

Publications

Ascone L, Rohenkohl AC, Hurlermann R, Meisenzahl E, Riedel-Heller SG, Becker T, Bajbouj M, von Lilienfeld-Toal M, Gallinat J, Lambert M (2023) [Assessment of direct (COVID-19-Related) and collateral, psychosocial pandemic consequences for vulnerable groups by the example of serious mental illness]. *Psychiatr Prax* 50(7), 381-388.

Cesaro S, Mikulska M, Hirsch HH, Styczynski J, Meylan S, Cordonnier C, Navarro D, von Lilienfeld-Toal M, Mehra V, Marchesi F, Besson C, Masculano RC, Beutel G, Einsele H, Maertens J, de la Camara R, Ljungman P, Pagano L (2023) Update of recommendations for the management of COVID-19 in patients with haematological malignancies, haematopoietic cell transplantation and CAR T therapy, from the 2022 European Conference on Infections in Leukaemia (ECIL 9). *Leukemia* 37(9), 1933-1938.

Giesen N, Busch E, Schalk E, Beutel G, Rührich MM, Hentrich M, Hertenstein B, Hirsch HH, Karthaus M, Khodamoradi Y, Koehler P, Krüger W, Koldehoff M, Krause R, Mellinghoff SC, Penack O, Sandherr M, Seggewiss-Bernhardt R, Spiekermann K, Sprute R, Stemler J, Weissinger F, Wörmann B, Wolf HH, Cornely OA, Rieger CT, von Lilienfeld-Toal M (2023) AGIHO guideline on evidence-based management of COVID-19 in cancer patients: 2022 update on vaccination, pharmacological prophylaxis and therapy in light of the omicron variants. *Eur J Cancer* 181, 102-118. (Review)

Goldmann M^{*}, Schmidt F^{*}, Cseresnyés Z, Orasch T, Jahreis S, Hartung S, Figge MT, von Lilienfeld-Toal M, Heinekamp T, Brakhage AA[#] (2023) The lipid raft-associated protein stomatin is required for accumulation of dectin-1 in the phagosomal membrane and for full activity of macrophages against *Aspergillus fumigatus*. *mSphere* 8(1), e00523-22.

Steinbeis F, Thibeault C, Steinbrecher S, Ahlgrimm Y, Haack IA, August D, Balzuweit B, Bellinghausen C, Berger S, Chaplinskaya-Sobol I, Cornely O, Doeblin P, Endres M, Fink C, Finke C, Frank S, Hanß S, Hartung T, Hellmuth JC, Herold S, Heuschmann P, Heyckendorf J, Heyder R, Hippenstiel S, Hoffmann W, Kelle SU, Knape P, Koehler P, Kretzler L, Leistner DM, Lienau J, Lorbeer R, Lorenz-Depiereux B, Lüttke CD, Mai K, Merle U, Meyer-Arndt LA, Miljukov O, Muenchhoff M, Müller-Plathe M, Neuhaus J, Neuhauser H, Nieters A, Otte C, Pape D, Pinto RM, Pley C, Pudszuhn A, Reuken P, Rieg S, Ritter P, Rohde G, Rönnefarth M, Ruzicka M, Schaller J, Schmidt A, Schmidt S, Schwachmeyer V, Schwanitz G, Seeger W, Stahl D, Stobäus N, Stubbe HC, Suttorp N, Temmesfeld B, Thun S, Triller P, Trinkmann F, Vadasz I, Valentin H, Vehreschild M, von Kalle C, von Lilienfeld-Toal M, Weber J, Welte T, Wildberg C, Wizimirski R, Zvork S, Sander LE, Vehreschild J, Zoller T, Kurth F, Witzernath M (2023) Analysis of acute COVID-19 including chronic morbidity: protocol for the deep phenotyping National Pandemic Cohort Network in Germany (NAPKON-HAP). *Infection* 52(1), 93-104.

Fendler A, de Vries EGE, GeurtsvanKessel CH, Haanen JB, Wörmann B, Turajlic S, von Lilienfeld-Toal M (2022) COVID-19 vaccines in patients with cancer: immunogenicity, efficacy and safety. *Nat Rev Clin Oncol* 19(6), 385-401. (Review)

Hoang TNM^{*}, Cseresnyés Z^{*}, Hartung S^{*}, Blickensdorf M, Saffer C, Rennert K, Mosig AS, von Lilienfeld-Toal M, Figge MT (2022) Invasive aspergillosis-on-chip: A quantitative treatment study of human *Aspergillus fumigatus* infection. *Biomaterials* 283, 121420.

Montaño DE, Hartung S, Wich M, Ali R, Jungnickel B, von Lilienfeld-Toal M, Voigt K (2022) The TLR-NF-κB axis contributes to the monocytic inflammatory response against a virulent strain

of *Lichtheimia corymbifera*, a causative agent of invasive mucormycosis. *Front Immunol* 13, 882921.

Böttcher S, Hartung S, Meyer F, Rummler S, Voigt K, Walther G, Hochhaus A, von Lilienfeld-Toal M, Jahreis S (2021) Human mucosal-associated invariant T cells respond to Mucorales species in a MR1-dependent manner. *Med Mycol* 59(5), 505-509.

Giesen N, Sprute R, Rührich M, Khodamoradi Y, Mellinghoff SC, Beutel G, Lueck C, Koldehoff M, Hentrich M, Sandherr M, von Bergwelt-Baildon M, Wolf HH, Hirsch HH, Wörmann B, Cornely OA, Köhler P, Schalk E, von Lilienfeld-Toal M (2021) Evidence-based management of COVID-19 in cancer patients: Guideline by the infectious diseases working party (AGIHO) of the German Society for Haematology and Medical Oncology (DGHO). *Eur J Cancer* 140, 86-104.

Rührich MM, Giessen-Jung C, Borgmann S, Classen AY, Dolff S, Grüner B, Hanses F, Isberner N, Köhler P, Lanznaster J, Merle U, Nadalin S, Piepel C, Schneider J, Schons M, Strauss R, Tometten L, Vehreschild JJ, von Lilienfeld-Toal M, Beutel G, Wille K (2021) COVID-19 in cancer patients: clinical characteristics and outcome-an analysis of the LEOSS registry. *Ann Hematol* 100(2), 383-393.

Walther G, Zimmermann A, Theuersbacher J, Kaerger K, von Lilienfeld-Toal M, Roth M, Kampik D, Geerling G, Kurzai O (2021) Eye infections caused by filamentous fungi: Spectrum and antifungal susceptibility of the prevailing agents in germany. *J Fungi (Basel)* 7(7), 511.

Crodel CC, Jentsch-Ullrich K, Koschmieder S, Kämpfe D, Griesshammer M, Döhner K, Jost PJ, Wolleschak D, Isfort S, Stegelmann F, Jilg S, Hofmann V, Auteri G, Rachow T, Ernst P, Brioli A, von Lilienfeld-Toal M, Hochhaus A, Palandri F, Heidel FH (2020) Frequency of infections in 948 MPN patients: A prospective multicenter patient-reported pilot study. *Leukemia* 34(7), 1949-1953.

Mayer K, Hahn-Ast C, Schwab K, Schmidt-Wolf IGH, Brossart P, Glasmacher A, von Lilienfeld-Toal M (2020) Long-term follow-up of Cladribine, high-dose Cytarabine, and Idarubicin as salvage treatment for relapsed acute myeloid leukemia and literature review. *Eur J Haematol* 104(6), 538-545. (Review)

Mian H, Grant SJ, Engelhardt M, Pawlyn C, Bringham S, Zweegman S, Stege CAM, Rosko AE, von Lilienfeld-Toal M, Wildes TM (2020) Caring for older adults with multiple myeloma during the COVID-19 Pandemic: Perspective from the international forum for optimizing care of older adults with myeloma. *J Geriatr Oncol* 11(5), 764-768.

Rachow T, Lamik T, Kalkreuth J, Kurze S, Wagner K, Stier P, Hammersen FJ, Rührich MM, Winkelmann N, Klink A, Hilgendorf I, Hermann B, Lang S, Hochhaus A, von Lilienfeld-Toal M (2020) Detection of community-acquired respiratory viruses in allogeneic stem-cell transplant recipients and controls-A prospective cohort study. *Transpl Infect Dis* 22(6), e13415.

Shopova IA, Belyaev I, Dasari P, Jahreis S, Stroe MC, Cseresnyés Z, Zimmermann AK, Medyukhina A, Svensson C-M, Krüger T, Szeifert V, Nietzsche S, Conrad T, Blango MG, Kniemeyer O, von Lilienfeld-Toal M, Zipfel PF, Ligeti E, Figge MT, Brakhage AA (2020) Human neutrophils produce antifungal extracellular vesicles against *Aspergillus fumigatus*. *mBio* 11(2), e00596-20.

von Lilienfeld-Toal M (2020) Community-acquired respiratory viruses in oncology: Lessons to be learnt from the SARS-CoV-2 pandemic. *Oncol Res Treat* 43(6), 262-263.

von Lilienfeld-Toal M, Vehreschild JJ, Cornely O, Pagano L, Compagno F, Hirsch HH (2020) Frequently asked questions regarding SARS-CoV-2 in cancer patients-recommendations for clinicians caring for patients with malignant diseases. *Leukemia* 34(6), 1487-1494. (Review)

Hartung S, Rauh C, Boettcher S, Hoang MTN, Jahreis S, Rummeler S, Hochhaus A, von Lilienfeld-Toal M (2019) Measuring phagocytosis of *Aspergillus fumigatus* conidia by human leukocytes using flow cytometry. *J Vis Exp* (154),

Hartung S, Rauh C, Hoang TNM, Jahreis S, Wagner K, Macheleidt J, Brakhage AA, Rummeler S, Hochhaus A, von Lilienfeld-Toal M (2019) Fast and quantitative evaluation of human leukocyte interaction with *Aspergillus fumigatus* conidia by flow cytometry. *Cytometry A* 95(3), 332-338.

Jahreis S, Boettcher S, von Lilienfeld-Toal M (2019) MAIT cell activation by fungal pathogens. *Methods Mol Biol* 2098, 167-177.

Roth M, Daas L, Renner-Wilde A, Cvetkova-Fischer N, Saeger M, Herwig-Carl M, Matthaei M, Fekete A, Kakkassery V, Walther G, von Lilienfeld-Toal M, Mertens C, Lenk J, Mehlan J, Fischer C, Fuest M, Kroll S, Bayoudh W, Viestenz A, Frings A, MacKenzie CR, Messmer EM, Seitz B, Kurzai O, Geerling G (2019) Das Deutsche Pilz-Keratitis-Register: Erste Ergebnisse einer multizentrischen Erhebung [The german keratomycosis registry: Initial results of a multicenter survey]. *Ophthalmologe* 116(10), 957-966.

Jahreis S, Böttcher S, Hartung S, Rachow T, Rummeler S, Dietl AM, Haas H, Walther G, Hochhaus A, von Lilienfeld-Toal M (2018) Human MAIT cells are rapidly activated by *Aspergillus* spp. in an APC-dependent manner. *Eur J Immunol* 48(10), 1698-1706.

Ruhnke M, Behre G, Buchheidt D, Christopeit M, Hamprecht A, Heinz W, Heussel CP, Horger M, Kurzai O, Karthaus M, Löffler J, Maschmeyer G, Penack O, Rieger C, Rickerts V, Ritter J, Schmidt-Hieber M, Schuelper N, Schwartz S, Ullmann A, Vehreschild JJ, von Lilienfeld-Toal M, Weber T, Wolf HH (2018) Diagnosis of invasive fungal diseases in haematology and oncology: 2018 update of the recommendations of the infectious diseases working party of the German society for hematology and medical oncology (AGIHO). *Mycoses* 61(11), 796-813. (Review)

Hermann B, Lehnert N, Brodhun M, Boden K, Hochhaus A, Kochanek M, Meckel K, Mayer K, Rachow T, Rieger C, Schalk E, Weber T, Schmeier-Jürchott A, Schlattmann P, Teschner D, von Lilienfeld-Toal M (2017) Influenza virus infections in patients with malignancies -- characteristics and outcome of the season 2014/15. A survey conducted by the Infectious Diseases Working Party (AGIHO) of the German Society of Haematology and Medical Oncology (DGHO). *Eur J Clin Microbiol Infect Dis* 36(3), 565-573.

Jahreis S, Kuhn S, Madaj AM, Bauer M, Polte T (2017) Mold metabolites drive rheumatoid arthritis in mice via promotion of IFN-gamma- and IL-17-producing T cells. *Food Chem Toxicol* 109(Pt 1), 405-413.

Jahreis S, Trump S, Bauer M, Bauer T, Thürmann L, Feltens R, Wang Q, Gu L, Grützmann K, Röder S, Averbek M, Weichenhan D, Plass C, Sack U, Borte M, Dubourg V, Schüürmann G, Simon JC, von Bergen M, Hackermüller J, Eils R, Lehmann I, Polte T (2017) Maternal phthalate exposure promotes allergic airway inflammation over 2 generations through epigenetic modifications. *J Allergy Clin Immunol* 141(2), 741-753.

Rachow T, Schlüter V, Bremer-Streck S, Lindig U, Scholl S, Schlattmann P, Kiehntopf M, Hochhaus A, von Lilienfeld-Toal M (2017) Measurement of piperacillin plasma concentrations in

cancer patients with suspected infection. *Infection* 45(5), 629-636.

Walther G, Stasch S, Kaerger K, Hamprecht A, Roth M, Cornely OA, Geerling G, Mackenzie CR, Kurzai O, von Lilienfeld-Toal M (2017) Fusarium Keratitis in Germany. *J Clin Microbiol* 55(10), 2983-2995.

Hahn-Ast C, Felder L, Mayer K, Mückter S, Ruhnke M, Hein R, Hellmich M, Schwab K, Rachow T, Brossart P, von Lilienfeld-Toal M (2016) Outcome of empirical or targeted antifungal therapy after antifungal prophylaxis in febrile neutropenia. *Ann Hematol* 95(6), 1001-1009.

Rachow T, Dornaus S, Sayer HG, Hermann B, Hochhaus A, von Lilienfeld-Toal M (2016) Case report: false positive elevated serum-galactomannan levels after autologous hematopoietic stem cell transplantation caused by oral nutritional supplements. *Clin Case Rep.* 4(5), 505-508.

von Lilienfeld-Toal M, Berger A, Christopeit M, Hentrich M, Heussel CP, Kalkreuth J, Klein M, Kochanek M, Penack O, Hauf E, Rieger C, Silling G, Vehreschild M, Weber T, Wolf HH, Lehnert N, Schalk E, Mayer K (2016) Community acquired respiratory virus infections in cancer patients- Guideline on diagnosis and management by the Infectious Diseases Working Party of the German Society for haematology and Medical Oncology. *Eur J Cancer* 67, 200-212.

Krönke J, Schlenk RF, Jensen KO, Tschürtz F, Corbacioglu A, Gaidzik VI, Paschka P, Onken S, Eiwen K, Habdank M, Späth D, Lübbert M, Wattad M, Kindler T, Salih HR, Held G, Nachbaur D, von Lilienfeld-Toal M, Germing U, Haase D, Mergenthaler HG, Krauter J, Ganser A, Göhring G, Schlegelberger B, Döhner H, Döhner K (2011) Monitoring of minimal residual disease in NPM1-mutated acute myeloid leukemia: a study from the German-Austrian acute myeloid leukemia study group. *J Clin Oncol* 29(19), 2709-2716.

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