

Other recent publications (2015-date):

Ehren K, Meißner A, Jazmati N, Wille J, Jung N, Vehreschild JJ, Hellmich M, Seifert H. Clinical impact of rapid species identification from positive blood cultures with same-day phenotypic antimicrobial susceptibility testing on the management and outcome of bloodstream infections. *Clin Infect Dis*. 2019 May 16. [Epub ahead of print]

Idelevich EA, Seifert H, Sundqvist M, Scudeller L, Amit S, Balode A, Bilozor A, Drevinek P, Tufan ZK, Koraqi A, Lamy B, Mareković I, Miciuleviciene J, Premru MM, Pascual A, Pournaras S, Saegeman V, Schønheyder HC, Schrenzel J, Strateva T, Tilley R, Wiersinga WJ, Zabicka D, Carmeli Y, Becker K; ESCMID Study Group for Bloodstream Infections, Endocarditis and Sepsis (ESGBIES). Microbiological diagnostics of bloodstream infections in Europe - An ESGBIES survey. *Clin Microbiol Infect*. 2019; 25:1399-1407.

Willmann M, Vehreschild MJGT, Biehl LM, Vogel W, Dörfel D, Hamprecht A, Seifert H, Autenrieth IB, Peter S. Distinct impact of antibiotics on the gut microbiome and resistome: a longitudinal multicenter cohort study. *BMC Biol*. 2019; 17(1):76.

Falgenhauer J, Imirzalioglu C, Falgenhauer L, Yao Y, Hauri AM, Erath B, Schwengers O, Goesmann A, Seifert H, Chakraborty T, Dojjad S. Whole-Genome Sequences of Clinical *Enterobacter bugandensis* Isolates from Germany. *Microbiol Resour Announc*. 2019; 8(29).

Dimitriou V, Biehl LM, Hamprecht A, Vogel W, Dörfel D, Peter S, Schafhausen P, Rohde H, von Lilienfeld-Toal M, Klassert TE, Slickers P, Ehricht R, Slevogt H, Christ H, Hellmich M, Farowski F, Tsakmaklis A, Higgins PG, Seifert H, Vehreschild MJGT. Controlling intestinal colonization of high-risk haematology patients with ESBL-producing Enterobacteriaceae: a randomized, placebo-controlled, multicentre, Phase II trial (CLEAR). *J Antimicrob Chemother*. 2019; 74:2065-2074.

Biehl LM, Higgins P, Wille T, Peter K, Hamprecht A, Peter S, Dörfel D, Vogel W, Häfner H, Lemmen S, Panse J, Rohde H, Klupp EM, Schafhausen P, Imirzalioglu C, Falgenhauer L, Salmanton-García J, Stecher M, Vehreschild JJ, Seifert H, Vehreschild MJGT. Impact of single room contact precautions on hospital-acquisition and transmission of multidrug-resistant *Escherichia*

coli: a prospective multicentre cohort-study in haematological and oncological wards. *Clin Microbiol Infect.* 2019; 25:1013-1020.

Rossen JWA, Dombrecht J, Vanfleteren D, De Bruyne K, van Belkum A, Rosema S, Lokate M, Bathoorn E, Reuter S, Grundmann H, Ertel J, Higgins PG, Seifert H. Epidemiological typing of *Serratia marcescens* by whole genome multi-locus sequence typing. *J Clin Microbiol.* 2019; 57. pii: e01652-18.

Rohde AM, Zweigner J, Wiese-Posselt M, Schwab F, Behnke M, Kola A, Obermann B, Knobloch JK, Feihl S, Querbach C, Gebhardt F, Mischnik A, Ihle V, Schröder W, Armean S, Peter S, Tacconelli E, Hamprecht A, Seifert H, Vehreschild MJGT, Kern WV, Gastmeier P; DZIF-ATHOS study group. Incidence of infections due to third generation cephalosporin-resistant Enterobacteriaceae - a prospective multicenter cohort study in six German university hospitals. *Antimicrob Resist Infect Control.* 2018; 7:159.

Seifert H, Blondeau J, Dowzicky MJ. In vitro activity of tigecycline and comparators (2014-2016) among key WHO 'priority pathogens' and longitudinal assessment (2004-2016) of antimicrobial resistance - a report from the T.E.S.T. study. *Int J Antimicrob Agents.* 2018; 52:474-484.

Rohde AM, Wiese-Posselt M, Zweigner J, Schwab F, Mischnik A, Seifert H, Gastmeier P, Kern WV; DZIF-ATHOS Study Group. High admission prevalence of fluoroquinolone resistance in third-generation cephalosporin-resistant Enterobacteriaceae in German university hospitals. *J Antimicrob Chemother.* 2018; 73:1688-1691

Seifert H, Körber-Irrgang B, Kresken M; German Ceftolozane/Tazobactam Study Group. In-vitro activity of ceftolozane/tazobactam against *Pseudomonas aeruginosa* and Enterobacteriaceae isolates recovered from hospitalized patients in Germany. *Int J Antimicrob Agents.* 2018; 51:227-234.

Harris PN, McNamara JF, Lye DC, Davis JS, Bernard L, Cheng AC, Doi Y, Fowler VG Jr, Kaye KS, Leibovici L, Lipman J, Llewelyn MJ, Munoz-Price S, Paul M, Peleg AY, Rodríguez-Baño J, Rogers BA, Seifert H, Thamlikitkul V, Thwaites G, Tong SY, Turnidge J, Utili R, Webb SA, Paterson DL. Proposed primary endpoints for use in clinical trials that compare treatment options for

bloodstream infection in adults: a consensus definition. *Clin Microbiol Infect.* 2017; 23:533-541.

Mischnik A, Baumert P, Hamprecht A, Rohde AM, Peter S, Feihl S, Knobloch J, Gölz H, Kola A, Obermann B, Querbach C, Willmann M, Gebhardt F, Tacconelli E, Gastmeier P, Seifert H, Kern WV; DZIF-ATHOS Study Group. In vitro susceptibility to 19 agents other than β -lactams among third-generation cephalosporin-resistant Enterobacteriaceae recovered on hospital admission. *J Antimicrob Chemother.* 2017; 72:1359-1363.

Grundmann H, Glasner C, Albiger B, Aanensen DM, Tomlinson CT, Andrasević AT, Cantón R, Carmeli Y, Friedrich AW, Giske CG, Glupczynski Y, Gniadkowski M, Livermore DM, Nordmann P, Poirel L, Rossolini GM, Seifert H, Vatopoulos A, Walsh T, Woodford N, Monnet DL; European Survey of Carbapenemase-Producing Enterobacteriaceae (EuSCAPE) Working Group. Occurrence of carbapenemase-producing *Klebsiella pneumoniae* and *Escherichia coli* in the European survey of carbapenemase-producing Enterobacteriaceae (EuSCAPE): a prospective, multinational study. *Lancet Infect Dis.* 2017; 17:153-163.

Mischnik A, Baumert P, Hamprecht A, Rohde A, Peter S, Feihl S, Knobloch J, Gölz H, Kola A, Obermann B, Querbach C, Willmann M, Gebhardt F, Tacconelli E, Gastmeier P, Seifert H, Kern WV; DZIF-ATHOS Study Group. Susceptibility to cephalosporin combinations and aztreonam/avibactam among third-generation cephalosporin-resistant Enterobacteriaceae recovered on hospital admission. *Int J Antimicrob Agents.* 2017; 49:239-242.

Mischnik A, Baumert P, Hamprecht A, Rohde A, Peter S, Feihl S, Knobloch J, Gölz H, Kola A, Obermann B, Querbach C, Willmann M, Gebhardt F, Tacconelli E, Gastmeier P, Seifert H, Kern WV; DZIF-ATHOS Study Group. Susceptibility to penicillin derivatives among third-generation cephalosporin-resistant Enterobacteriaceae recovered on hospital admission. *Diagn Microbiol Infect Dis.* 2017; 87:71-73.

Hamprecht A, Rohde AM, Behnke M, Feihl S, Gastmeier P, Gebhardt F, Kern WV, Knobloch JK, Mischnik A, Obermann B, Querbach C, Peter S, Schneider C, Schröder W, Schwab F, Tacconelli E, Wiese-Posselt M, Wille T, Willmann M, Seifert H, Zweigner J; DZIF-ATHOS Study Group. Colonization with third-generation cephalosporin-resistant Enterobacteriaceae on hospital

admission: prevalence and risk factors. *J Antimicrob Chemother.* 2016; 71:2957-2963.

Falgenhauer L, Waezsada SE, Gwozdziński K, Ghosh H, Doijad S, Bunk B, Spröer C, Imirzalioglu C, Seifert H, Irrgang A, Fischer J, Guerra B, Käsbohrer A, Overmann J, Goesmann A, Chakraborty T. Chromosomal locations of *mcr-1* and *bla*(CTX-M-15) in fluoroquinolone-resistant *Escherichia coli* ST410. *Emerg Infect Dis.* 2016; 22: 1689-1691.

Falgenhauer L, Imirzalioglu C, Ghosh H, Gwozdziński K, Schmiedel J, Gentil K, Bauerfeind R, Kämpfer P, Seifert H, Michael GB, Schwarz S, Pfeifer Y, Werner G, Pietsch M, Roesler U, Guerra B, Fischer J, Sharp H, Käsbohrer A, Goesmann A, Hille K, Kreienbrock L, Chakraborty T. Circulation of clonal populations of fluoroquinolone-resistant CTX-M-15-producing *Escherichia coli* ST410 in humans and animals in Germany. *Int J Antimicrob Agents.* 2016; 47:457-465.

Higgins PG, Koehler D, Chan JZ, Cornely OA, Fätkenheuer G, Gillis M, Pallen MJ, Tien J, Seifert H, Vehreschild MJ, Millard AD. Draft genome sequences of nine clinical isolates of vancomycin-resistant enterococci. *Genome Announc.* 2016; 4: e00803-16.

Kresken M, Körber-Irrgang B, Biedenbach DJ, Batista N, Besard V, Cantón R, García-Castillo M, Kalka-Moll W, Pascual A, Schwarz R, Van Meensel B, Wisplinghoff H, Seifert H. Comparative in vitro activity of oral antimicrobial agents against Enterobacteriaceae from patients with community-acquired urinary tract infections in three European countries. *Clin Microbiol Infect.* 2016; 22:63.e1-5.

Albiger B, Glasner C, Struelens MJ, Grundmann H, Monnet DL; European Survey of Carbapenemase-Producing Enterobacteriaceae (EuSCAPE) working group. Carbapenemase-producing Enterobacteriaceae in Europe: assessment by national experts from 38 countries, May 2015. *Euro Surveill.* 2015; 20(45).

Testa R, Cantón R, Giani T, Morosini MI, Nichols WW, Seifert H, Stefanik D, Rossolini GM, Nordmann P. In vitro activity of ceftazidime, ceftaroline and aztreonam alone and in combination with avibactam against European Gram-

negative and Gram-positive clinical isolates. *Int J Antimicrob Agents*. 2015; 45:641-646.