



2017

WISSENSCHAFTLICHE
PUBLIKATIONEN

Übersicht über die im Jahr 2017 im KSA erstellten wissenschaftlichen Publikationen, nach Bereichen und Fachdisziplinen gegliedert.

Das Kantonsspital Aarau ist ein Zentrumsspital mit einem klaren Fokus auf die patientenorientierte klinische Forschung. Die optimale Behandlung unserer Patientinnen und Patienten und die effiziente Gestaltung unserer klinischen Abläufe und Prozesse sind dabei genauso unser Auftrag wie die Aus- und Weiterbildung unseres ärztlichen Nachwuchses in unserer Funktion als Zentrumsspital.

Unsere Forschungsprojekte helfen, diese Ziele durch konsequente Begleitung unserer Arbeit zu erreichen. Die Forschungsschwerpunkte des KSA fokussieren auf Projekte in der klinischen Prozessforschung sowie in der Optimierung von Diagnostik und Behandlung.

Die Forschungsprojekte am KSA werden durch interne (Wissenschaftsfonds des Kantonsspitals Aarau) und externe Mittel (Schweizerischer Nationalfonds und andere Stiftungen) unterstützt. Zudem wurde der «Verein für Forschung und Innovation am KSA» initiiert, um weitere Drittmittel aus Industrie und Gesellschaft einzuwerben, damit eine unabhängige patientenorientierte Forschung am Kantonsspital Aarau gewährleistet bleiben kann.

Die Forschungsprojekte am KSA resultieren in Publikationen in nationalen und internationalen Zeitschriften, welche vor der Veröffentlichung durch Expertinnen und Experten begutachtet wurden. Auf diese Weise gewährleisten wir, dass dieses bei uns generierte Wissen und unsere Erkenntnisse Gehör finden und zum Fortschritt in der Medizin beitragen. Die über 200 KSA-Publikationen 2017 finden Sie auf den kommenden Seiten.

Bereich Medizin

Medizinische Universitätsklinik

Abteilung Allgemeine Innere und Notfallmedizin

Caviezel C, Schuetz P, Gerdes S, Gambazzi F. **Procalcitonin as preoperative marker for surgery in advanced parapneumonic empyema.** *J Thorac Dis.* 2017;9(3):734-41. Epub 2017/04/30. IF 2.4

Hensel M, Gradel L, Kutz A, Haubitz S, Huber A, Mueller B, Schuetz P, Hugle T. **Peripheral monocytosis as a predictive factor for adverse outcome in the emergency department: Survey based on a register study.** *Medicine (Baltimore).* 2017;96(28):e7404. Epub 2017/07/13. IF 1.8

Iankova I, Thompson-Leduc P, Kirson NY, Rice B, Hey J, Krause A, Schonfeld SA, DeBrase CR, Bozzette S, Schuetz P: **Efficacy and Safety of Procalcitonin Guidance in Patients With Suspected or Confirmed Sepsis: A Systematic Review and Meta-Analysis.** *Critical care medicine* 2017. IF 7.1

Kutz A, Ebrahimi F, Struja T, Greenwald J, Schuetz P, Mueller B: **Innovative transition interventions to better align healthcare needs in hospitalised medical patients.** *Swiss Medical Weekly* 2017, **147**:w14515. IF 1.7

McCluskey SM, Schuetz P, Abers MS, Bearnot B, Morales ME, Hoffman D, Patel S, Rosario L, Chiappa V, Parry BA, Callahan RT, Bond SA, Lewandowski K, Binder W, Filbin MR, Vyas JM, Mansour MK. **Serial Procalcitonin as a Predictor of Bacteremia and Need for Intensive Care Unit Care in Adults With Pneumonia, Including Those With Highest Severity: A Prospective Cohort Study.** *Open Forum Infect Dis.* 2017;4(1):ofw238. Epub 2017/05/10.

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Odermatt J, Meili M, Hersberger L, Bolliger R, Christ-Crain M, Briel M, Bucher HC, Mueller B, Schuetz P. **Pro-Adrenomedullin predicts 10-year all-cause mortality in community-dwelling patients: a prospective cohort study.** *BMC Cardiovasc Disord.* 2017;17(1):178. Epub 2017/07/06. IF 1.8

Ottiger M, Nickler M, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P. **Gut, microbiota-dependent trimethylamine-N-oxide is associated with long-term all-cause mortality in patients with exacerbated chronic obstructive pulmonary disease.** *Nutrition.* 2017. Epub 2017/09/06. IF 5.3

Sager R, Kutz A, Mueller B, Schuetz P. **Procalcitonin-guided diagnosis and antibiotic stewardship revisited.** *BMC Med.* 2017;15(1):15. Epub 2017/01/25. IF 8.1

Sager R, Wirz Y, Amin D, Amin A, Hausfater P, Huber A, Haubitz S, Kutz A, Mueller B, Schuetz P. **Are admission procalcitonin levels universal mortality predictors across different medical emergency patient populations? Results from the multi-national, prospective, observational TRIAGE study.** *Clin Chem Lab Med.* 2017. Epub 2017/04/17. IF 3.4

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Bereich Medizin

- Schuetz P, Wahl PM: **Residual confounding or lack of effect?** *Clinical infectious diseases: an official publication of the Infectious Diseases Society of America* 2017. IF 8.2
- Schuetz P, Wirz Y, Sager R, Christ-Crain M, Stolz D, Tamm M, Bouadma L, Luyt CE, Wolff M, Chastre J, Tubach F, Kristoffersen KB, Burkhardt O, Welte T, Schroeder S, Nobre V, Wei L, Bucher HC, Annane D, Reinhart K, Falsey AR, Branche A, Damas P, Nijsten M, de Lange DW, Deliberato RO, Oliveira CF, Maravic-Stojkovic V, Verduri A, Beghe B, Cao B, Shehabi Y, Jensen JS, Corti C, van Oers JAH, Beishuizen A, Girbes ARJ, de Jong E, Briel M, Mueller B. **Effect of procalcitonin-guided antibiotic treatment on mortality in acute respiratory infections: a patient level meta-analysis.** *Lancet Infect Dis.* 2017. Epub 2017/10/19. IF 19.9
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- Schuetz P. **Personalized medicine of patients with respiratory infections through the measurement of specific blood biomarkers: fact or fiction?** *Expert Rev Respir Med.* 2017;11(8):605-7. Epub 2017/06/15. IF 2.4
- Stojanovic I, Schneider JE, Wei L, Hong Z, Keane C, Schuetz P. **Economic evaluation of procalcitonin-guided antibiotic therapy in acute respiratory infections: a Chinese hospital system perspective.** *Clin Chem Lab Med.* 2017;55(4):561-70. Epub 2016/09/23. IF 3.4
- Vogeli A, Ottiger M, Meier MA, Steuer C, Bernasconi L, Huber A, Christ-Crain M, Henzen C, Hoess C, Thomann R, Zimmerli W, Mueller B, Schuetz P. **Asymmetric Dimethylarginine Predicts Long-Term Outcome in Patients with Acute Exacerbation of Chronic Obstructive Pulmonary Disease.** *Lung.* 2017. Epub 2017/08/31. IF 1.9
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Dermatologie und Allergologie

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Endokrinologie, Diabetologie und Metabolismus

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Gastroenterologie und Hepatologie

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Hämatologie und Transfusionsmedizin / Onkologie

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