

The European Hematology Association – Scientific Working Group Infections in Hematology

Overview of Available Guidelines (since 2012) on Infections in Hematology

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Please let us know if there are guidelines that should be added – susann.blossfeld@uk-koeln.de

Provides Guidance on	Published in	Organization	Reference
Febrile Neutropenia			
Diagnosis and empirical treatment of fever of unknown origin (FUO) in adult neutropenic patients	2017	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)	Heinz, W.J., et al., <i>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)</i> . Ann Hematol, 2017. 96 (11): p. 1775-1792 https://www.ncbi.nlm.nih.gov/pubmed/28856437
Management of Fever and Neutropenia in Children With Cancer and Hematopoietic Stem-Cell Transplantation Recipients	2017		Lehrnbecher, T., et al., <i>Guideline for the Management of Fever and Neutropenia in Children With Cancer and Hematopoietic Stem-Cell Transplantation Recipients: 2017 Update</i> . J Clin Oncol, 2017. 35 (18): p. 2082-2094. https://www.ncbi.nlm.nih.gov/pubmed/28459614

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Diagnosis and antimicrobial therapy of lung infiltrates in febrile neutropenic patients (excluding allogeneic stem cell transplantation patients)	2015	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)	Maschmeyer, G., et al., <i>Diagnosis and antimicrobial therapy of lung infiltrates in febrile neutropenic patients (allogeneic SCT excluded): updated guidelines of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)</i> . Ann Oncol, 2015. 26 (1): p. 21-33 https://www.ncbi.nlm.nih.gov/pubmed/24833776
Diagnosis and management of sepsis in neutropenic patients	2014	German Society of Hematology and Medical Oncology (AGIHO), Infectious Diseases Working Party	Penack, O., et al., <i>Management of sepsis in neutropenic patients: 2014 updated guidelines from the Infectious Diseases Working Party of the German Society of Hematology and Medical Oncology (AGIHO)</i> . Ann Hematol, 2014. 93 (7): p. 1083-95 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC4050292/
Initial empirical therapy in febrile neutropenic patients	2014	European Conference on Infections in leukemia (ECIL)	Averbuch, D., et al., <i>European guidelines for empirical antibacterial therapy for febrile neutropenic patients in the era of growing resistance: summary of the 2011 4(th) European Conference on Infections in Leukemia</i> . Haematologica, 2013. 98 (12): p. 1826-1835 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3856957/
Fungal Infections			

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Diagnosis and management of Aspergillus diseases: executive summary of the 2017 ESCMID-ECMM-ERS guideline	2018	European Society of Clinical Microbiology and Infectious Diseases (ESCMID), European Confederation of Medical Mycology (ECMM), European Respiratory Society (ERS)	Ullmann, A.J., et al., <i>Diagnosis and management of Aspergillus diseases: executive summary of the 2017 ESCMID-ECMM-ERS guideline. Clinical microbiology and infection : the official publication of the European Society of Clinical Microbiology and Infectious Diseases</i> . Clin Microbiol Infect., 2018. 24 (Suppl 1:e1-e38) https://www.ncbi.nlm.nih.gov/pubmed/29544767
Primary prophylaxis of invasive fungal infections in patients with haematological malignancies	2018	Infectious Diseases Working Party (AGIHO) of the German Society for Haematology and Medical Oncology (DGHO)	Mellinghoff, S.C., et al., <i>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)</i> . Ann Hematol, 2018. 97 (2): p. 197-207 https://www.ncbi.nlm.nih.gov/pubmed/29218389
Treatment of invasive candidiasis, aspergillosis and mucormycosis in leukemia and hematopoietic stem cell transplant patients	2017	European Conference on Infections in leukemia (ECIL)	Tissot, F., et al., <i>ECIL-6 guidelines for the treatment of invasive candidiasis, aspergillosis and mucormycosis in leukemia and hematopoietic stem cell transplant patients</i> . Haematologica, 2017. 102 (3): p. 433-444 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5394968/

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Treatment of <i>Pneumocystis jirovecii</i> pneumonia in non-HIV-infected haematology patients	2016	European Conference on Infections in leukemia (ECIL)	Maschmeyer, G., et al., <i>Diagnosis and antimicrobial therapy of lung infiltrates in febrile neutropenic patients (allogeneic SCT excluded): updated guidelines of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)</i> . Ann Oncol, 2015. 26 (1): p. 21-33 https://www.ncbi.nlm.nih.gov/pubmed/27550993
Diagnosis of <i>Pneumocystis jirovecii</i> pneumonia in patients with haematological malignancies and stem cell transplant recipients	2016	European Conference on Infections in leukemia (ECIL)	Alanio, A., et al., <i>ECIL guidelines for the diagnosis of <i>Pneumocystis jirovecii</i> pneumonia in patients with haematological malignancies and stem cell transplant recipients</i> . J Antimicrob Chemother, 2016. 71 (9): p. 2386-96 https://www.ncbi.nlm.nih.gov/pubmed/27550991
Prevention <i>Pneumocystis jirovecii</i> pneumonia in patients with haematological malignancies and stem cell transplant recipients	2016	European Conference on Infections in leukemia (ECIL)	Maertens, J., et al., <i>ECIL guidelines for preventing <i>Pneumocystis jirovecii</i> pneumonia in patients with haematological malignancies and stem cell transplant recipients</i> . J Antimicrob Chemother, 2016. 71 (9): p. 2397-404 https://www.ncbi.nlm.nih.gov/pubmed/27550992
Diagnosis and management of aspergillosis	2016	Infectious Diseases Society of America (IDSA)	Patterson, T.F., et al., <i>Practice Guidelines for the Diagnosis and Management of Aspergillosis: 2016 Update by the Infectious Diseases Society of America</i> . Clin Infect Dis, 2016. 63 (4): p. e1-e60 https://www.ncbi.nlm.nih.gov/pubmed/27365388

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Diagnosis, prevention, and treatment of invasive fungal diseases in paediatric patients with cancer or allogeneic haemopoietic stem-cell transplantation	2014	European Conference on Infections in leukemia (ECIL)	Groll, A.H., et al., <i>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</i> . Lancet Oncol, 2014. 15 (8): p. e327-40 https://www.ncbi.nlm.nih.gov/pubmed/24988936
Diagnosis and management of mucormycosis	2014	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)/European Confederation of Medical Mycology (ECMM)	Cornely, O.A., et al., <i>ESCMID and ECMM joint clinical guidelines for the diagnosis and management of mucormycosis 2013</i> . Clin Microbiol Infect, 2014. 20 Suppl 3 : p. 5-26 https://www.ncbi.nlm.nih.gov/pubmed/24479848
Diagnosis and management of hyalohyphomycosis : <i>Fusarium</i> spp., <i>Scedosporium</i> spp. and others	2014	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)/European Confederation of Medical Mycology (ECMM)	Tortorano, A.M., et al., <i>ESCMID and ECMM joint guidelines on diagnosis and management of hyalohyphomycosis: Fusarium spp., Scedosporium spp. and others</i> . Clin Microbiol Infect, 2014. 20 Suppl 3 : p. 27-46 https://www.ncbi.nlm.nih.gov/pubmed/24548001
Diagnosis and management of phaeohyphomycosis (diseases caused by black fungi)	2014	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)/European Confederation of Medical Mycology (ECMM)	Chowdhary, A., et al., <i>ESCMID and ECMM joint clinical guidelines for the diagnosis and management of systemic phaeohyphomycosis: diseases caused by black fungi</i> . Clin Microbiol Infect, 2014. 20 Suppl 3 : p. 47-75 https://www.ncbi.nlm.nih.gov/pubmed/24483780

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Diagnosis and management of rare invasive yeast infections	2014	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)/European Confederation of Medical Mycology (ECMM)	Arendrup, M.C., et al., <i>ESCMID and ECMM joint clinical guidelines for the diagnosis and management of rare invasive yeast infections</i> . Clin Microbiol Infect, 2014. 20 Suppl 3 : p. 76-98 https://www.ncbi.nlm.nih.gov/pubmed/24102785
Diagnosis, treatment and prevention of Candida infections in adults with haematological malignancies and after haematopoietic stem cell transplantation (HCT)	2012	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)	Ullmann, A.J., et al., <i>ESCMID* guideline for the diagnosis and management of Candida diseases 2012: adults with haematological malignancies and after haematopoietic stem cell transplantation (HCT)</i> . Clin Microbiol Infect, 2012. 18 Suppl 7 : p. 53-67 https://www.ncbi.nlm.nih.gov/pubmed/23137137
Viral Infections			
Prevention, diagnosis and treatment of BK polyomavirus -associated haemorrhagic cystitis in haematopoietic stem cell transplant recipients	2018	European Conference on Infections in leukemia (ECIL)	Cesaro, S., et al., <i>ECIL guidelines for the prevention, diagnosis and treatment of BK polyomavirus-associated haemorrhagic cystitis in haematopoietic stem cell transplant recipients</i> . J Antimicrob Chemother, 2018. 73 (1): p. 12-21 https://www.ncbi.nlm.nih.gov/pubmed/29190347
Diagnosis and management of common respiratory viral infections in patients undergoing treatment for haematological malignancies or stem cell transplantation	2016	British Committee for Standards in Haematology (BCSH), Haemato-oncology subgroup; British Society for Blood and Marrow Transplantation (BSBMT) and the UK Clinical Virology Network	Dignan, F.L., et al., <i>BCSH/BSBMT/UK clinical virology network guideline: diagnosis and management of common respiratory viral infections in patients undergoing treatment for haematological malignancies or stem cell transplantation</i> . Br J Haematol, 2016. 173 (3): p. 380-93 https://www.ncbi.nlm.nih.gov/pubmed/27060988

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Community acquired respiratory virus infections in cancer patients	2016	Infectious Diseases Working Party (AGIHO) of the German Society for Haematology and Medical Oncology (DGHO)	<p>von Lilienfeld-Toal, M., et al., <i>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</i>. Eur J Cancer, 2016. 67: p. 200-212.</p> <p>https://www.ncbi.nlm.nih.gov/pubmed/27681877</p>
Management of viral hepatitis in patients with haematological malignancy and in patients undergoing haemopoietic stem cell transplantation	2016	European Conference on Infections in leukemia (ECIL)	<p>Mallet, V., et al., <i>Management of viral hepatitis in patients with haematological malignancy and in patients undergoing haemopoietic stem cell transplantation: recommendations of the 5th European Conference on Infections in Leukaemia (ECIL-5)</i>. Lancet Infect Dis, 2016. 16(5): p. 606-617</p> <p>https://www.ncbi.nlm.nih.gov/pubmed/27599653</p>
Diagnosis, treatment and prevention of EBV infections in patients after allogeneic hematopoietic stem cell transplantation	2016	European Conference on Infections in leukemia (ECIL)	<p>Styczynski, J., et al., <i>Management of Epstein-Barr Virus infections and post-transplant lymphoproliferative disorders in patients after allogeneic hematopoietic stem cell transplantation: Sixth European Conference on Infections in Leukemia (ECIL-6) guidelines</i>. Haematologica, 2016. 101(7): p. 803-811</p> <p>https://www.ncbi.nlm.nih.gov/pmc/articles/PMC5004459/</p>
Diagnosis, treatment and prevention of community acquired respiratory infections other than influenza and adenovirus in patients with leukemia and those undergoing hematopoietic stem cell transplantation	2013	European Conference on Infections in leukemia (ECIL)	<p>Hirsch, H.H., et al., <i>Fourth European Conference on Infections in Leukaemia (ECIL-4): guidelines for diagnosis and treatment of human respiratory syncytial virus, parainfluenza virus, metapneumovirus, rhinovirus, and coronavirus</i>. Clin Infect Dis, 2013. 56(2): p. 258-66</p> <p>https://www.ncbi.nlm.nih.gov/pubmed/23024295</p>

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Management of cytomegalovirus infection in hematopoietic stem cell transplantation	2013	British Committee for Standards in Haematology (BCSH), British Society for Blood and Marrow Transplantation (BSBMT) and the UK Clinical Virology Network	Emery, V., et al., <i>Management of cytomegalovirus infection in haemopoietic stem cell transplantation</i> . Br J Haematol, 2013. 162 (1): p. 25-39 https://www.ncbi.nlm.nih.gov/pubmed/23647436
Bacterial Infections			
Treatment of <i>Clostridium difficile</i> infection	2014	European Society for Clinical Microbiology and Infectious Diseases (ESCMID)	Debast, S.B., M.P. Bauer, and E.J. Kuijper, <i>European Society of Clinical Microbiology and Infectious Diseases: update of the treatment guidance document for Clostridium difficile infection</i> . Clin Microbiol Infect, 2014. 20 Suppl 2 : p. 1-26 https://www.ncbi.nlm.nih.gov/pubmed/24118601
Targeted therapy against multi-resistant bacteria in leukemic and hematopoietic stem cell transplant recipients	2013	European Conference on Infections in leukemia (ECIL)	Averbuch, D., et al., <i>Targeted therapy against multi-resistant bacteria in leukemic and hematopoietic stem cell transplant recipients: guidelines of the 4(th) European Conference on Infections in Leukemia (ECIL-4, 2011)</i> . Haematologica, 2013. 98 (12): p. 1836-1847 https://www.ncbi.nlm.nih.gov/pmc/articles/PMC3856958/
Other			
Anti-infective Vaccination Strategies in Patients with Hematologic Malignancies or Solid Tumors - Guideline of the Infectious Diseases Working Party (AGIHO) of the German Society for Hematology and Medical Oncology (DGHO)	2018	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)	Rieger, CT., et al. <i>Anti-infective Vaccination Strategies in Patients with Hematologic Malignancies or Solid Tumors - Guideline of the Infectious Diseases Working Party (AGIHO) of the German Society for Hematology and Medical Oncology (DGHO)</i> . Ann Oncol, 2018. https://www.ncbi.nlm.nih.gov/pubmed/29688266

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Diagnosis and management of gastrointestinal complications (including infection) in patients with cancer	2017	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)	Schmidt-Hieber, M., et al., <i>Diagnosis and management of gastrointestinal complications in adult cancer patients: 2017 updated evidence-based guidelines of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)</i> . Ann Hematol, 2018. 97 (1): p. 31-49 https://www.ncbi.nlm.nih.gov/pubmed/29177551
Infectious diseases in allogeneic haematopoietic stem cell transplantation	2016	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO) DAG-KBT (German Working Group for Blood and Marrow Transplantation)	Ullmann, A.J., et al., <i>Infectious diseases in allogeneic haematopoietic stem cell transplantation: prevention and prophylaxis strategy guidelines 2016</i> . Ann Hematol, 2016. 95 (9): p. 1435-55. https://www.ncbi.nlm.nih.gov/pubmed/27339055
CNS infections in patients with hematological disorders	2016	Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)	Schmidt-Hieber, M., et al., <i>CNS infections in patients with hematological disorders (including allogeneic stem-cell transplantation)-Guidelines of the Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)</i> . Ann Oncol, 2016. 27 (7): p. 1207-25. https://www.ncbi.nlm.nih.gov/pubmed/27052648

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<p>Central venous catheter-related infections in hematology and oncology</p>	<p>2014</p>	<p>Infectious Diseases Working Party (AGIHO) of the German Society of Hematology and Medical Oncology (DGHO)</p>	<p>Hentrich, M., et al., <i>Central venous catheter-related infections in hematology and oncology: 2012 updated guidelines on diagnosis, management and prevention by the Infectious Diseases Working Party of the German Society of Hematology and Medical Oncology</i>. Ann Oncol, 2014. 25(5): p. 936-47</p> <p>https://www.ncbi.nlm.nih.gov/pubmed/24399078</p>
<p>Central venous access in oncology including catheter-related infections</p>	<p>2015</p>	<p>European Society of Clinical Oncology (ESMO)</p>	<p>Sousa, B., et al., <i>Central venous access in oncology: ESMO Clinical Practice Guidelines</i>. Ann Oncol, 2015. 26 Suppl 5: p. v152-68</p> <p>https://www.ncbi.nlm.nih.gov/pubmed/26314776</p>