

Curriculum vitae

Name Priv. Doz. Dr. med. Ana Kowark (born Stevanovic)
Business address Department of Anaesthesiology, University Hospital Aachen
Pauwelsstr. 30, 52074 Aachen, Germany
Phone: +49-241-8035766
E-mail: akowark@ukaachen.de
Born 02.05.1979, Belgrade, Serbia
Nationality German
Languages German, English, Serbian

Academic Studies

1997 - 2003 Medical School RWTH Aachen, Germany
12 / 2003 German State Medical Exam and German Licence to Practice Medicine
26.03.2009 Doctorate in Medicine at the RWTH Aachen
“Xenon modulates neutrophil adhesion molecule expression in vitro.”
05 / 2020 Venia legendi in the field of Anaesthesiology and Intensive Care
„Perioperative strategies to improve patient outcome - an approach based on evidence-based medicine“

Professional Life

01/2004 - 04/2009 Specialist Training
Department of Anaesthesiology, University Hospital Aachen, Germany
Since 04/2009 Specialist Anaesthesiologist
Department of Anaesthesiology, University Hospital Aachen, Germany
Since 01/2016 Consultant
Department of Anaesthesiology, University Hospital Aachen, Germany
04/2009 Board certification: Anaesthesiology
01/2007 - 03/2008
and 06/2009 - 07/2010 Specialist Training
Department of Operative Intensive Care, University Hospital Aachen, Germany
06/2011 Board certification: Intensive Care Medicine

Research Appointments

Since 2012 Project manager of the Clinical Research Group
Department of Anaesthesiology, University Hospital Aachen, Germany

- Perioperative management of elderly
- National and multicentre studies for outcome improvement
- Xenon anaesthesia

Special Training

Since 10/2005 Diving medicine physician

Since 2008 License for Emergency Medicine

Memberships

Since 2015 Member of the German scientific committee "Neuroanaesthesia"
Since 2015 Member of the scientific group "Quality Indicators in anaesthesia" of the German Society for Anaesthesia and Intensive Medicine (DGAI)
Since 2019 Member of the Scientific Subcommittee of Geriatric Anaesthesiology of the European Society of Anaesthesiology and Intensive Care (ESAIC)
Since 2020 Member of the scientific group "Sustainability in anaesthesia" of the German Society for Anaesthesia and Intensive Medicine (DGAI)

Publication list (selection)

1. Coburn M, Schuster M, **Kowark A**. [Sustainability in anesthesiology]. *Anaesthesist*. 2020 Jul;69(7):451-452. doi: 10.1007/s00101-020-00805-7.
2. Ziemann S, Coburn M, Rossaint R, Van Waesberghe J, Bürkle H, Fries M, Henrich M, Henzler D, Iber T, Karst J, Kunitz O, Löb R, Meißner W, Meybohm P, Mierke B, Pabst F, Schaelte G, Schiff J, Soehle M, Winterhalter M, **Kowark A**. Implementation of anesthesia quality indicators in Germany: A prospective, national, multicenter quality improvement study. *Anaesthesist*. 2020 Jul 6. doi: 10.1007/s00101-020-00773-y.
3. Jauch K, **Kowark A**, Coburn M, Clusmann H, Höllig A. Randomized Controlled Trials on Intracerebral Hemorrhage: A Cross Sectional Retrospective Analysis of CONSORT Item Adherence. *Front Neurol*. 2019 Sep 20;10:991. doi: 10.3389/fneur.2019.00991. eCollection 2019.
4. **Kowark A**, Rossaint R, Keszei AP, Bischoff P, Czaplik M, Drexler B, Kienbaum P, Kretzschmar M, Rex C, Saller T, Schneider G, Soehle M, Coburn M; I-PROMOTE study group. Impact of PReOperative Midazolam on OuTcome of Elderly patients (I-PROMOTE): study protocol for a multicentre randomised controlled trial. *Trials*. 2019 Jul 15;20(1):430. doi: 10.1186/s13063-019-3512-3.
5. Schäfer P, Fahlenkamp A, Rossaint R, Coburn M, **Kowark A**. Better haemodynamic stability under xenon anaesthesia than under isoflurane anaesthesia during partial nephrectomy - a secondary analysis of a randomised controlled trial. *BMC Anesthesiol*. 2019 Jul 9;19(1):125. doi: 10.1186/s12871-019-0799-2.
6. Meybohm P, Lindau S, Treskatsch S, Francis R, Spies C, Velten M, Wittmann M, Gueresir E, Stoppe C, **Kowark A**, Coburn M et al. Liberal transfusion strategy to prevent mortality and anaemia-associated, ischaemic events in elderly non-cardiac surgical patients – the study design of the LIBERAL-Trial. *Trials*. 2019 Feb 4;20(1):101. doi: 10.1186/s13063-019-3200-3.
7. **Kowark A**, Rossaint R, Coburn M. General versus spinal anesthesia for the elderly hip fractured patient. *Curr Opin Anaesthesiol*. 2018 Dec 12. doi: 10.1097/ACO.0000000000000679.
8. **Kowark A**, Adam C, Ahrens J, Bajbouj M, Bollheimer C, et al. Improve hip fracture outcome in the elderly patient (iHOPE): a study protocol for a pragmatic, multicentre randomised controlled trial to test the efficacy of spinal versus general anaesthesia. *BMJ Open*. 2018 Oct 18;8(10):e023609.

9. X. Duan, M. Coburn, R. Rossaint, R. D. Sanders, J. V. Waesberghe and **A. Kowark**. Efficacy of perioperative dexmedetomidine on postoperative delirium: systematic review and meta-analysis with trial sequential analysis of randomised controlled trials. *BJA* 2018;XX:1-14
10. **Kowark A**, Rossaint R, Pühringer F, et al. Emergence times and airway reactions during general anaesthesia with remifentanyl and a laryngeal mask airway: A multicentre randomised controlled trial. *Eur J Anaesthesiol*. 2018 Aug;35(8):588-597.
11. Stoppe C, Averdunk L, Goetzenich A, Soppert J, Marlier A, Kraemer S, Vieten J, Coburn M, **Kowark A**, et al. The protective role of macrophage migration inhibitory factor in acute kidney injury after cardiac surgery. *Sci Transl Med*. 2018 May 16;10(441).
12. Meybohm P, Kohlhaas M, Stoppe C, et al.; **RIPHeart (Remote Ischemic Preconditioning for Heart Surgery) Study Collaborators**. RIPHeart (Remote Ischemic Preconditioning for Heart Surgery) Study: Myocardial Dysfunction, Postoperative Neurocognitive Dysfunction, and 1 Year Follow-Up. *J Am Heart Assoc*. 2018 Mar 26;7(7).
13. Coburn M, Sanders RD, Maze M, Nguyễn-Pascal ML, Rex S, Garrigues B, Carbonell JA, Garcia-Perez ML, **Stevanovic A**, et al. The hip fracture surgery in elderly patients (HIPELD) study to evaluate xenon anaesthesia for the prevention of postoperative delirium: a multicentre, randomized clinical trial. *Br J Anaesth*. 2018 Jan;120(1):127-137
14. Maas AIR, Menon DK, Adelson PD et al.; **INTBIR Participants and Investigators**. Traumatic brain injury: integrated approaches to improve prevention, clinical care, and research. *Lancet Neurol*. 2017 Dec;16(12):987-1048.
15. Hofland J, Ouattara A, Fellahi JL, et al.; **Xenon-CABG Study Group**. Effect of Xenon Anesthesia Compared to Sevoflurane and Total Intravenous Anesthesia for Coronary Artery Bypass Graft Surgery on Postoperative Cardiac Troponin Release: An International, Multicenter, Phase 3, Single-blinded, Randomized Noninferiority Trial.
16. **Stevanovic A**, Schaefer P, Coburn M, et al. Renal function following xenon anesthesia for partial nephrectomy-An explorative analysis of a randomized controlled study. *PLoS One*. 2017 Jul 18;12(7):e0181022.
17. Van Waesberghe J, **Stevanovic A**, Rossaint R, Coburn M. General vs. neuraxial anaesthesia in hip fracture patients: a systematic review and meta-analysis. *BMC Anesthesiol*. 2017 Jun 28;17(1):87.
18. **Stevanovic A**, Beckers SK, Czaplak M, et al. Telemedical support for prehospital Emergency Medical Service (TEMS trial): study protocol for a randomized controlled trial. *Trials*. 2017 Jan 26;18(1):43.
19. Sanders RD, Gaskell A, Raz A, Winders J, **Stevanovic A**, et al. Incidence of Connected Consciousness after Tracheal Intubation: A Prospective, International, Multicenter Cohort Study of the Isolated Forearm Technique. *Anesthesiology*. 2017 Feb;126(2):214-222

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