

MICOSI NEL PAZIENTE EMATOLOGICO (aggiornamento giugno 2021)

Treatment of invasive fungal diseases in cancer patients-Revised 2019 Recommendations of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Oncology (DGHO).

Ruhnke M, Cornely OA, Schmidt-Hieber M, Alakel N, Boell B, Buchheidt D, Christopeit M, Hasenkamp J, Heinz WJ, Hentrich M, Karthaus M, Koldehoff M, Maschmeyer G, Panse J, Penack O, Schleicher J, Teschner D, Ullmann AJ, Vehreschild M, von Lilienfeld-Toal M, Weissinger F, Schwartz S. *Mycoses*. 2020 Jul;63(7):653-682. doi: 10.1111/myc.13082. Epub 2020 May 12. PMID: 32236989

Central nervous system fungal infections in allogeneic stem cell transplantation. outcome of 24 recent cases and literature review.

Candoni A, Facchin G, Busca A, Lazzarotto D, Cattaneo C, Nadali G, Klimko N, Del Principe MI, Castagnola C, Verga L, Zannier ME, Calore E, Capelli D, Perruccio K, Melillo L, Fanin R, Pagano L. *Eur J Haematol*. 2019 Nov 24. doi: 10.1111/ejh.13355. [Epub ahead of print]

Global guideline for the diagnosis and management of mucormycosis: an initiative of the European Confederation of Medical Mycology in cooperation with the Mycoses Study Group Education and Research Consortium.

Cornely OA, Alastruey-Izquierdo A, Arenz D, Chen SCA, Dannaoui E, Hochhegger B, Hoenigl M, Jensen HE, Lagrou K, Lewis RE, Mellinshoff SC, Mer M, Pana ZD, Seidel D, Sheppard DC, Wahba R, Akova M, Alanio A, Al-Hatmi AMS, Arikian-Akdagli S, Badali H, Ben-Ami R, Bonifaz A, Bretagne S, Castagnola E, Chayakulkeeree M, Colombo AL, Corzo-León DE, Drgona L, Groll AH, Guinea J, Heussel CP, Ibrahim AS, Kanj SS, Klimko N, Lackner M, Lamoth F, Lanternier F, Lass-Floerl C, Lee DG, Lehrnbecher T, Lmimouni BE, Mares M, Maschmeyer G, Meis JF, Meletiadis J, Morrissey CO, Nucci M, Oladele R, Pagano L, Pasqualotto A, Patel A, Racil Z, Richardson M, Roilides E, Ruhnke M, Seyedmousavi S, Sidharthan N, Singh N, Sinko J, Skiada A, Slavin M, Soman R, Spellberg B, Steinbach W, Tan BH, Ullmann AJ, Vehreschild JJ, Vehreschild MJGT, Walsh TJ, White PL, Wiederhold NP, Zaoutis T, Chakrabarti A; Mucormycosis ECMM MSG Global Guideline Writing Group. *Lancet Infect Dis*. 2019 Dec;19(12):e405-e421. doi: 10.1016/S1473-3099(19)30312-3. Epub 2019 Nov 5.

Taplitz RA, Kennedy EB, Bow EJ, et al. Antimicrobial Prophylaxis for Adult Patients With Cancer-Related Immunosuppression: ASCO and IDSA Clinical Practice Guideline Update. *J Clin Oncol* 2018; 36:3043-3054.

European guidelines for primary antifungal prophylaxis in adult haematology patients: summary of the updated recommendations from the European Conference on Infections in Leukaemia.

Maertens JA, Girmenia C, Brüggemann RJ, Duarte RF, Kibbler CC, Ljungman P, Racil Z, Ribaud P, Slavin MA, Cornely OA, Peter Donnelly J, Cordonnier C; European Conference on Infections in Leukaemia (ECIL), a joint venture of the European Group for Blood and Marrow Transplantation (EBMT), the European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and; European Conference on Infections in Leukaemia (ECIL), a joint venture of the European Group for Blood and Marrow Transplantation (EBMT), the European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and the European LeukemiaNet (ELN) *J Antimicrob Chemother*. 2018 Dec 1;73(12):3221-3230. doi: 10.1093/jac/dky286.

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).

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. *Mycoses*. 2018 Nov;61(11):796-813. doi: 10.1111/myc.12838. Epub 2018 Sep 3.

Primary prophylaxis of invasive fungal infections in patients with haematological malignancies: 2017 update of the recommendations of the Infectious Diseases Working Party (AGIHO) of the German Society for Haematology and Medical Oncology (DGHO).

Mellinshoff SC, Panse J, Alakel N, Behre G, Buchheidt D, Christopeit M, Hasenkamp J, Kiehl M, Koldehoff M, Krause SW, Lehnert N, von Lilienfeld-Toal M, Löhnert AY, Maschmeyer G, Teschner D, Ullmann AJ, Penack O, Ruhnke M, Mayer K, Ostermann H, Wolf HH, Cornely OA. *Ann Hematol*. 2018 Feb;97(2):197-207. doi: 10.1007/s00277-017-3196-2.

ECIL-6 guidelines for the treatment of invasive candidiasis, aspergillosis and mucormycosis in leukemia and hematopoietic stem cell transplant patients.

Tissot F, Agrawal S, Pagano L, Petrikkos G, Groll AH, Skiada A, Lass-Flörl C, Calandra T, Viscoli C, Herbrecht R.

Haematologica. 2017 Mar;102(3):433-444.

Diagnosis and empirical treatment of fever of unknown origin (FUO) in adult neutropenic patients: guidelines of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO).

Heinz WJ, Buchheidt D, Christopeit M, von Lilienfeld-Toal M, Cornely OA, Einsele H, Karthaus M, Link H, Mahlberg R, Neumann S, Ostermann H, Penack O, Ruhnke M, Sandherr M, Schiel X, Vehreschild JJ, Weissinger F, Maschmeyer G.

Ann Hematol. 2017 Nov;96(11):1775-1792. doi: 10.1007/s00277-017-3098-3.

ECIL guidelines for treatment of *Pneumocystis jirovecii* pneumonia in non-HIV-infected haematology patients.

Maschmeyer G, Helweg-Larsen J, Pagano L, Robin C, Cordonnier C, Schellongowski P; 6th European Conference on Infections in Leukemia (ECIL-6), a joint venture of The European Group for Blood and Marrow Transplantation (EBMT), The European Organization for Research and Treatment of Cancer (EORTC), the International Immunocompromised Host Society (ICHS) and The European LeukemiaNet (ELN).

J Antimicrob Chemother. 2016 Sep;71(9):2405-13.

ECIL guidelines for preventing *Pneumocystis jirovecii* pneumonia in patients with haematological malignancies and stem cell transplant recipients.

Maertens J, Cesaro S, Maschmeyer G, Einsele H, Donnelly JP, Alanio A, Hauser PM, Lagrou K, Melchers WJ, Helweg-Larsen J, Matos O, Bretagne S, Cordonnier C; 5th European Conference on Infections in Leukaemia (ECIL-5), a joint venture of the European Group for Blood and Marrow Transplantation (EBMT), the European Organisation for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and the European LeukemiaNet (ELN).

J Antimicrob Chemother. 2016 Sep;71(9):2397-404.

ECIL guidelines for the diagnosis of *Pneumocystis jirovecii* pneumonia in patients with haematological malignancies and stem cell transplant recipients.

Alanio A, Hauser PM, Lagrou K, Melchers WJ, Helweg-Larsen J, Matos O, Cesaro S, Maschmeyer G, Einsele H, Donnelly JP, Cordonnier C, Maertens J, Bretagne S; 5th European Conference on Infections in Leukemia (ECIL-5), a joint venture of The European Group for Blood and Marrow Transplantation (EBMT), The European Organization for Research and Treatment of Cancer (EORTC), the Immunocompromised Host Society (ICHS) and The European LeukemiaNet (ELN).

J Antimicrob Chemother. 2016 Sep;71(9):2386-96

Systematic review and mixed treatment comparison meta-analysis of randomized clinical trials of primary oral antifungal prophylaxis in allogeneic hematopoietic cell transplant recipients.

Bow EJ, Vanness DJ, Slavin M, Cordonnier C, Cornely OA, Marks DI, Pagliuca A, Solano C, Cragin L, Shaul AJ, Sorensen S, Chambers R, Kantecki M, Weinstein D, Schlamm H.

BMC Infect Dis. 2015 Mar 17;15:128.

Fourth European Conference on Infections in Leukaemia (ECIL-4): guidelines for diagnosis, prevention, and treatment of invasive fungal diseases in paediatric patients with cancer or allogeneic haemopoietic stem-cell transplantation.

Groll AH, Castagnola E, Cesaro S, Dalle JH, Engelhard D, Hope W, Roilides E, Styczynski J, Warris A, Lehrnbecher T; Fourth European Conference on Infections in Leukaemia; Infectious Diseases Working Party of the European Group for Blood Marrow Transplantation (EBMT-IDWP); Infectious Diseases Group of the European Organisation for Research and Treatment of Cancer (EORTC-IDG); International Immunocompromised Host Society (ICHS); European Leukaemia Net (ELN).

Lancet Oncol. 2014 Jul;15(8):e327-40.

Treatment of invasive fungal infections in cancer patients—updated recommendations of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Oncology (DGHO).

Moussset S, Buchheidt D, Heinz W, Ruhnke M, Cornely OA, Egerer G, Krüger W, Link H, Neumann S, Ostermann H, Panse J, Penack O, Rieger C, Schmidt-Hieber M, Silling G, Südhoff T, Ullmann AJ, Wolf HH, Maschmeyer G, Böhme A.

Ann Hematol. 2014 Jan;93(1):13-32.

ESCMID* guideline for the diagnosis and management of Candida diseases 2012: adults with haematological malignancies and after haematopoietic stem cell transplantation (HCT).

Ullmann AJ, Akova M, Herbrecht R, Viscoli C, Arendrup MC, Arikan-Akdagli S, Bassetti M, Bille J, Calandra T, Castagnola E, Cornely OA, Donnelly JP, Garbino J, Groll AH, Hope WW, Jensen HE, Kullberg BJ, Lass-Flörl C, Lortholary O, Meersseman W, Petrikkos G, Richardson MD, Roilides E, Verweij PE, Cuenca-Estrella M; ESCMID Fungal Infection Study Group.

Clin Microbiol Infect. 2012 Dec;18 Suppl 7:53-67.

ESCMID* guideline for the diagnosis and management of Candida diseases 2012: non-neutropenic adult patients.

Cornely OA, Bassetti M, Calandra T, Garbino J, Kullberg BJ, Lortholary O, Meersseman W, Akova M, Arendrup MC, Arikan-Akdagli S, Bille J, Castagnola E, Cuenca-Estrella M, Donnelly JP, Groll AH, Herbrecht R, Hope WW, Jensen HE, Lass-Flörl C, Petrikkos G, Richardson MD, Roilides E, Verweij PE, Viscoli C, Ullmann AJ; ESCMID Fungal Infection Study Group.

Clin Microbiol Infect. 2012 Dec;18 Suppl 7:19-37.