatric solid organ injury - frequency of abdominal imaging is determined by the treating department. *Medicine (Baltimore).* 2020 Nov 6;99(45):e23057. doi: 10.1097/MD.00000000000023057. PMID: 33157961.
9. Midrio P, van Rooij IALM, Brisighelli G, Garcia A, Fanjul M, Broens P, Iacobelli BD, Giné C, Lisi G, Sloots CEJ, Fascetti Leon F, Morandi A, van der Steeg H, Giuliani S, Grasshoff-Derr S, **Lacher M**, de Blaauw I, Jenetzky E. Inter- and Intraobserver Variation in the Assessment of Preoperative Colostograms in Male Anorectal Malformations: An ARM-Net Consortium Survey. *Front Pediatr.* 2020 Sep 18;8:571.
10. Martynov I, Klink T, Slowik V, Stich R, Zimmermann P, Engel C, **Lacher M\***,

**Boehm R\***. An exploratory randomized controlled trial comparing wood-composite and synthetic fibreglass splint systems for the immobilization of paediatric upper limb fractures. *Bone Joint J.* 2020 Oct;102-B(10):1405-1411 \* **equal contribution**

11. Markel M, Ginzel M, Peukert N, Schneider H, Haak R, Mayer S, Suttkus A, **Lacher M**, Kluth D, Gosemann JH. High resolution three-dimensional imaging and measurement of lung, heart, liver, and diaphragmatic development in the fetal rat based on micro-computed tomography (micro-CT). *J Anat.* 2020 Dec 2;238(4):1042–54. doi: 10.1111/joa.13355. Epub ahead of print. PMID: 33289078.
12. Deffaa OJ, Gosemann JH, **Lacher M**, Wagner R. Increased Incidence of Functional Constipation in Children with a History of Perianal Abscess-A Single-Center Retrospective Cohort Study. *Eur J Pediatr Surg.* 2021 Feb;31(1):76-79..
13. Rieke JM, Zhang R, Braun D, Yilmaz Ö, Japp AS, Lopes FM, Pleschka M, Hilger AC, Schneider S, Newman WG, Beaman GM, Nordenskjöld A, Ebert AK, Promm M, Rösch WH, Stein R, Hirsch K, Schäfer FM, Schmiedeke E, Boemers TM, **Lacher M**, Kluth D, Gosemann JH, Anderberg M, Barker G, Holmdahl G, Läckgren G, Keene D, Cervellione RM, Giorgio E, Di Grazia M, Feitz WFJ, Marcelis CLM, Van Rooij IALM, Bökenkamp A, Beckers GMA, Keegan CE, Sharma A, Dakal TC, Wittler L, Grote P, Zwink N, Jenetzky E, Brusco A, Thiele H, Ludwig M, Schweizer U, Woolf AS, Odermatt B, Reutter H. SLC20A1 Is Involved in Urinary Tract and Urorectal Development. *Front Cell Dev Biol.* 2020 Aug 7;8:567.
14. Martynov I, Gosemann JH, Hofmann AD, Kuebler JF, Madadi-Sanjani O, Ure BM, **Lacher M**. Vacuum-assisted closure (VAC) prevents wound dehiscence following posterior sagittal anorectoplasty (PSARP): An exploratory case-control study. *J Pediatr Surg.* 2020 Jul 12:S0022-3468(20)30488-7.
15. Feng X, **Lacher M**, Quitmann J, Witt S, Witvliet MJ, Mayer S. Health-Related Quality of Life and Psychosocial Morbidity in Anorectal Malformation and Hirschsprung's Disease. *Eur J Pediatr Surg.* 2020 Jun 26. doi: 10.1055/s-0040-1713597.
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17. Ebert AK, Zwink N, Reutter HM, Jenetzky E, Stein R, Hölscher AC, **Lacher M**, Fortmann C, Obermayr F, Fisch M, Mortazawi K, Schmiedeke E, Promm M, Hirsch K, Schäfer FM, Rösch WH. Treatment Strategies and Outcome of the Exstrophy-Epispadias Complex in Germany: Data From the German CURE-Net. *Front Pediatr.* 2020 May 19;8:174.
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27. Wagner R, Tse WH, Gosemann JH, **Lacher M**, Keijzer R. Prenatal maternal biomarkers for the early diagnosis of congenital malformations: A review. *Pediatr Res*. 2019 May 15.
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40. Ginzel M, Feng X, Kuebler JF, Klemann C, Yu Y, von Wasielewski R, Park JK, Hornef MW, Vieten G, Ure BM, Kaussen T, Gosemann JH, Mayer S, Suttkus A, **Lacher M**. Dextran sodium sulfate (DSS) induces necrotizing enterocolitis-like lesions in neonatal mice. *PLoS One*. 2017 Aug 17;12(8):e0182732. IF 2,766
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der Helm RM, Douben H, Van Opstal D, Wijnen RM, Beverloo HB, van Bever Y, Brooks AS, IJsselstijn H, Scott DA, Schumacher J, Tibboel D, Reutter H, de Klein A. Copy number variations in 375 patients with oesophageal atresia and/or tracheoesophageal fistula. *Eur J Hum Genet.* 2016 Dec;24(12):1715-1723. doi: 10.1038/ejhg.2016.86. Epub 2016 Jul 20. PMID: 27436264.

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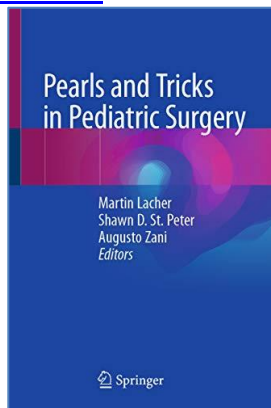
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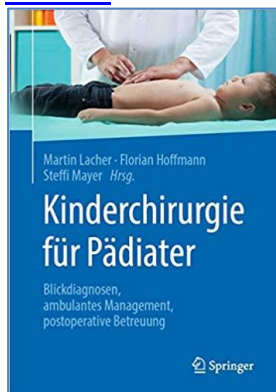
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