

## **Publikationen und sonstige Aktivitäten: Richard Schalk, M.Sc.**

### **2024**

- Was die Klinik Zusammenhält – Ein Fixierungsfehler in punkto Patientensicherheit? Eingereicht in Die Anästhesiologie. DEAN-S-24-00047
- OP-Schuhe – soweit die Füße tragen. intensiv 2024; 32(01): 38-42. DOI: 10.1055/a-2168-8222.
- Das Rückschlagventil – wissenswerte Eigenschaften für die sichere Anwendung. Anaesthesiologie. 2024 Feb;73(2):124-129. doi: 10.1007/s00101-023-01369-y. Epub 2024 Jan 12.

### **2022**

- Epidural Catheterization in Obstetrics: A Checklist-Based Video Assessment of Free Available Video Material. Flinspach AN, Raimann FJ, Schalk R, Bepler L, Ruessler M, Flinspach MH, Zacharowski K, Sterz J. J Clin Med. 2022 Mar 20;11(6):1726. doi: 10.3390/jcm11061726. PMID: 35330050.

### **2021**

- Kapitel 4 Vorbereitung des Anästhesiearbeitsplatzes und des Patienten. Reinhard Larsen, Tilmann Müller-Wolff, Carsten Hermes, Richard Schalk. R. Larsen, T. Fink, T. Müller-Wolff (Hrsg.), Springer, Berlin, Heidelberg. Larsens Anästhesie und Intensivmedizin für die Fachpflege, <https://doi.org/10.1007/978-3-662-63127-0>.

### **2020**

- Peripheral intravenous lines: A multifaceted topic. Schalk R, Mai T, Ochmann T. Med Klin Intensivmed Notfmed. 2020 Oct;115(7):550-556. doi: 10.1007/s00063-020-00732-w. Epub 2020 Sep 3. PMID: 32880673.
- Influence of temperature on volume, weight and density changes of i-gel masks. Martin C, Piekarski F, Mutlak H, Schalk R, Dubinski D, Zacharowski K, Raimann F. Anaesthesiol Intensive Ther. 2020;52(2):119-125. doi: 10.5114/ait.2020.93416. PMID: 32191829; PMCID: PMC10176517.

### **2019**

- Erfahrungsschatz Notfallmedizin 100 kritische Ereignisse, Fehler und Komplikationen. Christian Weber, Patrick Meybohm, Hartwig Marung, Richard Schalk, Sebastian Stehr, Jan-Thorsten Gräsner, Wolfgang Heinrichs, Ralf Michael Muellenbach (Hrsg.). Georg Thieme Verlag KG, Stuttgart, New York. ISBN 9783132415454. 2019.
- Comparing Four Video Laryngoscopes and One Optical Laryngoscope with a Standard Macintosh Blade in a Simulated Trapped Car Accident Victim. Raimann FJ, Tepperis DM, Meininger D, Zacharowski K, Schalk R, Byhahn C, Weber CF, Mutlak H.

Emerg Med Int. 2019 Oct 1;2019:9690839. doi: 10.1155/2019/9690839. PMID: 31662911; PMCID: PMC6791209.019.

- Out-of-hospital airway management with a laryngeal tube or endotracheal intubation for out-of-hospital cardiac arrest: Influence on in-hospital mortality. Erath JW, Reichert A, Büttner S, Weiler H, Vamos M, von Jeinsen B, Heyl S, Schalk R, Mutlak H, Zeiher AM, Fichtlscherer S, Honold J. Med Klin Intensivmed Notfmed. 2020 Apr;115(3):213-221. German. doi: 10.1007/s00063-019-0588-1. Epub 2019 Jun 13. PMID: 31197418.

## **2018**

- Use of Laryngeal Tubes in Emergency Medicine: Complications and Pitfalls. Schalk, Richard; Byhahn, Christian; Klüner, Claudia; Bernhard, Michael. NOTARZT 2018; 34(03): 124 – 131. DOI: 10.1055/a-0602-3799.

## **2017**

- Laryngeal tube suction for airway management during in-hospital emergencies. Mutlak H, Weber CF, Meininger D, Cuca C, Zacharowski K, Byhahn C, Schalk R. Clinics (Sao Paulo). 2017 Jul;72(7):422-425. doi: 10.6061/clinics/2017(07)06. PMID: 28793002.

## **2016**

- Fehler und Irrtümer in der Intensivmedizin. Patrick Meybohm, Wolfgang Heinrichs, Sebastian Stehr, Ralf Michael Muellenbach, Richard Schalk (Hrsg.). Georg Thieme Verlag KG, Stuttgart, New York. ISBN: 9783132033917.
- Preclinical duty of care during cuff pressure management. Schalk R. Med Klin Intensivmed Notfmed. 2016 Nov;111(8):737-742. doi: 10.1007/s00063-015-0115-y. Epub 2015 Dec 8. PMID: 26646165
- Viral Infections Among the Nursing Personnel - a Survey. Wicker S, Rabenau HF, Schachtrupp A, Schalk R. Gesundheitswesen. 2018 May;80(5):453-457. doi: 10.1055/s-0042-116317. Epub 2016 Sep 12.
- Patient Blood Management is Associated With a Substantial Reduction of Red Blood Cell Utilization and Safe for Patient's Outcome: A Prospective, Multicenter Cohort Study With a Noninferiority Design. Meybohm P, Herrmann E, Steinbicker AU, Wittmann M, Gruenewald M, Fischer D, Baumgarten G, Renner J, Van Aken HK, Weber CF, Mueller MM, Geisen C, Rey J, Bon D, Hintereder G, Choorapoikayil S, Oldenburg J, Brockmann C, Geissler RG, Seifried E, Zacharowski K; PBM-study Collaborators. Ann Surg. 2016 Aug;264(2):203-11. doi: 10.1097/SLA.0000000000001747.PMID: 27163948
- Gewinner eines Patient Blood Management Konzeptes: der Patient, der Arzt, der Krankenhausträger sowie die Gesellschaft. Meybohm P, Buderus V, Schalk R, Zacharowski K. Forschung & Wissenschaft 2016;6:558-62.

- Patient Blood Management erhöht Patientensicherheit. Schalk, R., Meybohm, P., Reichel, R. et al. *Heilberufe* 68, 39–42 (2016). <https://doi.org/10.1007/s00058-016-2335-9>.

## **2015**

- A radiographic comparison of human airway anatomy and airway manikins-- Implications for manikin-based testing of artificial airways. Schalk R, Eichler K, Bergold MN, Weber CF, Zacharowski K, Meininger D, Byhahn C, Mutlak H. *Resuscitation*. 2015 Jul;92:129-36. doi: 10.1016/j.resuscitation.2015.05.001. Epub 2015 May 11. PMID: 25976410.
- Out-of-hospital airway management. Five scenes of a tragedy. Byhahn C, Schalk R, Russo SG. *Anaesthesist*. 2014 Jul;63(7):543-5. doi: 10.1007/s00101-014-2349-0. PMID: 2499401514

## **2014**

- Complications associated with the prehospital use of laryngeal tubes--a systematic analysis of risk factors and strategies for prevention. Schalk R, Seeger FH, Mutlak H, Schweigkofler U, Zacharowski K, Peter N, Byhahn C. *Resuscitation*. 2014 Nov;85(11):1629-32. doi: 10.1016/j.resuscitation.2014.07.014. Epub 2014 Aug 7. PMID: 25110247.
- Comparison of the TruView infant EVO2 PCD™ and C-MAC video laryngoscopes with direct Macintosh laryngoscopy for routine tracheal intubation in infants with normal airways. Mutlak H, Rolle U, Rosskopf W, Schalk R, Zacharowski K, Meininger D, Byhahn C. *Clinics (Sao Paulo)*. 2014 Jan;69(1):23-7. doi: 10.6061/clinics/2014(01)04. PMID: 24473556.

## **2013**

- Taking over a patient with preclinical laryngeal tube. Schalk R. *Med Klin Intensivmed Notfmed*. 2013 Jun;108(5):429-33. doi: 10.1007/s00063-013-0248-9. Epub 2013 Jun 7. PMID: 23740107
- TEAM®-G (Trauma Evaluation and Management Germany). Serves as a basis for an interdisciplinary training in the emergency room. Walcher F, Scheller B, Heringer F, Mack M, Rüsseler M, Wutzler S, Wyen H, Schalk R, Eichler K, Byhahn C, Müller MP, Breitzkreutz R, Marzi I. *Unfallchirurg*. 2013 Jul;116(7):602-9. doi: 10.1007/s00113-012-2170-7. PMID: 22367522.
- *Der Larynx-Tubus-Suction – Ein Notfallkonzept!* R. Schalk. Alerra-Verlag. Frankfurt am Main. ISBN-10: 3000222626.

## **2012**

- Implementation of the laryngeal tube for prehospital airway management: training of 1,069 emergency physicians and paramedics. Schalk R, Auhuber T, Haller O,

Latasch L, Wetzel S, Weber CF, Ruessler M, Byhahn C. *Anaesthesist*. 2012 Jan;61(1):35-40. doi: 10.1007/s00101-011-1966-0. Epub 2012 Jan 25. PMID: 22273823.

- Reintubation using the C-MAC videolaryngoscope. Implementation in patients with difficult airways initially managed with in situ laryngeal tubes. Schalk R, Weber CF, Byhahn C, Reyher C, Stay D, Zacharowski K, Meininger D. *Anaesthesist*. 2012 Sep;61(9):777-82. doi: 10.1007/s00101-012-2072-7. Epub 2012 Aug 29. PMID: 22926681
- Comparative quality analysis of hands-off time in simulated basic and advanced life support following European Resuscitation Council 2000 and 2005 guidelines. Ilper H, Kunz T, Pflieger H, Schalk R, Byhahn C, Ackermann H, Breitkreutz R. *Emerg Med J*. 2012 Feb;29(2):95-9. doi: 10.1136/emj.2009.086439. Epub 2010 Sep 15. PMID: 20844098

## **2011**

- Laryngeal tube II: alternative airway for children? Schalk R, Scheller B, Peter N, Roskopf W, Byhahn C, Zacharowski K, Meininger D. *Anaesthesist*. 2011 Jun;60(6):525-33. German. doi: 10.1007/s00101-010-1845-0. Epub 2011 Jan 20. PMID: 21246182.
- Disposable laryngeal tube suction: standard insertion technique versus two modified insertion techniques for patients with a simulated difficult airway. Schalk R, Engel S, Meininger D, Zacharowski K, Holzer L, Scheller B, Byhahn C. *Resuscitation*. 2011 Feb;82(2):199-202. doi: 10.1016/j.resuscitation.2010.09.474. Epub 2010 Nov 18. PMID: 21093140.
- Emergency airway management in trauma patients using laryngeal tube suction. Schalk R, Meininger D, Ruessler M, Oberndörfer D, Walcher F, Zacharowski K, Latasch L, Byhahn C. *Prehosp Emerg Care*. 2011 Jul-Sep;15(3):347-50. doi: 10.3109/10903127.2011.561405. Epub 2011 Apr 26. PMID: 21521037.
- Efficacy of the EZ-IO needle driver for out-of-hospital intraosseous access--a preliminary, observational, multicenter study. Schalk R, Schweigkofler U, Lotz G, Zacharowski K, Latasch L, Byhahn C. *Scand J Trauma Resusc Emerg Med*. 2011 Oct 26;19:65. doi: 10.1186/1757-7241-19-65. PMID: 22029625; PMCID: PMC3212886.
- Prehospital airway management of laryngeal tubes. Should the laryngeal tube S with gastric drain tube be preferred in emergency medicine? Dengler V, Wilde P, Byhahn C, Mack MG, Schalk R. *Anaesthesist*. 2011 Feb;60(2):135-8. German. doi: 10.1007/s00101-010-1774-y. Epub 2010 Oct 15. PMID: 20945054.

## **2010**

- Tracheal intubation using the mobile C-MAC video laryngoscope or direct laryngoscopy for patients with a simulated difficult airway. Byhahn C, Iber T, Zacharowski K, Weber CF, Ruessler M, Schalk R, Meininger D. *Minerva Anesthesiol*. 2010 Aug;76(8):577-83. PMID: 20661197.

- Laryngeal tube suction - Temporary device for emergency patients with a difficult airway Scheller B, Walcher F, Byhahn C, Zacharowski K, Bingold TM, Schalk R. *Anaesthesist*. 2010 Mar;59(3):210-2, 214-6. German. doi: 10.1007/s00101-010-1681-2. PMID: 20157685.

## **2009**

- Out-of-hospital airway management by paramedics and emergency physicians using laryngeal tubes. Schalk R, Byhahn C, Fausel F, Egner A, Oberndörfer D, Walcher F, Latasch L. *Resuscitation*. 2010 Mar;81(3):323-6. doi: 10.1016/j.resuscitation.2009.11.007. Epub 2009 Dec 16. PMID: 20006418.
- Laryngeal tube suction II for difficult airway management in neonates and small infants. Scheller B, Schalk R, Byhahn C, Peter N, L'Allemand N, Kessler P, Meininger D. *Resuscitation*. 2009 Jul;80(7):805-10. doi: 10.1016/j.resuscitation.2009.03.029. Epub 2009 May 2. PMID: 19410354.

## **2008**

- Disposable laryngeal tube suction--a randomized comparison of two insertion techniques performed by novice users in anaesthetised patients. Schalk R, Scheller B, Habler OP, Meier J, Meininger D, Byhahn C. *Resuscitation*. 2008 Mar;76(3):364-8. doi: 10.1016/j.resuscitation.2007.08.018. Epub 2007 Nov 1. PMID: 17935855.

## **2007**

- Laryngeal tube S-II to facilitate fiberoptic endotracheal intubation in an infant with Boring-Opitz syndrome. Lotz G, Schalk R, Byhahn C. *Anesth Analg*. 2007 Nov;105(5):1516-7. doi: 10.1213/01.ane.0000287016.13697.77. PMID: 17960001