

PUBLICATIONS

Full-lengths articles in peer-reviewed journals:

- Panagiotou A, Trendelenburg M., Heijnen I, Moser S, Bonati LH, Breidthardt T, Fahrni G, Kaiser C, Jeger R, **Osthoff M**. A randomized trial of recombinant human C1-esterase-inhibitor in the prevention of contrast-induced acute kidney injury. *JACC Cardiovasc Interv.* *In press*.
- Erba A, Beuret M, Daly ML, Khanna N, **Osthoff M**. **OPAT in Switzerland: single-center experience of a model to treat complicated infections.** *Infection.* 2019 Dec 11. doi: 10.1007/s15010-019-01381-8.
- Gürtler N, Erba A, Giehl C, Tschudin-Sutter S, Bassetti S, **Osthoff M**. Appropriateness of antimicrobial prescribing in a Swiss tertiary care hospital: a repeated point prevalence survey. *Swiss Med Wkly.* 2019 Oct 27;149:w20135. doi: 10.4414/smw.2019.20135.
- Wójtowicz A, Bibert S, Taffé P, Bernasconi E, Furrer H, Günthard HF, Hoffmann M, **Osthoff M**, Cavassini M, Bochud PY; Swiss HIV Cohort Study. [IL-4 polymorphism influences susceptibility to *Pneumocystis jirovecii* pneumonia in HIV-positive patients.](#) *AIDS.* 2019 Jun 18. doi: 10.1097/QAD.0000000000002283. [Epub ahead of print].
- Gürtler N, Denz A, Egli A, Widmer AF, **Osthoff M**. [Influence of a resin-based blood culture medium on the time to clearance of methicillin-susceptible *Staphylococcus aureus* bloodstream infection - A retrospective cohort study.](#) *Diagn Microbiol Infect Dis.* 2019 May 2. pii: S0732-8893(19)30083-5. doi: 10.1016/j.diagmicrobio.2019.04.010. [Epub ahead of print]
- **Osthoff M**, Jaeger VK, Heijnen IAFM, Trendelenburg M, Jordan S, Distler O, Walker UA. [Role of lectin pathway complement proteins and genetic variants in organ damage and disease severity of systemic sclerosis: a cross-sectional study.](#) *Arthritis Res Ther.* 2019 Mar 18;21(1):76. doi: 10.1186/s13075-019-1859-1.
- Seth-Smith HMB, Imkamp F, Tagini F, Cuénod A, Hömke R, Jahn K, Tschacher A, Grendelmeier P, Bättig V, Erb S, Reinhard M, Rütimann G, Borrell S, Gagneux S, Casanova C, Droz S, **Osthoff M**, Tamm M, Nübel U, Greub G, Keller PM, Egli A. [Discovery and Characterization of *Mycobacterium basilense* sp. nov., a Nontuberculous Mycobacterium Isolated From Human Lungs.](#) *Front Microbiol.* 2019 Jan 8;9:3184. doi: 10.3389/fmicb.2018.03184. eCollection 2018.
- Leuppi-Taegtmeyer AB, Decosterd L, **Osthoff M**, Mueller NJ, Buclin T, Corti N. [Multicenter Population Pharmacokinetic Study of Colistimethate Sodium and Colistin Dosed as in Normal Renal Function in Patients on Continuous Renal Replacement Therapy.](#) *Antimicrob Agents Chemother.* 2019 Jan 29;63(2). pii: e01957-18. doi: 10.1128/AAC.01957-18. Print 2019 Feb.
- Bibert S, Wójtowicz A, Taffé P, Tarr PE, Bernasconi E, Furrer H, Günthard HF, Hoffmann M, Kaiser L, **Osthoff M**, Fellay J, Cavassini M, Bochud PY; Swiss HIV Cohort Study. [Interferon lambda 3/4 polymorphisms are associated with AIDS-related Kaposi's sarcoma.](#) *AIDS.* 2018 Nov 28;32(18):2759-2765. doi: 10.1097/QAD.0000000000002004.
- **Osthoff M**, Bielicki J, Widmer AF, For Swissnoso. [Evaluation of existing and desired antimicrobial stewardship activities and strategies in Swiss hospitals.](#) *Swiss Med Wkly.* 2017 Oct 20;147:w14512. doi: 10.4414/smw.2017.14512. eCollection 2017.
- Trauer J, Muhi S, McBryde ES, Al Harbi SA, Arabi YM, Boyle AJ, Cartin-Ceba R, Chen W, Chen YT, Falcone M, Gajic O, Godsell J, Gong MN, Kor D, Lösche W, McAuley DF, O'Neal HR Jr, **Osthoff M**, Otto GP, Sossdorf M, Tsai MJ, Valerio-Rojas JC, van der Poll T, Viola F, Ware L, Widmer AF, Wiewel MA, Winning J, Eisen DP. [Quantifying the Effects of Prior Acetyl-Salicylic Acid on Sepsis-Related Deaths: An Individual Patient Data Meta-Analysis Using Propensity Matching.](#) *Crit Care Med.* 2017 Nov;45(11):1871-1879. doi: 10.1097/CCM.0000000000002654.

- **Osthoff M**, Walder B, Delhumeau C, Trendelenburg M, Turck N. [Association of Lectin Pathway Protein Levels and Genetic Variants Early after Injury with Outcomes after Severe Traumatic Brain Injury: A Prospective Cohort Study.](#) *J Neurotrauma.* 2017 Sep;34(17):2560-2566. doi: 10.1089/neu.2016.4941. Epub 2017 Jul 19.
- Temkin E, Torre-Cisneros J, Beovic B, Benito N, Giannella M, Gilarranz R, Jeremiah C, Loeches B, Machuca I, Jiménez-Martín MJ, Martínez JA, Mora-Rillo M, Navas E, **Osthoff M**, Pozo JC, Ramos Ramos JC, Rodríguez M, Sánchez-García M, Viale P, Wolff M, Carmeli Y. [Ceftazidime-Avibactam as Salvage Therapy for Infections Caused by Carbapenem-Resistant Organisms.](#) *Antimicrob Agents Chemother.* 2017 Jan 24;61(2). pii: e01964-16. doi: 10.1128/AAC.01964-16. Print 2017 Feb.
- **Osthoff M**, Gürtler N, Bassetti S, Balestra G, Marsch S, Pargger H, Weisser M, Egli A. [Impact of MALDI-TOF-MS-based identification directly from positive blood cultures on patient management: a controlled clinical trial.](#) *Clin Microbiol Infect.* 2017 Feb;23(2):78-85. doi: 10.1016/j.cmi.2016.08.009. Epub 2016 Aug 26.
- **Osthoff M**, Sidler JA, Lakatos B, Frei R, Dangel M, Weisser M, Battegay M, Widmer AF. Low-Dose Acetylsalicylic Acid Treatment and Impact on Short-Term Mortality in Staphylococcus aureus Bloodstream Infection. A Propensity Score-Matched Cohort Study. *Crit Care Med.* 2016 Apr;44(4):773-81.
- **Osthoff M**, Wojtowicz A, Tissot F, Jørgensen C, Thiel S, Zimmerli S, Marchetti O, Khanna N, Bochud PY, Trendelenburg M; Fungal Infection Network of Switzerland (FUNGINOS); Fungal Infection Network of Switzerland FUNGINOS. Association of lectin pathway proteins with intra-abdominal Candida infection in high-risk surgical intensive-care unit patients. A prospective cohort study within the fungal infection network of Switzerland. *J Infect.* 2016 Mar; 72(3):377-85.
- **Osthoff M**, Dean MM, Baird PN, Richardson AJ, Daniell M, Guymer RH, Eisen DP. Association Study of Mannose-Binding Lectin Levels and Genetic Variants in Lectin Pathway Proteins with Susceptibility to Age-Related Macular Degeneration: A Case-Control Study. *PLoS One.* 2015 Jul 4;10(7):e0134107.
- Egli A, **Osthoff M**, Goldenberger D, Halter J, Schaub S, Steiger J, Weisser M, Frei R. Matrix-assisted laser desorption/ionization time-of-flight mass spectrometry (MALDI-TOF) directly from positive blood culture flasks allows rapid identification of bloodstream infections in immunosuppressed hosts. *Transpl Infect Dis.* 2015 Jun;17(3):481-7.
- **Osthoff M**, McGuinness SL, Wagen AZ, Eisen DP. Urinary tract infections due to extended-spectrum beta-lactamase-producing Gram-negative bacteria: identification of risk factors and outcome predictors in an Australian tertiary referral hospital. *Int J Infect Dis.* 2015 May;34:79-83.
- **Osthoff M**, Ngian GS, Dean MM, Nikpour M, Stevens W, Proudman S, Eisen DP, Sahhar J. Potential role of the lectin pathway of complement in the pathogenesis and disease manifestations of systemic sclerosis: a case-control and cohort study. *Arthritis Res Ther.* 2014 Nov 18;16(6):480.
- Bibert S, Wojtowicz A, Taffé P, Manuel O, Bernasconi E, Furrer H, Günthard HF, Hoffmann M, Kaiser L, **Osthoff M**, Cavassini M, Bochud PY; Swiss HIV Cohort Study. The IFNL3/4 ΔG variant increases susceptibility to cytomegalovirus retinitis among HIV-infected patients. *AIDS.* 2014 Aug 24;28(13):1885-9.
- **Osthoff M**, Irungu E, Ngure K, Mugo N, Thomas KK, Baeten JM, Eisen DP. Mannose-binding lectin and ficolin-2 do not influence humoral immune response to hepatitis B vaccine. *Vaccine.* 2014 Aug 20;32(37):4772-7.
- **Osthoff M**, Brown KD, Kong DC, Daniell M, Eisen DP. Activation of the lectin pathway of complement in experimental human keratitis with *Pseudomonas aeruginosa*. *Mol Vis.* 2014 Jan 6;20:38-45.

- **Osthoff M**, Au Yong HM, Dean MM, Eisen DP. Significance of mannose-binding lectin deficiency and nucleotide-binding oligomerization domain 2 polymorphisms in staphylococcus aureus bloodstream infections: a case-control study. *PLoS One*. 2013 Sep 27;8(9):e76218.
- Egli A, Schäfer J, **Osthoff M**, et al Low Levels of Mannan-Binding Lectin or Ficolins Are Not Associated with an Increased Risk of Cytomegalovirus Disease in HIV-Infected Patients.. *PLoS One*. 2013;8(1):e51983.
- **Osthoff M**, Piezzi V, Klima T, Christ A, Marana I, Hartwiger S, Breidhardt T, Marenzi G, Trendelenburg M, Mueller C. Impact of mannose-binding lectin deficiency on radiocontrast-induced renal dysfunction: a post-hoc analysis of a multicenter randomized controlled trial. *BMC Nephrol*. 2012 Sep 3;13:99.
- Vanhecke D, Roumenina LT, Wan H, **Osthoff M**, Schaller M, Trendelenburg M. Identification of a major linear C1q epitope allows detection of systemic lupus erythematosus anti-C1q antibodies by a specific peptide-based assay. *Arthritis Rheum*. 2012 Nov;64(11):3706-14.
- **Osthoff M**, Katan M, Fluri F, Schuetz P, Bingisser R, Kappos L, Steck AJ, Engelter ST, Mueller B, Christ-Crain M, Trendelenburg M. Association of mannose-binding lectin deficiency with infarction size and functional outcome after ischemic stroke. *PLoS One*. 2011;6(6):e21338.
- **Osthoff M**, Rovó A, Stern M, Danner D, Gratwohl A, Tichelli A, Trendelenburg M. Mannose-binding lectin levels and major infections in a cohort of very long-term survivors after allogeneic stem cell transplantation. *Haematologica*. 2010 Aug;95(8):1389-96.
- Bigler C, Schaller M, Perahud I, **Osthoff M**, Trendelenburg M. Autoantibodies against complement C1q specifically target C1q bound on early apoptotic cells. *J Immunol*. 2009 Sep 1;183(5):3512-21. *Epub* 2009 Jul 31.

Reviews and letters to the editor in peer-reviewed journals:

- Panagiotou A, Trendelenburg M, **Osthoff M**. [The Lectin Pathway of Complement in Myocardial Ischemia/Reperfusion Injury-Review of Its Significance and the Potential Impact of Therapeutic Interference by C1 Esterase Inhibitor](#). *Front Immunol*. 2018 May 25;9:1151. doi: 10.3389/fimmu.2018.01151. eCollection 2018. Review.
- **Osthoff M**, Khanna N, Siegemund M. [The EMPIRICUS trial-the final nail in the coffin of empirical antifungal therapy in the intensive care unit?](#) *J Thorac Dis*. 2017 Mar;9(3):E269-E273. doi: 10.21037/jtd.2017.02.78.
- **Osthoff M**, Bättig V, Khanna N. [Isavuconazol](#). *Ther Umsch*. 2016;73(8):475-481. Review.
- **Osthoff M**, Siegemund M, Balestra G, Abdul-Aziz MH, Roberts JA. [Prolonged administration of \$\beta\$ -lactam antibiotics - a comprehensive review and critical appraisal](#). *Swiss Med Wkly*. 2016 Oct 10;146:w14368. doi: 10.4414/smw.2016.14368. eCollection 2016. Review.
- **Osthoff M**, Sidler JA, Widmer AF. [The authors reply](#). *Crit Care Med*. 2016 Aug;44(8):e774-5. doi: 10.1097/CCM.0000000000001897.
- **Osthoff M**, Erb S. Neuraminidase Inhibitors and Influenza Infection. *JAMA Intern Med*. 2016 Mar 1;176(3):415. Correspondence letter
- **Osthoff M**, Khanna N, Goldenberger D, Wüscher V, Flückiger U. Positive Blutkulturen: Interpretation und initiales Management. *Swiss Medical Forum*. 2016;16(3):59-67. Review.
- **Osthoff M**, Trendelenburg M. Impact of mannose-binding lectin deficiency on radiocontrast-induced renal dysfunction. *Biomed Res Int*. 2013;2013:962695. Review.

- **Osthoff M**, Eisen DP. Procalcitonin as a diagnostic marker for sepsis. *Lancet Infect Dis.* 2013 Dec;13(12):1013-4. Letter to the editor.
- Eisen DP, **Osthoff M**. If there is an evolutionary selection pressure for the high frequency of MBL2 polymorphisms what is it? *Clin Exp Immunol.* 2013 Nov 21. Review.
- **Osthoff M**, Trendelenburg G, Eisen DP, Trendelenburg M. Mannose-binding lectin-the forgotten molecule? *Nat Med.* 2011 Dec 6;17(12):1547-8. Letter to the editor.

Case reports:

- Schunemann MJ, Vosbeck J, Antwi K, Bassetti S, **Osthoff M**. Wither away: Weight loss and persistent inflammation in a woman with Whipple's disease. *Am J Med.* 2019 Oct 31. pii: S0002-9343(19)30884-8. doi: 10.1016/j.amjmed.2019.08.058.
- Diebold M, Kuster S, **Osthoff M**. [Reversible Hippocratic Fingers in a Patient with Pneumonia.](#) *Am J Med.* 2019 Jul 24. pii: S0002-9343(19)30591-1. doi: 10.1016/j.amjmed.2019.07.010.
- Gürtler N, **Osthoff M**, Rueter F, Wüthrich D, Zimmerli L, Egli A, Bassetti S. [Prosthetic valve endocarditis caused by Pseudomonas aeruginosa with variable antibacterial resistance profiles: a diagnostic challenge.](#) *BMC Infect Dis.* 2019 Jun 17;19(1):530. doi: 10.1186/s12879-019-4164-3.
- Thoma R, Häuptle P, Degen L, Bassetti S, **Osthoff M**. [Escherichia coli bloodstream infection preceding the diagnosis of rectal carcinoma.](#) *Oxf Med Case Reports.* 2018 Oct 17;2018(11):omy084. doi: 10.1093/omcr/omy084. eCollection 2018 Nov.
- Gürtler N, Hirt-Minkowski P, Brunner SS, König K, Glatz K, Reichenstein D, Bassetti S, **Osthoff M**. [Sodium Polystyrene Sulfonate and Cytomegalovirus-Associated Hemorrhagic Duodenitis: More than Meets the Eye.](#) *Am J Case Rep.* 2018 Aug 3;19:912-916. doi: 10.12659/AJCR.910655.
- Schibli A, Goldenberger D, Krieg A, Hirschmann A, Bruder E, **Osthoff M**. [Painless swelling of the forefoot and recurrent subcutaneous abscesses of the lower leg-Two distinct presentations illustrating the spectrum of eumycetoma in a nonendemic country.](#) *PLoS Negl Trop Dis.* 2017 Apr 13;11(4):e0005360. doi: 10.1371/journal.pntd.0005360. eCollection 2017 Apr.
- Banderet F, Blaich A, Soleman E, Gaia V, **Osthoff M**. [Septic arthritis due to Legionella cincinnatiensis: case report and review of the literature.](#) *Infection.* 2017 Aug;45(4):551-555. doi: 10.1007/s15010-016-0964-1. Epub 2016 Nov 15. Review.
- **Osthoff M**, Schibli A, Fadini D, Lardelli P, Goldenberger D. Louse-borne relapsing fever - report of four cases in Switzerland, June-December 2015. *BMC Infect Dis.* 2016 May 17;16(1):210.
- Goldenberger D, Claas GJ, Bloch-Infanger C, Bredthardt T, Suter B, Martinez M, Neumayr A, Blaich A, Egli A, **Osthoff M**. Louse-borne relapsing fever (*Borrelia recurrentis*) in an Eritrean refugee arriving in Switzerland, August 2015. *Euro Surveill.* 2015 Aug 13;20(32).
- **Osthoff M**, Egli A, Schürch N, Leib S, Mihatsch F, Frei R. Ein nicht alltägliches türkisches Souvenir. *Swiss Medical Forum.* 2015;15(25):611-613.
- Pickel S, Filipowicz M, Bruder E, Battagay M, **Osthoff M**. 54-jähriger Mann mit Gewichtsverlust und chronischer Diarrhoe bei HIV-Infektion. *Internist. Internist (Berl).* 2015 Jan;56(1):80-3.
- **Osthoff M**, Chew E, Bajel A, Kelsey G, Panek-Hudson Y, Mason K, Szer J, Ritchie D, Slavin M. Disseminated toxoplasmosis after allogeneic stem cell transplantation in a seronegative recipient. *Transpl Infect Dis.* 2013 Feb;15(1):E14-9