

Curriculum Vitae

Name: Manfred Blobner, M.D.

Date of Birth: December 27, 1958

Place of Birth: Vohenstrauß, Germany

Address (office 1): Department of Anaesthesiology and Intensive care Medicine
Technical University of Munich
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Education

1965 - 1969 Volksschule Vohenstrauß

1969 - 1978 Kepler Gymnasium Weiden/Opf.

1978 - 1980 Freie Universität Regensburg
Faculty of Preclinical Medicine

1980 - 1985 Technical University of Munich
Faculty of Medicine
Faculty of Physics

Academic Training

1986 Department of Anaesthesiology, Technical University of Munich, Klinikum rechts der Isar

1986 - 1992 Assistant in Research

1992 Assistant Professor of Anaesthesiology

1997 Associate Professor of Anaesthesiology

2003 Professor of Anaesthesiology

Certifications:

1978	Abitur
1984	Diploma of Medicine
1986	Technical University of Munich, School of Medicine, doctorate thesis: <i>The low T₃ syndrome in intensive care patients</i>
1997	Technical University of Munich, School of Medicine, state doctorate thesis (PhD correlate): <i>Effects of CO₂ and elevated IAP on splanchnic circulation</i>

Prizes, Awards and Honors:

1978	Best of 182 high school graduates Kepler-Gymnasium Weiden
1978 – 1984	Recipient of the Bavarian State Stipend (BayBFG)
1999 – 2014	Supervisor and mentor for 13 scholarship holder and excellence in research awardees

Professional Positions

1985 - 1986	Military physician German Bundeswehr, 5 th Infantry Division, 4 th Artillery Regiment, Surveillance Battalion
1986 - 1992	Resident, Department of Anaesthesiology, Technical University of Munich
1992 - 1995	Consultant Anesthetist, Department of Anaesthesiology, Technical University of Munich
1995 - 1999	Attendant Anesthetist, Department of Anaesthesiology, Technical University of Munich
1999 - 2004	Assistant Medical Director, Department of Anaesthesiology, Technical University of Munich
2004 - 2020	Vice-Chair, Department of Anaesthesiology, Technical University of Munich
Since 2020	Chair of the research unit, Department of Anaesthesiology and Intensive Care Medicine, Technical University of Munich
Since 2020	Senior Consultant, Department of Anaesthesiology and Intensive Care Medicine, University of Ulm

Licenses:

1984	Approbation in Medicine
1990	Diploma of Emergency Medicine
1992	Diploma of Anaesthesiology
1998	Diploma of Chief in Emergency Medicine
1998	Diploma of Intensive Care Medicine

Membership in Professional and Scientific Societies

European Society of Anaesthesiology (ESAIC)

International Anesthesia Research Society (IARS)

American Society of Anesthesiologists (ASA)

German Society of Anaesthesiology and Intensive Care Medicine (DGAI)

Association of German Anesthesiologists (BDA)

Teaching Activities**Medical students**

1988 - 2019	Practical teaching of final year students (6h weekly)
Since 1997	Lecture "Topics on experimental anesthesia" (2h weekly)
1997 - 2007	Lecture "Receptors related to anesthesia" (2h weekly)
2001 - 2012	Lecture "Circulatory Monitoring in Cardio-Anesthesia" (1h weekly)
Since 2004	Lecture Anesthesia and Critical Care (2h weekly)

Continuous Medical Education

1998 - 2016	Coordinator of the Resident Program, Klinik für Anaesthesiologie, Klinikum rechts der Isar
1999 - 2004	Tutor and local coordinator of the Bavarian project CME Anesthesia and Intensiv Care (WAB)
2001 - 2012	Medical advisor of the Nursing School "Anesthesia and Intensive Care", Klinikum rechts der Isar.

Scientific Activities

Editorial Boards

Since 2020	Associated Editor British Journal of Anaesthesia
2002-2010	Section Editor: Anästhesie, Intensivmedizin, Notfallmedizin, Schmerztherapie
Since 1998	Reviewer for up to 15 journals within one year of the top 20% of the field

Clinical trials for the approval of drugs / medical products with German, European or US authorities, including a selection of trials before the relevant legislation was enacted

Title:	Mivacurium in patients with renal dysfunction (Phase 3)
Sponsor:	Wellcome Foundation, UK
Function:	Subinvestigator
Applicable law:	AMG
Time:	1991-1992
Title:	Comparison of intubating conditions after Org 9487 and succinylcholine following rapid-sequence induction in adult patients, (CT_17.4.303)
Sponsor:	OrganonTeknika, Boxtel, NL
Applicable law:	AMG
Function:	Principal investigator
Time:	1997-1998
Title:	A multi-center randomized parallel group comparative assessor-blinded, phase III study comparing the intubating conditions at 60 seconds during elective rapid sequence induction between two dose levels of Org 9487 and succinylcholine (CT_17.4.314)
Sponsor:	OrganonTeknika, Boxtel, NL
Applicable law:	AMG
Function:	Principal investigator
Time:	1998-1999
Title:	A Multicenter, Randomized, Controlled, Observer-Blinded, Dose-Response Study to Evaluate The Efficacy in Tracheal Intubation and Safety of Gantacurium Chloride for Injection in Healthy Adult Patients Undergoing Surgery with General Anesthesia. Protocol number: MR/EUM202
EudraCT Number:	2004-004728-11
Sponsor:	Avera Pharmaceuticals Inc., San Diego, Ca, U.S.A.
Function:	Principal investigator, Leiter klinische Prüfung
Applicable law:	AMG
Time:	2005-2006
Title:	A prospective, randomised, double-blind, placebo-controlled, international, multicentre, parallel-group comparison trial evaluating the efficacy and safety of tenecteplase during cardiopulmonary resuscitation as compared with standard treatment in patients suffering from out-of-hospital cardiac

arrest of presumed cardiac origin. Thrombolysis in Cardiac Arrest (TROICA) Trial (Study number: 1123.18)

Sponsor: Boehringer Ingelheim Pharma GmbH & Co. KG, Biberach a.d. Riss, Germany
 Function: Principal investigator
 Applicable law: AMG
 Time: 2005-2006

Title: **A multi-center, randomized, parallel group, comparative, active controlled, safety-assessor-blinded, phase IIIa, pivotal trial, in adult subjects comparing Org 25969 with neostigmine as reversal agent of an neuromuscular block induced by rocuronium or vecuronium at reappearance of T2** (Protocol number: 19.4.301)

EudraCT Number: 2005-001135-30
 Sponsor: NV Organon, Oss, NL
 Function: Principal investigator, Leiter klinische Prüfung (LKP)
 Applicable law: AMG
 Time: 2005-2006
 Audit: Official FDA Audit in Feb 2007 without any remarks

Title: **A multi-center, randomized, parallel group, placebo-controlled, safety-assessor blinded trial evaluating the safety and efficacy of Org 25969 in cardiac patients** (Protocol number: 19.4.309)

EudraCT Number: 2005-002000-42
 Sponsor: NV Organon, Oss, NL
 Function: Principal investigator, Leiter klinische Prüfung
 Applicable law: AMG
 Time: 2005-2006

Title: **Reversal of Neuromuscular Blockade With Sugammadex or Usual Care in Hip Fracture Surgery or Joint (Hip/Knee) Replacement (Protocol number: P07038)**

Sponsor: MSD, Oss, NL
 NCT Number: 01422304
 Function: Principal investigator
 Applicable law: AMG
 Time: 2011-2014

Title: **A Study Comparing the Use of Deep or Standard Neuromuscular Blockade in Combination with Low or Standard Insufflation Pressures in Participants Undergoing Laparoscopic Cholecystectomy** (Protocol number: P07982)

NCT Number: 01728584
 Function: Scientific Lead
 Applicable law: AMG (neuromuscular blockade) / MPG (intraabdominal insufflation)
 Time: 2012-2015

Title: **Early, goal-directed mobilisation in the surgical intensive care unit: a randomised controlled trial (SOMS Trial)**

NCT Number: 01865513
 Function: Principal investigator
 Applicable law: MPG (mobilization)
 Time: 2013-2016

Title: **Comparison of AMG and EMG to Avoid Residual Paralysis After General Anesthesia (CAMEM)**

NCT Number: 02126852
 Function: Chief investigator
 Applicable law: MPG ("other study")
 Time: 2014 - 2019

Title: **SUBstitution of PERioperative Albumin Deficiency Disorders (SuperAdd)**
 EudraCT: 2016-001313-24
 Function: Chief investigator
 Applicable law: AMG
 Time: 2016 - 2020

Title: **A Prospective Multicentre Phase III Randomised Controlled Trial of Early Activity and Mobilisation Compared with Standard Care in Invasively Ventilated Patients in Intensive Car (TeamTrial)**

NCT Number: 03133377
 Function: Principal investigator
 Applicable law: AMG
 Time: since 2018

Title: **Safety of Sugammadex for the Reversal of Neuromuscular Block-ade in American Society of Anesthesiologists (ASA) Class 3 or 4 Subjects**

EudraCT NUMBER: 2017-000187-15
 Function: Principal investigator
 Applicable law: AMG
 Time: 2018 - 2020

Title: **A Phase 4 Randomized, Active-Comparator Controlled Trial to Study the Efficacy and Safety of Sugammadex (MK-8616) for the Reversal of Neuromuscular Blockade Induced by Either Rocuronium Bromide or Vecuronium Bromide in Morbidly Obese Sub-jects**

EudraCT NUMBER: 2017-000188-33
 Function: Principal investigator
 Applicable law: AMG
 Time: 2018 - 2020

Title: **A Phase4Double-Blinded, Randomized, Active Comparator-Controlled Clinical Trial to Study the Efficacy, Safety, and Pharmacokinetics of Sugammadex (MK-8616) for Reversal of Neuro-muscular Blockade in Pediatric Participants**

EudraCT NUMBER: 2017-000 692-92
 Function: Principal investigator, LKP
 Applicable law: AMG
 Time: 2019 - 2021

Clinical Fields of Interest

- Prediction of surgical outcome using artificial intelligence
- Outcomes related to management of neuromuscular function
- Early goal-directed mobilization

Experimental Fields of Interest

- Interaction of immobilization and infection on muscle function
- Effects of anesthetics on cognitive function and behavior of rats measured in the modified hole board environment: M. Alzheimer, cardiopulmonary bypass, sepsis, ischemia, and trauma
- Big data analyses in perioperative medicine

Publications

Journal contributions(1-168):

h-Index (Web of Science Collection): 31

1. Scheffenbichler FT, Teja B, Wongtangman K, Mazwi N, Waak K, Schaller SJ, et al. Effects of the level and duration of mobilization therapy in the surgical ICU on the loss of the ability to live independently: An international prospective cohort study. *Crit Care Med.* 2021;49(3):e247-e57.
2. Horrow JC, Li W, Blobner M, Lombard J, Speek M, DeAngelis M, et al. Actual versus ideal body weight dosing of sugammadex in morbidly obese patients offers faster reversal of rocuronium- or vecuronium-induced deep or moderate neuromuscular block: a randomized clinical trial. *BMC Anesthesiol.* 2021;21(1):62.
3. Herring WJ, Mukai Y, Wang A, Lutkiewicz J, Lombard JF, Lin L, et al. A randomized trial evaluating the safety profile of sugammadex in high surgical risk ASA physical class 3 or 4 participants. *BMC Anesthesiol.* 2021;21(1):259.
4. Fuest KE, Lorenz M, Grunow JJ, Weiss B, Mörgeli R, Finkenzeller S, et al. The Functional Trajectory in Frail Compared With Non-frail Critically Ill Patients During the Hospital Stay. *Frontiers in Medicine.* 2021;8.
5. Fuest K, Dorfhuber F, Lorenz M, von Dincklage F, Morgeli R, Kuhn KF, et al. Comparison of volume-controlled, pressure-controlled, and chest compression-induced ventilation during cardiopulmonary resuscitation with an automated mechanical chest compression device: A randomized clinical pilot study. *Resuscitation.* 2021;166:85-92.
6. Blobner M, Hunter JM. Supraglottic airway, tracheal intubation, and neuromuscular block: will the menage a trois endure? *Br J Anaesth.* 2021;127(2):174-7.
7. Bai J, Fugener A, Gonsch J, Brunner JO, Blobner M. Managing admission and discharge processes in intensive care units. *Health Care Manag Sci.* 2021.
8. Anetsberger A, Jungwirth B, Blobner M, Ringel F, Bernlochner I, Heim M, et al. Association of Troponin T levels and functional outcome 3 months after subarachnoid hemorrhage. *Sci Rep.* 2021;11(1):16154.
9. Unterbuchner C, Werkmann M, Ziegleder R, Kraus S, Seyfried T, Graf B, et al. Shortening of the twitch stabilization period by tetanic stimulation in acceleromyography in infants, children and young adults (STSTS-Study): a prospective randomised, controlled trial. *J Clin Monit Comput.* 2020;34(6):1343-9.
10. Stauble CG, Blobner M. The future of neuromuscular blocking agents. *Curr Opin Anaesthesiol.* 2020;33(4):490-8.

11. Scheffenbichler L, Teja B, Scheffenbichler F, Blobner M, Houle T, Eikermann M, et al. Influence of the acuity of patients' illness on effectiveness of early, goal-directed mobilization in the intensive care unit: a post hoc analysis. *Crit Care*. 2020;24(1):663.
12. Schaller SJ, Fuest K, Ulm B, Schmid S, Bubb C, von Eisenhart-Rothe R, et al. Substitution of perioperative albumin deficiency disorders (SuperAdd) in adults undergoing vascular, abdominal, trauma, or orthopedic surgery: protocol for a randomized controlled trial. *Trials*. 2020;21(1):726.
13. Kagerbauer S, Blobner M, Ulm B, Jungwirth B. [Tomorrow is already here [1] How machine learning is influencing anaesthesiology and intensive care medicine]. *AnästH Intensivmed*. 2020;61:85–96.
14. Hermes C, Nydahl P, Blobner M, Dubb R, Filipovic S, Kaltwasser A, et al. Assessment of mobilization capacity in 10 different ICU scenarios by different professions. *PLoS One*. 2020;15(10):e0239853.
15. Borgstedt L, Blobner M, Musiol M, Bratke S, Syryca F, Rammes G, et al. Neurotoxicity of different amyloid beta subspecies in mice and their interaction with isoflurane anaesthesia. *PLOS ONE*. 2020;15(12):e0242989.
16. Blobner M, Hunter JM, Meistelman C, Hoeft A, Hollmann MW, Kirmeier E, et al. Use of a train-of-four ratio of 0.95 versus 0.9 for tracheal extubation: an exploratory analysis of POPULAR data. *Br J Anaesth*. 2020;124(1):63-72.
17. Blobner M, Hunter JM. Another nail in the coffin of succinylcholine? *Br J Anaesth*. 2020;125(4):423-5.
18. Anetsberger A, Gempt J, Blobner M, Ringel F, Bogdanski R, Heim M, et al. Impact of Goal-Directed Therapy on Delayed Ischemia After Aneurysmal Subarachnoid Hemorrhage: Randomized Controlled Trial. *Stroke*. 2020;51(8):2287-96.
19. Veelo DP, Gisbertz SS, Binnekade JM, Hannivoort RA, Bosman JA, Geerts BF, et al. On-demand versus continuous rocuronium infusion for deep neuromuscular relaxation in patients undergoing thoraco-laparoscopic esophagectomy: a randomized-controlled clinical trial (DEPTH). *Can J Anaesth*. 2019;66(9):1062-74.
20. Stauble CG, Blobner M. [Rapid Sequence Induction - Which Medication Should Be Used?]. *Anesthesiol Intensivmed Notfallmed Schmerzther*. 2019;54(10):604-15.
21. Schmid S, Rammes G, Blobner M, Kellermann K, Bratke S, Fendl D, et al. Cognitive decline in Tg2576 mice shows sex-specific differences and correlates with cerebral amyloid-beta. *Behavioural brain research*. 2019;359:408-17.
22. Schmid S, Blobner M, Haas B, Lucke M, Neumaier M, Anetsberger A, et al. Perioperative multi-system optimization protocol in elderly hip fracture patients: a randomized-controlled trial. *Can J Anaesth*. 2019;66(12):1472-82.
23. Schaller SJ, Scheffenbichler FT, Bose S, Mazwi N, Deng H, Krebs F, et al. Influence of the initial level of consciousness on early, goal-directed mobilization: a post hoc analysis. *Intensive Care Med*. 2019;45(2):201-10.
24. Schaller SJ, Kappler FP, Hofberger C, Sattler J, Wagner R, Schneider G, et al. Differences in pain treatment between surgeons and anaesthesiologists in a physician staffed prehospital emergency medical service: a retrospective cohort analysis. *BMC Anesthesiol*. 2019;19(1):18.
25. Kraul S, Fügener A, Brunner JO, Blobner M. A robust framework for task-related resident scheduling. *Eur J Oper Res*. 2019;276(2):656-75.
26. Kirmeier E, Eriksson LI, Lewald H, Jonsson Fagerlund M, Hoeft A, Hollmann M, et al. Post-anaesthesia pulmonary complications after use of muscle relaxants (POPULAR): a multicentre, prospective observational study. *Lancet Respir Med*. 2019;7(2):129-40.

27. Kagerbauer SM, Kadera V, Gordan LM, Blobner M, Torok E, Schmid S, et al. Influence of sex and hormonal status on initial impact and neurocognitive outcome after subarachnoid haemorrhage in rats. *Behavioural brain research*. 2019;363:13-22.
28. Gross CN, Brunner JO, Blobner M. Hospital physicians can't get no long-term satisfaction - an indicator for fairness in preference fulfillment on duty schedules. *Health Care Manag Sci*. 2019;22(4):691-708.
29. Blobner M, Hunter JM, Ulm K, Hollmann M. Neuromuscular monitoring and reversal: responses to the POPULAR study - Authors' reply. *Lancet Respir Med*. 2019;7(2):e7-e8.
30. Unterbuchner C, Blobner M. [Deep neuromuscular blockade : Benefits and risks]. *Anaesthesist*. 2018;67(3):165-76.
31. Schaller SJ, Nagashima M, Schonfelder M, Sasakawa T, Schulz F, Khan MAS, et al. GTS-21 attenuates loss of body mass, muscle mass, and function in rats having systemic inflammation with and without disuse atrophy. *Pflugers Arch*. 2018;470(11):1647-57.
32. Griffiths SV, Conway DH, Investigators P-C, Sander M, Jammer I, Grocott MPW, et al. What are the optimum components in a care bundle aimed at reducing post-operative pulmonary complications in high-risk patients? *Perioper Med (Lond)*. 2018;7:7.
33. Unterbuchner C, Blobner M, Puhlinger F, Janda M, Bischoff S, Bein B, et al. Development of an algorithm using clinical tests to avoid post-operative residual neuromuscular block. *BMC Anesthesiol*. 2017;17(1):101.
34. Schmid S, Jungwirth B, Gehlert V, Blobner M, Schneider G, Kratzer S, et al. Intracerebroventricular injection of beta-amyloid in mice is associated with long-term cognitive impairment in the modified hole-board test. *Behavioural brain research*. 2017;324:15-20.
35. Schaller SJ, Alam SM, Mao J, Zhao Y, Blobner M, Greenblatt DJ, et al. Pharmacokinetics cannot explain the increased effective dose requirement for morphine and midazolam in rats during their extended administration alone or in combination. *J Pharm Pharmacol*. 2017;69(1):82-8.
36. Rosenberg J, Herring WJ, Blobner M, Mulier JP, Rahe-Meyer N, Woo T, et al. Deep neuromuscular blockade improves laparoscopic surgical conditions: a randomized, controlled study. *Adv Ther*. 2017;34(4):925-36.
37. Kramer C, Zoubaa S, Kretschmer A, Jordan D, Blobner M, Fink H. Denervation versus pre- and postsynaptic muscle immobilization: Effects On acetylcholine- and muscle-specific tyrosine kinase receptors. *Muscle Nerve*. 2017;55(1):101-8.
38. Irl H, Kratzer S, Schwerin S, Kochs E, Blobner M, Schneider G, et al. Tranexamic acid impairs hippocampal synaptic transmission mediated by gamma aminobutyric acid receptor type A. *Eur J Pharmacol*. 2017;815:49-55.
39. Herring WJ, Woo T, Assaid CA, Lupinacci RJ, Lemmens HJ, Blobner M, et al. Sugammadex efficacy for reversal of rocuronium- and vecuronium-induced neuromuscular blockade: A pooled analysis of 26 studies. *J Clin Anesth*. 2017;41:84-91.
40. Blobner M, Ulm K, Hunter JM. Readmission after surgery: are neuromuscular blocking drugs a cause? *Br J Anaesth*. 2017;119(4):557-60.
41. Anetsberger A, Blobner M, Haller B, Schmid S, Umgelter K, Hager T, et al. Immature platelets as a novel biomarker for adverse cardiovascular events in patients after non-cardiac surgery. *Thromb Haemost*. 2017;117(10):1887-95.
42. Umgelter K, Landscheidt J, Jager K, Blobner M, Kochs E. [Pre-operative documentation of individual in-patient therapy goals : A medical staff questionnaire]. *Anaesthesist*. 2016;65(7):499-506.
43. Umgelter K, Anetsberger A, Blobner M, Kochs E. [Preoperative patient-oriented advance planning of emergency and intensive care treatment--Necessary or imposition? : Questionnaire survey]. *Anaesthesist*. 2016;65(2):107-14.

44. Stauble CG, Helming M, Martyn JA, Blobner M, Fink H. Neuromuscular Recovery Is Prolonged After Immobilization or Superimposition of Inflammation With Immobilization Compared to Inflammation Alone: Data From a Preclinical Model. *Crit Care Med.* 2016;44(11):e1097-e110.
45. Schmid S, Kapfer B, Heim M, Bogdanski R, Anetsberger A, Blobner M, et al. Algorithm-guided goal-directed haemodynamic therapy does not improve renal function after major abdominal surgery compared to good standard clinical care: a prospective randomised trial. *Crit Care.* 2016;20:50.
46. Schaller SJ, Stauble CG, Suemasa M, Heim M, Duarte IM, Mensch O, et al. The German Validation Study of the Surgical Intensive Care Unit Optimal Mobility Score. *J Crit Care.* 2016;32:201-6.
47. Schaller SJ, Anstey M, Blobner M, Edrich T, Grabitz SD, Gradwohl-Matis I, et al. Early, goal-directed mobilisation in the surgical intensive care unit: a randomised controlled trial. *Lancet.* 2016;388(10052):1377-88.
48. Kaufhold N, Schaller SJ, Stauble CG, Baumüller E, Ulm K, Blobner M, et al. Sugammadex and neostigmine dose-finding study for reversal of residual neuromuscular block at a train-of-four ratio of 0.2 (SUNDRO20) dagger. *Br J Anaesth.* 2016;116(2):233-40.
49. Fugener A, Edenharter GM, Kiefer P, Mayr U, Schiele J, Steiner F, et al. Improving Intensive Care Unit and Ward Utilization by Adapting Master Surgery Schedules. *A A Case Rep.* 2016;6(6):172-80.
50. Fagerlund MJ, Fink H, Baumüller E, Ulm K, Hollmann MW, Meistelman C, et al. Postanaesthesia pulmonary complications after use of muscle relaxants in Europe: Study protocol of the POPULAR study. *Eur J Anaesthesiol.* 2016;33(5):381-3.
51. Umgelter KS, Tobiasch M, Anetsberger A, Blobner M, Thorban S, Umgelter A. Donor organ distribution according to urgency of need or outcome maximization in liver transplantation. A questionnaire survey among patients and medical staff. *Transpl Int.* 2015;28(4):448-54.
52. Stauble CG, Stauble RB, Schaller SJ, Unterbuchner C, Fink H, Blobner M. Effects of single-shot and steady-state propofol anaesthesia on rocuronium dose-response relationship: a randomised trial. *Acta Anaesthesiol Scand.* 2015;59(7):902-11.
53. Picardi S, Lirk P, Blobner M, Schönherr ME, Hollmann MW. [Adjuvants in modern anesthesia - magnesium]. *Anesthesiol Intensivmed Notfallmed Schmerzther.* 2015;50(6):380-7.
54. Haerter F, Simons JC, Foerster U, Moreno Duarte I, Diaz-Gil D, Ganapati S, et al. Comparative Effectiveness of Calabadiol and Sugammadex to Reverse Non-depolarizing Neuromuscular-blocking Agents. *Anesthesiology.* 2015;123(6):1337-49.
55. Blobner M, Frick CG, Stauble RB, Feussner H, Schaller SJ, Unterbuchner C, et al. Neuromuscular blockade improves surgical conditions (NISCO). *Surg Endosc.* 2015;29(3):627-36.
56. Baumüller E, Schaller SJ, Chiquito Lama Y, Frick CG, Bauhofer T, Eikermann M, et al. Postoperative impairment of motor function at train-of-four ratio ≥ 0.9 cannot be improved by sugammadex (1 mg kg⁻¹). *Br J Anaesth.* 2015;114(5):785-93.
57. Anetsberger A, Blobner M, Krautheim V, Umgelter K, Schmid S, Jungwirth B. Self-Reported, Structured Measures of Recovery to Detect Postoperative Morbidity. *PLoS One.* 2015;10(7):e0133871.
58. Unterbuchner C, Fink H, Berthele A, Blobner M. Case scenario: residual curarization in diabetic polyneuropathy. *Anesthesiology.* 2014;120(2):474-9.
59. Umgelter K, Anetsberger A, Schmid S, Kochs E, Jungwirth B, Blobner M. [Survey on the need for information during the preanesthesia visit]. *Anaesthesist.* 2014;63(10):753-9.
60. Ripke F, Fink H, Blobner M. Concepts for the avoidance of residual neuromuscular blockades after the administration of nondepolarizing muscle relaxants. *Anesthesiologie & Intensivmedizin.* 2014;55:564-76.

61. Rahe-Meyer N, Fennema H, Schulman S, Klimscha W, Przemec M, Blobner M, et al. Effect of reversal of neuromuscular blockade with sugammadex versus usual care on bleeding risk in a randomized study of surgical patients. *Anesthesiology*. 2014;121(5):969-77.
62. Martin J, Kagerbauer SM, Schuster T, Blobner M, Kochs EF, Landgraf R. Vasopressin and oxytocin in CSF and plasma of patients with aneurysmal subarachnoid haemorrhage. *Neuropeptides*. 2014;48(2):91-6.
63. Kramer C, Jordan D, Kretschmer A, Lehmeier V, Kellermann K, Schaller SJ, et al. Electromyographic permutation entropy quantifies diaphragmatic denervation and reinnervation. *PLoS One*. 2014;9(12):e115754.
64. Richtsfeld M, Yasuhara S, Fink H, Blobner M, Martyn JA. Prolonged administration of pyridostigmine impairs neuromuscular function with and without down-regulation of acetylcholine receptors. *Anesthesiology*. 2013;119(2):412-21.
65. Meyer MJ, Stanislaus AB, Lee J, Waak K, Ryan C, Saxena R, et al. Surgical Intensive Care Unit Optimal Mobilisation Score (SOMS) trial: a protocol for an international, multicentre, randomised controlled trial focused on goal-directed early mobilisation of surgical ICU patients. *BMJ Open*. 2013;3(8):e003262.
66. Martin J, Blobner M, Busch R, Moser N, Kochs E, Luppä PB. Point-of-care testing on admission to the intensive care unit: lactate and glucose independently predict mortality. *Clin Chem Lab Med*. 2013;51(2):405-12.
67. Kellermann K, Gordan LM, Blobner M, Luppä P, Kochs EF, Jungwirth B. Functional outcome in female rats after 45 minutes of deep hypothermic circulatory arrest: gender matters. *Thorac Cardiovasc Surg*. 2013;61(1):52-65.
68. Kagerbauer SM, Martin J, Schuster T, Blobner M, Kochs EF, Landgraf R. Plasma oxytocin and vasopressin do not predict neuropeptide concentrations in human cerebrospinal fluid. *J Neuroendocrinol*. 2013;25(7):668-73.
69. Haseneder R, Starker L, Berkmann J, Kellermann K, Jungwirth B, Blobner M, et al. Sevoflurane anesthesia improves cognitive performance in mice, but does not influence in vitro long-term potentiation in hippocampus CA1 stratum radiatum. *PLoS One*. 2013;8(5):e64732.
70. Eckel B, Ohl F, Starker L, Rammes G, Bogdanski R, Kochs E, et al. Effects of isoflurane-induced anaesthesia on cognitive performance in a mouse model of Alzheimer's disease: A randomised trial in transgenic APP23 mice. *Eur J Anaesthesiol*. 2013;30(10):605-11.
71. Tirotta CF, Brandom B, Siddiqui MS, Ehlers M, Betzel J, Chen J-Y, et al. Time course of rocuronium-induced neuromuscular blockade in pediatric patients: a phase III, randomized, dose-response study. *Journal of Anesthesia & Clinical Research*. 2012;3(2).
72. Gordan ML, Jungwirth B, Ohl F, Kellermann K, Kochs EF, Blobner M. Evaluation of neurobehavioral deficits following different severities of cerebral ischemia in rats: a comparison between the modified hole board test and the Morris water maze test. *Behavioural brain research*. 2012;235(1):7-20.
73. Frick CG, Fink H, Blobner M, Martyn J. A single injection of botulinum toxin decreases the margin of safety of neurotransmission at local and distant sites. *Anesth Analg*. 2012;114(1):102-9.
74. Frick CG, Blobner M, Martyn JAJ. In Response. *Anesthesia & Analgesia*. 2012;115(3):736-7.
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