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EHA Master Class Mentor from 2021

H-index: 29 (Scopus)

Publications:

[MDM2 inhibition: an important step forward in cancer therapy.](#)

Konopleva M, Martinelli G, Daver N, **Papayannidis C**, Wei A, Higgins B, Ott M, Mascarenhas J, Andreeff M. *Leukemia*. 2020 Nov;34(11):2858-2874. doi: 10.1038/s41375-020-0949-z. Epub 2020 Jul 10. PMID: 32651541 Review.

[Philadelphia-like acute lymphoblastic leukemia is associated with minimal residual disease persistence and poor outcome. First report of the minimal residual disease-oriented GIMEMA LAL1913.](#)

Chiaretti S, Messina M, Della Starza I, Piciocchi A, Cafforio L, Cavalli M, Taherinasab A, Ansuinelli M, Elia L, Albertini Petroni G, La Starza R, Canichella M, Lauretti A, Puzzolo MC, Pierini V, Santoro A, Spinelli O, Apicella V, Capria S, Di Raimondo F, De Fabritiis P, **Papayannidis C**, Candoni A, Cairoli R, Cerrano M, Fracchiolla N, Mattei D, Cattaneo C, Vitale A, Crea E, Fazi P, Mecucci C, Rambaldi A, Guarini A, Bassan R, Foà R. *Haematologica*. 2021 Jun 1;106(6):1559-1568. doi: 10.3324/haematol.2020.247973. PMID: 32467145 Free PMC article.

[Nelarabine as salvage therapy and bridge to allogeneic stem cell transplant in 118 adult patients with relapsed/refractory T-cell acute lymphoblastic leukemia/lymphoma. A CAMPUS ALL study.](#)

Candoni A, Lazzarotto D, Ferrara F, Curti A, Lussana F, **Papayannidis C**, Del Principe MI, Bonifacio M, Mosna F, Delia M, Minetto P, Gottardi M, Fracchiolla N, Mancini V, Forghieri F, Zappasodi P, Cerrano M, Vitale A, Audisio E, Trappolini S, Romani C, Defina M, Imbergamo S, Ciccone N, Santoro L, Cambò B, Iaccarino S, Dargenio M, Aprile L, Chiaretti S, Fanin R, Pizzolo G, Foà R. *Am J Hematol*. 2020 Dec;95(12):1466-1472. doi: 10.1002/ajh.25957. Epub 2020 Aug 31. PMID: 32777149 Free article. Clinical Trial.

[Long-term follow-up of blinatumomab in patients with relapsed/refractory Philadelphia chromosome-positive B-cell precursor acute lymphoblastic leukaemia: Final analysis of ALCANTARA study.](#)

Martinelli G, Boissel N, Chevallier P, Ottmann O, Gökbüget N, Rambaldi A, Ritchie EK, **Papayannidis C**, Tuglus CA, Morris JD, Stein A. *Eur J Cancer*. 2021 Mar;146:107-114. doi: 10.1016/j.ejca.2020.12.022. Epub 2021 Feb 13. PMID: 33588145 Free article. Clinical Trial.

[Clinical benefit of glasdegib plus low-dose cytarabine in patients with de novo and secondary acute myeloid leukemia: long-term analysis of a phase II randomized trial.](#)

Heuser M, Smith BD, Fiedler W, Sekeres MA, Montesinos P, Leber B, Merchant A, **Papayannidis C**, Pérez-Simón JA, Hoang CJ, O'Brien T, Ma WW, Zeremski M, O'Connell A, Chan G, Cortes JE. *Ann Hematol*. 2021 May;100(5):1181-1194. doi: 10.1007/s00277-021-04465-4. Epub 2021 Mar 19. PMID: 33740113 Free PMC article. Clinical Trial.

[Acute Myeloid Leukemia Mutations: Therapeutic Implications.](#)

**Papayannidis C**, Sartor C, Marconi G, Fontana MC, Nanni J, Cristiano G, Parisi S, Paolini S, Curti A. *Int J Mol Sci*. 2019 Jun 3;20(11):2721. doi: 10.3390/ijms20112721. PMID: 31163594 Free PMC article. Review.

[Complete Hematologic and Molecular Response in Adult Patients With Relapsed/Refractory Philadelphia Chromosome-Positive B-Precursor Acute Lymphoblastic Leukemia Following Treatment With Blinatumomab: Results From a Phase II, Single-Arm, Multicenter Study.](#)

Martinelli G, Boissel N, Chevallier P, Ottmann O, Gökbüget N, Topp MS, Fielding AK, Rambaldi A, Ritchie EK, **Papayannidis C**, Sterling LR, Benjamin J, Stein A. J Clin Oncol. 2017 Jun 1;35(16):1795-1802. doi: 10.1200/JCO.2016.69.3531. Epub 2017 Mar 29. PMID: 28355115 Clinical Trial.

[Rearrangements of ATP5L-KMT2A in acute lymphoblastic leukaemia.](#)

Ferrari A, Ghelli Luserna Di Rora A, Domizio C, **Papayannidis C**, Simonetti G, Maria Hernández-Rivas J, Rondoni M, Giglio F, Abruzzese E, Imovilli A, Iacobucci I, Calistri D, Martinelli G. Br J Haematol. 2021 Mar;192(6):e139-e144. doi: 10.1111/bjh.17265. Epub 2020 Dec 13. PMID: 33314053 Clinical Trial. No abstract available.

[Blinatumomab in Ph+ B-ALL: present and perspectives.](#)

**Papayannidis C**, Martinelli G. Oncotarget. 2017 Oct 25;8(55):93309-93310. doi: 10.18632/oncotarget.22071. eCollection 2017 Nov 7. PMID: 29212147 Free PMC article. No abstract available.

[New targets for Ph+ leukaemia therapy.](#)

Martinelli G, Iacobucci I, **Papayannidis C**, Soverini S. Best Pract Res Clin Haematol. 2009 Sep;22(3):445-54. doi: 10.1016/j.beha.2009.08.002. PMID: 19959093 Review.

[Hedgehog Pathway Inhibitors: A New Therapeutic Class for the Treatment of Acute Myeloid Leukemia.](#)

Jamieson C, Martinelli G, **Papayannidis C**, Cortes JE. Blood Cancer Discov. 2020 Aug 11;1(2):134-145. doi: 10.1158/2643-3230.BCD-20-0007. eCollection 2020 Sep. PMID: 34661144 Free PMC article. Review.

[Tyrosine kinase inhibitors in Ph+ acute lymphoblastic leukaemia: facts and perspectives.](#)

Malagola M, **Papayannidis C**, Baccarani M. Ann Hematol. 2016 Apr;95(5):681-93. doi: 10.1007/s00277-016-2617-y. Epub 2016 Feb 19. PMID: 26891878 Review.

[Cytogenetic and molecular predictors of outcome in acute lymphocytic leukemia: recent developments.](#)

Iacobucci I, **Papayannidis C**, Lonetti A, Ferrari A, Baccarani M, Martinelli G. Curr Hematol Malig Rep. 2012 Jun;7(2):133-43. doi: 10.1007/s11899-012-0122-5. PMID: 22528731 Free PMC article. Review.

[Efficacy of Azacitidine in the treatment of adult patients aged 65 years or older with AML.](#)

Tenti E, **Papayannidis C**, Marconi G, Parisi S, Simonetti G, Paolini S, Sartor C, Ottaviani E, Testoni N, Martinelli G. Expert Opin Pharmacother. 2016 Dec;17(18):2479-2486. doi: 10.1080/14656566.2016.1258056. Epub 2016 Nov 21. PMID: 27829292 Review.

[Molecular and chromosomal alterations: new therapies for relapsed acute myeloid leukemia.](#)

Palmisano M, Grafone T, Renzulli M, Ottaviani E, Testoni N, Paolini S, **Papayannidis C**, Baccarani M, Martinelli G. Hematology. 2008 Feb;13(1):1-12. doi: 10.1179/102453308X315753. PMID: 18534059 Review.

[Use of single nucleotide polymorphism array technology to improve the identification of chromosomal lesions in leukemia.](#)

Iacobucci I, Lonetti A, **Papayannidis C**, Martinelli G. *Curr Cancer Drug Targets*. 2013 Sep;13(7):791-810. doi: 10.2174/15680096113139990089. PMID: 23941516 Free PMC article. Review.

[Familial occurrence of systemic and cutaneous mastocytosis in an adult multicentre series.](#)

Tanasi I, Bonifacio M, Pizzolato M, Irene Grifoni F, Sciumè M, Elena C, Benvenuti P, Mannelli F, Parente R, Schena D, Scaffidi L, Bonadonna P, **Papayannidis C**, Rondoni M, Criscuolo M, Vannucchi AM, Triggiani M, Martinelli G, Krampera M, Zanotti R. *Br J Haematol*. 2021 May;193(4):845-848. doi: 10.1111/bjh.17405. Epub 2021 Mar 22. PMID: 33754335 Clinical Trial. No abstract available.

[An IDO1-related immune gene signature predicts overall survival in acute myeloid leukemia.](#)

Ragaini S, Wagner S, Marconi G, Parisi S, Sartor C, Nanni J, Cristiano G, Talami A, Olivi M, Ocadlikova D, Ciciarello M, Corradi G, Ottaviani E, **Papayannidis C**, Paolini S, Vadakekolathu J, Cavo M, Rutella S, Curti A. *Blood Adv*. 2022 Jan 11;6(1):87-99. doi: 10.1182/bloodadvances.2021004878. PMID: 34535017 Free PMC article.

[Next-generation sequencing improves BCR-ABL1 mutation detection in Philadelphia chromosome-positive acute lymphoblastic leukaemia.](#)

Soverini S, Martelli M, Bavaro L, De Benedittis C, **Papayannidis C**, Sartor C, Sorà F, Albano F, Galimberti S, Abruzzese E, Annunziata M, Russo S, Stulle M, Imovilli A, Bonifacio M, Maino E, Stagno F, Maria Basilio C, Borlenghi E, Fozza C, Mignone F, Minari R, Stella S, Baccarani M, Cavo M, Martinelli G. *Br J Haematol*. 2021 Apr;193(2):271-279. doi: 10.1111/bjh.17301. Epub 2021 Jan 6. PMID: 33403687

[Rationale for a pediatric-inspired approach in the adolescent and young adult population with acute lymphoblastic leukemia, with a focus on asparaginase treatment.](#)

Rizzari C, Putti MC, Colombini A, Casagrande S, Ferrari GM, **Papayannidis C**, Iacobucci I, Abbenante MC, Sartor C, Martinelli G. *Hematol Rep*. 2014 Sep 30;6(3):5554. doi: 10.4081/hr.2014.5554. eCollection 2014 Aug 26. PMID: 25317319 Free PMC article. Review.

[Pharmacological Inhibition of WIP1 Sensitizes Acute Myeloid Leukemia Cells to the MDM2 Inhibitor Nutlin-3a.](#)

Fontana MC, Nanni J, Ghelli Luserna di Rorà A, Petracci E, Padella A, Ghetti M, Ferrari A, Marconi G, Soverini S, Iacobucci I, **Papayannidis C**, Curti A, Audisio E, Giannini MB, Rondoni M, Lanza F, Cavo M, Martinelli G, Simonetti G. *Biomedicines*. 2021 Apr 6;9(4):388. doi: 10.3390/biomedicines9040388. PMID: 33917342 Free PMC article.

[Daratumumab with or without chemotherapy in relapsed and refractory acute lymphoblastic leukemia. A retrospective observational Campus Acute Lymphoblastic Leukemia study.](#)

Cerrano M, Bonifacio M, Olivi M, Curti A, Malagola M, Dargenio M, Scattolin AM, **Papayannidis C**, Forghieri F, Gurrieri C, Tanasi I, Zappasodi P, La Starza R, Fracchiolla NS, Chiusolo P, Giaccone L, Del Principe MI, Giglio F, Defina M, Favre C, Rizzari C, Castella B, Pizzolo G, Ferrara F, Chiaretti S, Foà R. *Haematologica*. 2022 Jan 13. doi: 10.3324/haematol.2021.279851. Online ahead of print. PMID: 35021604

[Case Report: A Novel Activating FLT3 Mutation in Acute Myeloid Leukemia.](#)

Bruno S, Bandini L, Patuelli A, Robustelli V, Venturi C, Mancini M, Forte D, De Santis S, Monaldi C, Grassi A, Chiurumbolo G, Paolini S, Cristiano G, **Papayannidis C**, Sartor C, Nanni J, Ottaviani E, Curti A, Cavo M, Soverini S. *Front Oncol.* 2021 Sep 30;11:728613. doi: 10.3389/fonc.2021.728613. eCollection 2021. PMID: 34660293 Free PMC article.

[Loss of PALB2 predicts poor prognosis in acute myeloid leukemia and suggests novel therapeutic strategies targeting the DNA repair pathway.](#)

Padella A, Fontana MC, Marconi G, Fonzi E, Petracci E, Ferrari A, Baldazzi C, **Papayannidis C**, Ghelli Luserna Di Rorà A, Testoni N, Castellani G, Haferlach T, Martinelli G, Simonetti G. *Blood Cancer J.* 2021 Jan 7;11(1):7. doi: 10.1038/s41408-020-00396-x. PMID: 33414401 Free PMC article. No abstract available.

[Safety profile and impact on survival of tyrosine kinase inhibitors versus conventional therapy in relapse or refractory FLT3 positive acute myeloid leukemia patients.](#)

Marconi G, De Polo S, Martinelli G, Nanni J, Bertamini L, Talami A, Olivi M, Ragaini S, Abbenante MC, Sartor C, Ottaviani E, Bochicchio MT, Parisi S, Fontana MC, Cristiano G, Raffini M, Baldazzi C, Testoni N, Bonifazi F, Paolini S, Curti A, Cavo M, **Papayannidis C**. *Leuk Res.* 2021 Feb;101:106497. doi: 10.1016/j.leukres.2020.106497. Epub 2020 Dec 25. PMID: 33385697 Clinical Trial.

[The Italian Mastocytosis Registry: 6-year experience from a hospital-based registry.](#)

Merante S, Ferretti VV, Elena C, Brazzelli V, Zanotti R, Neri I, Magliacane D, Belloni Fortina A, Ingeborg F, Pastorello EA, Pieri L, **Papayannidis C**, Mauro M, Grifoni F, Minelli R, Guggiari E, Difonzo E, Bocchia M, Caroppo F, Di Nuzzo S, Elli EM, Rondoni M, Ciccocioppo R, Di Stefano M, Bossi G, Boveri E, Bonadonna P, Giona F, Valent P, Triggiani M. *Future Oncol.* 2018 Nov;14(26):2713-2723. doi: 10.2217/fon-2018-0291. Epub 2018 Sep 12. PMID: 30207489

[Clinical Efficacy of Ponatinib in Philadelphia-Positive T-Cell Acute Lymphoblastic Leukemia with Extramedullary Involvement.](#)

Cristiano G, Nanni J, Sartor C, Parisi S, Marconi G, Barbato F, Arpinati M, Bonifazi F, Curti A, Cavo M, Paolini S, **Papayannidis C**. *Acta Haematol.* 2021;144(6):688-692. doi: 10.1159/000516003. Epub 2021 Jun 15. PMID: 34130278

[Targeting WEE1 to enhance conventional therapies for acute lymphoblastic leukemia.](#)

Ghelli Luserna Di Rorà A, Beeharry N, Imbrogno E, Ferrari A, Robustelli V, Righi S, Sabattini E, Verga Falzacappa MV, Ronchini C, Testoni N, Baldazzi C, **Papayannidis C**, Abbenante MC, Marconi G, Paolini S, Parisi S, Sartor C, Fontana MC, De Matteis S, Iacobucci I, Pelicci PG, Cavo M, Yen TJ, Martinelli G. *J Hematol Oncol.* 2018 Aug 1;11(1):99. doi: 10.1186/s13045-018-0641-1. PMID: 30068368 Free PMC article.

[Synergism Through WEE1 and CHK1 Inhibition in Acute Lymphoblastic Leukemia.](#)

Ghelli Luserna Di Rorà A, Bocconcelli M, Ferrari A, Terragna C, Bruno S, Imbrogno E, Beeharry N, Robustelli V, Ghetti M, Napolitano R, Chiurumbolo G, Marconi G, **Papayannidis C**, Paolini S, Sartor C, Simonetti G, Yen TJ, Martinelli G. *Cancers (Basel).* 2019 Oct 25;11(11):1654. doi: 10.3390/cancers11111654. PMID: 31717700 Free PMC article.

[Myeloid sarcoma of liver: an unusual cause of jaundice. Report of three cases and review of literature.](#)

Piccaluga PP, Ascani S, Agostinelli C, Paolini S, Laterza C, **Papayannidis C**, Martinelli G, Visani G, Baccarani M, Pileri SA. *Histopathology*. 2007 May;50(6):802-5. doi: 10.1111/j.1365-2559.2007.02645.x. Epub 2007 Mar 13. PMID: 17355272 Review. No abstract available.

[Inotuzumab ozogamicin and donor lymphocyte infusion is a safe and promising combination in relapsed acute lymphoblastic leukemia after allogeneic stem cell transplant.](#)

**Papayannidis C**, Sartor C, Dominietto A, Zappone E, Arpinati M, Marconi G, Cristiano G, Nanni J, Parisi S, Barbato F, Paolini S, Soverini S, Terragna C, Robustelli V, Testoni N, Chirumbolo G, Curti A, Cavo M, Bonifazi F. *Hematol Oncol*. 2021 Oct;39(4):580-583. doi: 10.1002/hon.2886. Epub 2021 May 7. PMID: 33963566 No abstract available.

[Hypomethylating Agents \(HMAs\) as Salvage Therapy in Relapsed or Refractory AML: An Italian Multicentric Retrospective Study.](#)

Lessi F, Laurino M, **Papayannidis C**, Vitagliano O, Grimaldi F, Lazzarotto D, Gottardi M, Crisà E, Riva M, Reda G, Ermani M, Semenzato G, Trentin L, Ferrara F. *Biomedicines*. 2021 Aug 6;9(8):972. doi: 10.3390/biomedicines9080972. PMID: 34440176 Free PMC article.

[Adrenomedullin Expression Characterizes Leukemia Stem Cells and Associates With an Inflammatory Signature in Acute Myeloid Leukemia.](#)

Simonetti G, Angeli D, Petracci E, Fonzi E, Vedovato S, Sperotto A, Padella A, Ghetti M, Ferrari A, Robustelli V, Di Liddo R, Conconi MT, **Papayannidis C**, Cerchione C, Rondoni M, Astolfi A, Ottaviani E, Martinelli G, Gottardi M. *Front Oncol*. 2021 Jun 2;11:684396. doi: 10.3389/fonc.2021.684396. eCollection 2021. PMID: 34150648 Free PMC article.

[BCR-ABL1 compound mutants: prevalence, spectrum and correlation with tyrosine kinase inhibitor resistance in a consecutive series of Philadelphia chromosome-positive leukemia patients analyzed by NGS.](#)

Soverini S, Martelli M, Bavaro L, De Benedittis C, Sica S, Sorà F, Iurlo A, Bonifacio M, Pregno P, Galimberti S, Lunghi F, Albano F, D'Adda M, Crugnola M, Capodanno I, Castagnetti F, Gugliotta G, **Papayannidis C**, Rosti G, Percesepe A, Mignone F, Baccarani M, Martinelli G, Cavo M. *Leukemia*. 2021 Jul;35(7):2102-2107. doi: 10.1038/s41375-020-01098-w. Epub 2020 Dec 1. PMID: 33262525 No abstract available.

[Integrated genomic-metabolic classification of acute myeloid leukemia defines a subgroup with NPM1 and cohesin/DNA damage mutations.](#)

Simonetti G, Mengucci C, Padella A, Fonzi E, Picone G, Delpino C, Nanni J, De Tommaso R, Franchini E, **Papayannidis C**, Marconi G, Pazzaglia M, Perricone M, Scarpi E, Fontana MC, Bruno S, Tebaldi M, Ferrari A, Bochicchio MT, Ghelli Luserna Di Rorà A, Ghetti M, Napolitano R, Astolfi A, Baldazzi C, Guadagnuolo V, Ottaviani E, Iacobucci I, Cavo M, Castellani G, Haferlach T, Remondini D, Capozzi F, Martinelli G. *Leukemia*. 2021 Oct;35(10):2813-2826. doi: 10.1038/s41375-021-01318-x. Epub 2021 Jun 30. PMID: 34193978 Free PMC article.

[Impact of infectious comorbidity and overall time of hospitalization in total outpatient management of acute myeloid leukemia patients following venetoclax and hypomethylating agents.](#)

**Papayannidis C**, Nanni J, Cristiano G, Marconi G, Sartor C, Parisi S, Zannoni L, Saed R, Ottaviani E, Bandini L, Testoni N, Baldazzi C, Solli V, Ricci P, Di Giovanni Bezzi C, Abd-Atif R, Stanzani M, Paolini S, Cavo M, Curti A. *Eur J Haematol*. 2022 Feb 14. doi: 10.1111/ejh.13753. Online ahead of print. PMID: 35156731

[Leukemia cutis in a Ph+ ALL patient treated with ponatinib.](#)

Pileri A, **Papayannidis C**, Messori S, Bacci F, Sagramoso CA, Martinelli G, Patrizi A. *G Ital Dermatol Venereol.* 2018 Oct;153(5):730-731. doi: 10.23736/S0392-0488.17.05647-4. PMID: 30246954 No abstract available.

[Chromothripsis in acute myeloid leukemia: biological features and impact on survival.](#)

Fontana MC, Marconi G, Feenstra JDM, Fonzi E, **Papayannidis C**, Ghelli Luserna di Rorá A, Padella A, Solli V, Franchini E, Ottaviani E, Ferrari A, Baldazzi C, Testoni N, Iacobucci I, Soverini S, Haferlach T, Guadagnuolo V, Semerad L, Doubek M, Steurer M, Racil Z, Paolini S, Manfrini M, Cavo M, Simonetti G, Kralovics R, Martinelli G. *Leukemia.* 2018 Jul;32(7):1609-1620. doi: 10.1038/s41375-018-0035-y. Epub 2018 Feb 23. PMID: 29472722 Free PMC article.

[INCB84344-201: Ponatinib and steroids in frontline therapy of unfit patients with Ph+ acute lymphoblastic leukemia.](#)

Martinelli G, **Papayannidis C**, Piciocchi A, Robustelli V, Soverini S, Terragna C, Marconi G, Lemoli RM, Guolo F, Fornaro A, Lunghi M, de Fabritiis P, Candoni A, Selleri C, Simonetti F, Bocchia M, Vitale A, Frison L, Tedeschi A, Cuneo A, Bonifacio M, Martelli MP, D'Ardia S, Trappolini S, Tosi P, Galieni P, Fabbiano F, Abbenante MC, Granier M, Zhu Z, Wang M, Sartor C, Paolini S, Cavo M, Foà R, Fazi P, Vignetti M, Baccarani M. *Blood Adv.* 2021 Oct 14:bloodadvances.2021004821. doi: 10.1182/bloodadvances.2021004821. Online ahead of print. PMID: 34649276

[Murine double minute 2 inhibition alone or with cytarabine in acute myeloid leukemia: Results from an idasanutlin phase 1/1b study\\*.](#)

Yee K, **Papayannidis C**, Vey N, Dickinson MJ, Kelly KR, Assouline S, Kasner M, Seiter K, Drummond MW, Yoon SS, Lee JH, Blotner S, Jukofsky L, Pierceall WE, Zhi J, Simon S, Higgins B, Nichols G, Monnet A, Muehlbauer S, Ott M, Chen LC, Martinelli G. *Leuk Res.* 2021 Jan;100:106489. doi: 10.1016/j.leukres.2020.106489. Epub 2020 Dec 1. PMID: 33302031 Clinical Trial.

[Outcome of relapsed or refractory acute B-lymphoblastic leukemia patients and BCR-ABL positive blast cell crisis of B-lymphoid lineage with extramedullary disease receiving inotuzumab ozogamicin.](#)

Kayser S, Sartor C, Luskun MR, Webster J, Giglio F, Panitz N, Brunner AM, Fante M, Lutz C, Wolff D, Ho AD, Levis MJ, Schlenk RF, **Papayannidis C**. *Haematologica.* 2022 Feb 10. doi: 10.3324/haematol.2021.280433. Online ahead of print. PMID: 35142153

[Real-World Multicenter Experience in Tumor Debulking Prior to Blinatumomab Administration in Adult Patients With Relapsed/Refractory B-Cell Precursor Acute Lymphoblastic Leukemia.](#)

Bonifacio M, **Papayannidis C**, Lussana F, Fracchiolla N, Annunziata M, Sica S, Delia M, Foà R, Pizzolo G, Chiaretti S. *Front Oncol.* 2022 Jan 6;11:804714. doi: 10.3389/fonc.2021.804714. eCollection 2021. PMID: 35071008 Free PMC article.

[Assessment of liver stiffness measurement and ultrasound findings change during inotuzumab ozogamicin cycles for relapsed or refractory acute lymphoblastic leukemia.](#)

Ravaioli F, Marconi G, Martinelli G, Dajti E, Sartor C, Abbenante MC, Alemanni LV, Nanni J, Rossini B, Parisi S, Colecchia L, Cristiano G, Marasco G, Vestito A, Paolini S, Bonifazi F, Curti A, Festi D, Cavo M, Colecchia A, **Papayannidis C**. *Cancer Med.* 2022 Feb;11(3):618-629. doi: 10.1002/cam4.4390. Epub 2021 Dec 30. PMID: 34970853 Free PMC article.

[SETD2 and histone H3 lysine 36 methylation deficiency in advanced systemic mastocytosis.](#)

Martinelli G, Mancini M, De Benedittis C, Rondoni M, **Papayannidis C**, Manfrini M, Meggendorfer M, Calogero R, Guadagnuolo V, Fontana MC, Bavaro L, Padella A, Zago E, Pagano L, Zanotti R, Scaffidi L, Specchia G, Albano F, Merante S, Elena C, Savini P, Gangemi D, Tosi P, Ciceri F, Poletti G, Riccioni L, Morigi F, Delledonne M, Haferlach T, Cavo M, Valent P, Soverini S. *Leukemia*. 2018 Jan;32(1):139-148. doi: 10.1038/leu.2017.183. Epub 2017 Jun 16. PMID: 28663576 Free PMC article.

[Correction to: Clinical benefit of glasdegib plus low-dose cytarabine in patients with de novo and secondary acute myeloid leukemia: long-term analysis of a phase II randomized trial.](#)

Heuser M, Smith BD, Fiedler W, Sekeres MA, Montesinos P, Leber B, Merchant A, **Papayannidis C**, Pérez-Simón JA, Hoang CJ, O'Brien T, Ma WW, Zeremski M, O'Connell A, Chan G, Cortes JE. *Ann Hematol*. 2021 Jul;100(7):1917-1918. doi: 10.1007/s00277-021-04545-5. PMID: 33978823 Free PMC article. No abstract available.

[MIRROS: a randomized, placebo-controlled, Phase III trial of cytarabine ± idasanutlin in relapsed or refractory acute myeloid leukemia.](#)

Montesinos P, Beckermann BM, Catalani O, Esteve J, Gamel K, Konopleva MY, Martinelli G, Monnet A, **Papayannidis C**, Park A, Récher C, Rodríguez-Veiga R, Röllig C, Vey N, Wei AH, Yoon SS, Fenaux P. *Future Oncol*. 2020 May;16(13):807-815. doi: 10.2217/fon-2020-0044. Epub 2020 Mar 13. PMID: 32167393 Clinical Trial.

[Safety and efficacy of talacotuzumab plus decitabine or decitabine alone in patients with acute myeloid leukemia not eligible for chemotherapy: results from a multicenter, randomized, phase 2/3 study.](#)

Montesinos P, Roboz GJ, Bulabois CE, Subklewe M, Platzbecker U, Ofran Y, **Papayannidis C**, Wierzbowska A, Shin HJ, Doronin V, Deneberg S, Yeh SP, Ozcan MA, Knapper S, Cortes J, Pollyea DA, Ossenkoppele G, Giralt S, Döhner H, Heuser M, Xiu L, Singh I, Huang F, Larsen JS, Wei AH. *Leukemia*. 2021 Jan;35(1):62-74. doi: 10.1038/s41375-020-0773-5. Epub 2020 Mar 16. PMID: 32203138 Free PMC article. Clinical Trial.

[Clinical and experimental efficacy of gemtuzumab ozogamicin in core binding factor acute myeloid leukemia.](#)

Gottardi M, Mosna F, de Angeli S, **Papayannidis C**, Candoni A, Clavio M, Tecchio C, Piccin A, dell'Orto MC, Benedetti F, Martinelli G, Gherlinzoni F. *Hematol Rep*. 2017 Sep 26;9(3):7029. doi: 10.4081/hr.2017.7028. eCollection 2017 Sep 26. PMID: 29071049 Free PMC article. No abstract available.

[Identification of Two DNMT3A Mutations Compromising Protein Stability and Methylation Capacity in Acute Myeloid Leukemia.](#)

Bruno S, Bochicchio MT, Franchini E, Padella A, Marconi G, Ghelli Luserna di Rorà A, Venturi C, Raffini M, Prisinzano G, Ferrari A, Bandini L, Robustelli V, Pazzaglia M, Fontana MC, Sartor C, Abbenante MC, **Papayannidis C**, Soverini S, Ottaviani E, Simonetti G, Martinelli G. *J Oncol*. 2019 Oct 30;2019:5985923. doi: 10.1155/2019/5985923. eCollection 2019. PMID: 31827512 Free PMC article.

[Long-Term Outcome After Adoptive Immunotherapy With Natural Killer Cells: Alloreactive NK Cell Dose Still Matters.](#)



Parisi S, Ruggeri L, Dan E, Rizzi S, Sinigaglia B, Ocadlikova D, Bontadini A, Giudice V, Urbani E, Ciardelli S, Sartor C, Cristiano G, Nanni J, Zannoni L, Chirumbolo G, Arpinati M, Lewis RE, Bonifazi F, Marconi G, Martinelli G, **Papayannidis C**, Paolini S, Velardi A, Cavo M, Lemoli RM, Curti A. *Front Immunol*. 2022 Jan 31;12:804988. doi: 10.3389/fimmu.2021.804988. eCollection 2021. PMID: 35173709 Free PMC article.

[Tumour-derived PGD2 and NKp30-B7H6 engagement drives an immunosuppressive ILC2-MDSC axis.](#)

Trabanelli S, Chevalier MF, Martinez-Usatorre A, Gomez-Cadena A, Salomé B, Lecciso M, Salvestrini V, Verdeil G, Racle J, **Papayannidis C**, Morita H, Pizzitola I, Grandclément C, Bohner P, Bruni E, Girotra M, Pallavi R, Falvo P, Leibundgut EO, Baerlocher GM, Carlo-Stella C, Taurino D, Santoro A, Spinelli O, Rambaldi A, Giarin E, Basso G, Tresoldi C, Ciceri F, Gfeller D, Akdis CA, Mazzarella L, Minucci S, Pelicci PG, Marcenaro E, McKenzie ANJ, Vanhecke D, Coukos G, Mavilio D, Curti A, Derré L, Jandus C. *Nat Commun*. 2017 Sep 19;8(1):593. doi: 10.1038/s41467-017-00678-2. PMID: 28928446 Free PMC article.

[Novel and Rare Fusion Transcripts Involving Transcription Factors and Tumor Suppressor Genes in Acute Myeloid Leukemia.](#)

Padella A, Simonetti G, Paciello G, Giotopoulos G, Baldazzi C, Righi S, Ghetti M, Stengel A, Guadagnuolo V, De Tommaso R, **Papayannidis C**, Robustelli V, Franchini E, Rorà AGLD, Ferrari A, Fontana MC, Bruno S, Ottaviani E, Soverini S, Storlazzi CT, Haferlach C, Sabattini E, Testoni N, Iacobucci I, Huntly BJP, Ficarra E, Martinelli G. *Cancers (Basel)*. 2019 Dec 5;11(12):1951. doi: 10.3390/cancers11121951. PMID: 31817495 Free PMC article.

[Aneuploid acute myeloid leukemia exhibits a signature of genomic alterations in the cell cycle and protein degradation machinery.](#)

Simonetti G, Padella A, do Valle IF, Fontana MC, Fonzi E, Bruno S, Baldazzi C, Guadagnuolo V, Manfrini M, Ferrari A, Paolini S, **Papayannidis C**, Marconi G, Franchini E, Zuffa E, Laginestra MA, Zanotti F, Astolfi A, Iacobucci I, Bernardi S, Sazzini M, Ficarra E, Hernandez JM, Vandenberghe P, Cools J, Bullinger L, Ottaviani E, Testoni N, Cavo M, Haferlach T, Castellani G, Remondini D, Martinelli G. *Cancer*. 2019 Mar 1;125(5):712-725. doi: 10.1002/cncr.31837. Epub 2018 Nov 27. PMID: 30480765 Free PMC article.

[Combined Inhibition of Polo-Like Kinase-1 and Wee1 as a New Therapeutic Strategy to Induce Apoptotic Cell Death in Neoplastic Mast Cells.](#)

Mancini M, Monaldi C, De Santis S, Rondoni M, **Papayannidis C**, Sartor C, Curti A, Bruno S, Cavo M, Soverini S. *Cancers (Basel)*. 2022 Jan 31;14(3):738. doi: 10.3390/cancers14030738. PMID: 35159005 Free PMC article.

[MEC \(mitoxantrone, etoposide, and cytarabine\) induces complete remission and is an effective bridge to transplant in acute myeloid leukemia.](#)

Marconi G, Talami A, Abbenante MC, Sartor C, Parisi S, Nanni J, Bertamini L, Ragaini S, Olivi M, de Polo S, Cristiano G, Fontana MC, Bochicchio MT, Ottaviani E, Arpinati M, Sessa M, Baldazzi C, Caso L, Testoni N, Baccarani M, Bonifazi F, Martinelli G, Paolini S, Cavo M, **Papayannidis C**, Curti A. *Eur J Haematol*. 2020 Jul;105(1):47-55. doi: 10.1111/ejh.13406. Epub 2020 Apr 7. PMID: 32145118

[FGFR1 and KAT6A rearrangements in patients with hematological malignancies and chromosome 8p11 abnormalities: biological and clinical features.](#)

Baldazzi C, Luatti S, Paolini S, **Papayannidis C**, Marzocchi G, Ameli G, Martinelli G, Cavo M, Testoni N. Am J Hematol. 2016 Mar;91(3):E14-6. doi: 10.1002/ajh.24276. PMID: 26667788 No abstract available.

[Clinical impact of low-burden BCR-ABL1 mutations detectable by amplicon deep sequencing in Philadelphia-positive acute lymphoblastic leukemia patients.](#)

Soverini S, De Benedittis C, **Papayannidis C**, Polakova KM, Venturi C, Russo D, Bresciani P, Iurlo A, Mancini M, Vitale A, Chiaretti S, Foà R, Abruzzese E, Sorà F, Kohlmann A, Haferlach T, Baccarani M, Cavo M, Martinelli G. Leukemia. 2016 Jul;30(7):1615-9. doi: 10.1038/leu.2016.17. Epub 2016 Feb 12. PMID: 26867670 No abstract available.

[Clinical presentation and management practice of systemic mastocytosis. A survey on 460 Italian patients.](#)

Pieri L, Bonadonna P, Elena C, **Papayannidis C**, Grifoni FI, Rondoni M, Girlanda S, Mauro M, Magliacane D, Elli EM, Iorno ML, Almerigogna F, Scarfi F, Salerno R, Fanelli T, Gesullo F, Corbizi Fattori G, Bonifacio M, Perbellini O, Artuso A, Soverini S, De Benedittis C, Muratori S, Pravettoni V, Cova V, Cortellini G, Ciceri F, Cortelezzi A, Martinelli G, Triggiani M, Merante S, Vannucchi AM, Zanotti R. Am J Hematol. 2016 Jul;91(7):692-9. doi: 10.1002/ajh.24382. Epub 2016 Jun 2. PMID: 27060898

[Low-Dose Anti-T Lymphoglobulin as Prophylaxis for Graft-versus-Host Disease in Unrelated Donor Transplantations for Acute Leukemias and Myelodysplastic Syndromes.](#)

Bonifazi F, Olivieri J, Sessa M, Dan E, Sinigaglia B, Rizzi S, Motta MR, Bontadini A, Ulbar F, Giudice V, **Papayannidis C**, Curti A, Chierighin A, Lazzarotto T, Cavo M, Arpinati M. Biol Blood Marrow Transplant. 2018 Dec;24(12):2450-2458. doi: 10.1016/j.bbmt.2018.07.011. Epub 2018 Jul 17. PMID: 30026107

[Epigenetically induced ectopic expression of UNCX impairs the proliferation and differentiation of myeloid cells.](#)

Daniele G, Simonetti G, Fusilli C, Iacobucci I, Lonoce A, Palazzo A, Lomiento M, Mammoli F, Marsano RM, Marasco E, Mantovani V, Quentmeier H, Drexler HG, Ding J, Palumbo O, Carella M, Nadarajah N, Perricone M, Ottaviani E, Baldazzi C, Testoni N, **Papayannidis C**, Ferrari S, Mazza T, Martinelli G, Storlazzi CT. Haematologica. 2017 Jul;102(7):1204-1214. doi: 10.3324/haematol.2016.163022. Epub 2017 Apr 14. PMID: 28411256 Free PMC article.

[Comparative analysis of azacitidine and intensive chemotherapy as front-line treatment of elderly patients with acute myeloid leukemia.](#)

Maurillo L, Buccisano F, Spagnoli A, Voso MT, Fianchi L, **Papayannidis C**, Gaidano GL, Breccia M, Musto P, De Bellis E, Del Principe MI, Lunghi M, Lessi F, Martinelli G, Venditti A. Ann Hematol. 2018 Oct;97(10):1767-1774. doi: 10.1007/s00277-018-3374-x. Epub 2018 Jun 10. PMID: 29947973

[Inotuzumab ozogamicin is effective in relapsed/refractory extramedullary B acute lymphoblastic leukemia.](#)

Bertamini L, Nanni J, Marconi G, Abbenante M, Robustelli V, Bacci F, Matti A, Paolini S, Sartor C, Monaco SL, Fontana MC, De Polo S, Cavo M, Curti A, Martinelli G, **Papayannidis C**. BMC Cancer. 2018 Nov 15;18(1):1117. doi: 10.1186/s12885-018-5026-x. PMID: 30442119 Free PMC article.

[AICDA expression in BCR/ABL1-positive acute lymphoblastic leukaemia is associated with a peculiar gene expression profile.](#)

Messina M, Chiaretti S, Iacobucci I, Tavoraro S, Lonetti A, Santangelo S, Elia L, **Papayannidis C**, Paoloni F, Vitale A, Guarini A, Martinelli G, Foà R. *Br J Haematol*. 2011 Mar;152(6):727-32. doi: 10.1111/j.1365-2141.2010.08449.x. Epub 2011 Jan 31. PMID: 21623761

[In vitro and in vivo single-agent efficacy of checkpoint kinase inhibition in acute lymphoblastic leukemia.](#)

Iacobucci I, Di Rorà AG, Falzacappa MV, Agostinelli C, Derenzini E, Ferrari A, **Papayannidis C**, Lonetti A, Righi S, Imbrogno E, Pomella S, Venturi C, Guadagnuolo V, Cattina F, Ottaviani E, Abbenante MC, Vitale A, Elia L, Russo D, Zinzani PL, Pileri S, Pelicci PG, Martinelli G. *J Hematol Oncol*. 2015 Nov 5;8:125. doi: 10.1186/s13045-015-0206-5. PMID: 26542114 Free PMC article.

[Complex chromosomal rearrangements leading to MECOM overexpression are recurrent in myeloid malignancies with various 3q abnormalities.](#)

Baldazzi C, Luatti S, Zuffa E, **Papayannidis C**, Ottaviani E, Marzocchi G, Ameli G, Bardi MA, Bonaldi L, Paolini R, Gurrieri C, Rigolin GM, Cuneo A, Martinelli G, Cavo M, Testoni N. *Genes Chromosomes Cancer*. 2016 Apr;55(4):375-88. doi: 10.1002/gcc.22341. Epub 2016 Jan 27. PMID: 26815134

[\[Molecular biology in myelodysplastic syndromes and acute myeloid leukemias "smoldering"\].](#)

Martinelli G, Sartor C, **Papayannidis C**, Iacobucci I, Paolini S, Clissa C, Ottaviani E, Finelli C. *Recenti Prog Med*. 2014 Mar;105(3):118-22. doi: 10.1701/1434.15873. PMID: 24675454 Italian.

[IL-17/IL-10 double-producing T cells: new link between infections, immunosuppression and acute myeloid leukemia.](#)

Musuraca G, De Matteis S, Napolitano R, **Papayannidis C**, Guadagnuolo V, Fabbri F, Cangini D, Ceccolini M, Giannini MB, Lucchesi A, Ronconi S, Mariotti P, Savini P, Tani M, Fattori PP, Guidoboni M, Martinelli G, Zoli W, Amadori D, Carloni S. *J Transl Med*. 2015 Jul 15;13:229. doi: 10.1186/s12967-015-0590-1. PMID: 26174551 Free PMC article.

[A Phase 1 study of the novel gamma-secretase inhibitor PF-03084014 in patients with T-cell acute lymphoblastic leukemia and T-cell lymphoblastic lymphoma.](#)

**Papayannidis C**, DeAngelo DJ, Stock W, Huang B, Shaik MN, Cesari R, Zheng X, Reynolds JM, English PA, Ozeck M, Aster JC, Kuo F, Huang D, Lira PD, McLachlan KR, Kern KA, Garcia-Manero G, Martinelli G. *Blood Cancer J*. 2015 Sep 25;5(9):e350. doi: 10.1038/bcj.2015.80. PMID: 26407235 Free PMC article. Clinical Trial. No abstract available.

[Successful combination treatment of clofarabine, cytarabine, and gemtuzumab-ozogamicin in adult refractory B-acute lymphoblastic leukemia.](#)

**Papayannidis C**, Derenzini E, Iacobucci I, Curti A, Paolini S, Cilloni D, Baccarani M, Martinelli G. *Am J Hematol*. 2009 Dec;84(12):849-50. doi: 10.1002/ajh.21548. PMID: 19844989 Free article. No abstract available.

[CDKN2A/B alterations impair prognosis in adult BCR-ABL1-positive acute lymphoblastic leukemia patients.](#)

Iacobucci I, Ferrari A, Lonetti A, **Papayannidis C**, Paoloni F, Trino S, Storlazzi CT, Ottaviani E, Cattina F, Impera L, Abbenante MC, Vignetti M, Vitale A, Potenza L, Paolini S, Soverini S, Pane F, Luppi M,

Foà R, Baccarani M, Martinelli G. Clin Cancer Res. 2011 Dec 1;17(23):7413-23. doi: 10.1158/1078-0432.CCR-11-1227. PMID: 22134481

[Phase I clinical study of RG7356, an anti-CD44 humanized antibody, in patients with acute myeloid leukemia.](#)

Vey N, Delaunay J, Martinelli G, Fiedler W, Raffoux E, Prebet T, Gomez-Roca C, **Papayannidis C**, Kebenko M, Paschka P, Christen R, Guarin E, Bröske AM, Baehner M, Brewster M, Walz AC, Michielin F, Runza V, Meresse V, Recher C. Oncotarget. 2016 May 31;7(22):32532-42. doi: 10.18632/oncotarget.8687. PMID: 27081038 Free PMC article. Clinical Trial.

[Allogeneic stem cell transplantation for advanced acute promyelocytic leukemia in the ATRA and ATO era.](#)

Ramadan SM, Di Veroli A, Camboni A, Breccia M, Iori AP, Aversa F, Cupelli L, **Papayannidis C**, Bacigalupo A, Arcese W, Lo-Coco F. Haematologica. 2012 Nov;97(11):1731-5. doi: 10.3324/haematol.2012.065714. Epub 2012 Jun 11. PMID: 22689684 Free PMC article. Clinical Trial.

[Flai \(fludarabine, cytarabine, idarubicin\) plus low-dose Gemtuzumab Ozogamicin as induction therapy in CD33-positive AML: Final results and long term outcome of a phase II multicenter clinical trial.](#)

Candoni A, **Papayannidis C**, Martinelli G, Simeone E, Gottardi M, Iacobucci I, Gherlinzoni F, Visani G, Baccarani M, Fanin R. Am J Hematol. 2018 May;93(5):655-663. doi: 10.1002/ajh.25057. Epub 2018 Mar 2. PMID: 29396857 Clinical Trial.

[Unraveling the complexity of tyrosine kinase inhibitor-resistant populations by ultra-deep sequencing of the BCR-ABL kinase domain.](#)

Soverini S, De Benedittis C, Machova Polakova K, Brouckova A, Horner D, Iacono M, Castagnetti F, Gugliotta G, Palandri F, **Papayannidis C**, Iacobucci I, Venturi C, Bochicchio MT, Klamova H, Cattina F, Russo D, Bresciani P, Binotto G, Giannini B, Kohlmann A, Haferlach T, Roller A, Rosti G, Cavo M, Baccarani M, Martinelli G. Blood. 2013 Aug 29;122(9):1634-48. doi: 10.1182/blood-2013-03-487728. Epub 2013 Jun 21. PMID: 23794064

[A polymorphism in the chromosome 9p21 ANRIL locus is associated to Philadelphia positive acute lymphoblastic leukemia.](#)

Iacobucci I, Sazzini M, Garagnani P, Ferrari A, Boattini A, Lonetti A, **Papayannidis C**, Mantovani V, Marasco E, Ottaviani E, Soverini S, Girelli D, Luiselli D, Vignetti M, Baccarani M, Martinelli G. Leuk Res. 2011 Aug;35(8):1052-9. doi: 10.1016/j.leukres.2011.02.020. Epub 2011 Mar 16. PMID: 21414664

[IKAROS deletions dictate a unique gene expression signature in patients with adult B-cell acute lymphoblastic leukemia.](#)

Iacobucci I, Iraci N, Messina M, Lonetti A, Chiaretti S, Valli E, Ferrari A, **Papayannidis C**, Paoloni F, Vitale A, Storlazzi CT, Ottaviani E, Guadagnuolo V, Durante S, Vignetti M, Soverini S, Pane F, Foà R, Baccarani M, Müschen M, Perini G, Martinelli G. PLoS One. 2012;7(7):e40934. doi: 10.1371/journal.pone.0040934. Epub 2012 Jul 25. PMID: 22848414 Free PMC article. Clinical Trial.

[Targeting the p53-MDM2 interaction by the small-molecule MDM2 antagonist Nutlin-3a: a new challenged target therapy in adult Philadelphia positive acute lymphoblastic leukemia patients.](#)

Trino S, Iacobucci I, Erriquez D, Laurenzana I, De Luca L, Ferrari A, Ghelli Luserna Di Rorà A, **Papayannidis C**, Derenzini E, Simonetti G, Lonetti A, Venturi C, Cattina F, Ottaviani E, Abbenante MC, Russo D, Perini G, Musto P, Martinelli G. *Oncotarget*. 2016 Mar 15;7(11):12951-61. doi: 10.18632/oncotarget.7339. PMID: 26887044 Free PMC article.

[Prexasertib, a Chk1/Chk2 inhibitor, increases the effectiveness of conventional therapy in B-/T- cell progenitor acute lymphoblastic leukemia.](#)

Ghelli Luserna Di Rorà A, Iacobucci I, Imbrogno E, **Papayannidis C**, Derenzini E, Ferrari A, Guadagnuolo V, Robustelli V, Parisi S, Sartor C, Abbenante MC, Paolini S, Martinelli G. *Oncotarget*. 2016 Aug 16;7(33):53377-53391. doi: 10.18632/oncotarget.10535. PMID: 27438145 Free PMC article.

[Next-generation sequencing for sensitive detection of BCR-ABL1 mutations relevant to tyrosine kinase inhibitor choice in imatinib-resistant patients.](#)

Soverini S, De Benedittis C, Polakova KM, Linhartova J, Castagnetti F, Gugliotta G, **Papayannidis C**, Mancini M, Klamova H, Salvucci M, Crugnola M, Iurlo A, Albano F, Russo D, Rosti G, Cavo M, Baccarani M, Martinelli G. *Oncotarget*. 2016 Apr 19;7(16):21982-90. doi: 10.18632/oncotarget.8010. PMID: 26980736 Free PMC article.

[Revealing very small FLT3 ITD mutated clones by ultra-deep sequencing analysis has important clinical implications in AML patients.](#)

Zuffa E, Franchini E, **Papayannidis C**, Baldazzi C, Simonetti G, Testoni N, Abbenante MC, Paolini S, Sartor C, Parisi S, Marconi G, Cattina F, Bochicchio MT, Venturi C, Ottaviani E, Cavo M, Martinelli G. *Oncotarget*. 2015 Oct 13;6(31):31284-94. doi: 10.18632/oncotarget.5161. PMID: 26384303 Free PMC article.

[A case report of acute myeloid leukemia and neurofibromatosis 1.](#)

Sartor C, **Papayannidis C**, Chiara Abbenante M, Curti A, Polverelli N, Ottaviani E, Iacobucci I, Guadagnuolo V, Martinelli G. *Hematol Rep*. 2013 Jul 3;5(2):28-9. doi: 10.4081/hr.2013.e8. Print 2013 Jun 28. PMID: 23888244 Free PMC article.

[Larger Size of Donor Alloreactive NK Cell Repertoire Correlates with Better Response to NK Cell Immunotherapy in Elderly Acute Myeloid Leukemia Patients.](#)

Curti A, Ruggeri L, Parisi S, Bontadini A, Dan E, Motta MR, Rizzi S, TrabANELLI S, Ocadlikova D, Lecciso M, Giudice V, Fruet F, Urbani E, **Papayannidis C**, Martinelli G, Bandini G, Bonifazi F, Lewis RE, Cavo M, Velardi A, Lemoli RM. *Clin Cancer Res*. 2016 Apr 15;22(8):1914-21. doi: 10.1158/1078-0432.CCR-15-1604. Epub 2016 Jan 19. PMID: 26787753 Clinical Trial.

[Treatment with PF-04449913, an oral smoothed antagonist, in patients with myeloid malignancies: a phase 1 safety and pharmacokinetics study.](#)

Martinelli G, Oehler VG, **Papayannidis C**, Courtney R, Shaik MN, Zhang X, O'Connell A, McLachlan KR, Zheng X, Radich J, Baccarani M, Kantarjian HM, Levin WJ, Cortes JE, Jamieson C. *Lancet Haematol*. 2015 Aug;2(8):e339-46. doi: 10.1016/S2352-3026(15)00096-4. Epub 2015 Jul 26. PMID: 26688487 Clinical Trial.

[Application of the whole-transcriptome shotgun sequencing approach to the study of Philadelphia-positive acute lymphoblastic leukemia.](#)

Iacobucci I, Ferrarini A, Sazzini M, Giacomelli E, Lonetti A, Xumerle L, Ferrari A, **Papayannidis C**, Malerba G, Luiselli D, Boattini A, Garagnani P, Vitale A, Soverini S, Pane F, Baccarani M, Delledonne M, Martinelli G. *Blood Cancer J.* 2012 Mar;2(3):e61. doi: 10.1038/bcj.2012.6. Epub 2012 Mar 9. PMID: 22829256 Free PMC article.

[Profiling of drug-metabolizing enzymes/transporters in CD33+ acute myeloid leukemia patients treated with Gemtuzumab-Ozogamicin and Fludarabine, Cytarabine and Idarubicin.](#)

Iacobucci I, Lonetti A, Candoni A, Sazzini M, **Papayannidis C**, Formica S, Ottaviani E, Ferrari A, Michelutti A, Simeone E, Astolfi A, Abbenante MC, Parisi S, Cattina F, Malagola M, Russo D, Damiani D, Gherlinzoni F, Gottardi M, Baccarani M, Fanin R, Martinelli G. *Pharmacogenomics J.* 2013 Aug;13(4):335-41. doi: 10.1038/tpj.2012.13. Epub 2012 May 15. PMID: 22584460

[Different isoforms of the B-cell mutator activation-induced cytidine deaminase are aberrantly expressed in BCR-ABL1-positive acute lymphoblastic leukemia patients.](#)

Iacobucci I, Lonetti A, Messa F, Ferrari A, Cilloni D, Soverini S, Paoloni F, Arruga F, Ottaviani E, Chiaretti S, Messina M, Vignetti M, **Papayannidis C**, Vitale A, Pane F, Piccaluga PP, Paolini S, Berton G, Baruzzi A, Saglio G, Baccarani M, Foà R, Martinelli G. *Leukemia.* 2010 Jan;24(1):66-73. doi: 10.1038/leu.2009.197. Epub 2009 Sep 17. PMID: 19759560

[Complex karyotype, older age, and reduced first-line dose intensity determine poor survival in core binding factor acute myeloid leukemia patients with long-term follow-up.](#)

Mosna F, **Papayannidis C**, Martinelli G, Di Bona E, Bonalumi A, Tecchio C, Candoni A, Capelli D, Piccin A, Forghieri F, Bigazzi C, Visani G, Zambello R, Zanatta L, Volpato F, Paolini S, Testoni N, Gherlinzoni F, Gottardi M. *Am J Hematol.* 2015 Jun;90(6):515-23. doi: 10.1002/ajh.24000. Epub 2015 Apr 1. PMID: 25753065

[Philadelphia-positive acute lymphoblastic leukemia patients already harbor BCR-ABL kinase domain mutations at low levels at the time of diagnosis.](#)

Soverini S, Vitale A, Poerio A, Gnani A, Colarossi S, Iacobucci I, Cimino G, Elia L, Lonetti A, Vignetti M, Paolini S, Meloni G, di Maio V, **Papayannidis C**, Amabile M, Guarini A, Baccarani M, Martinelli G, Foà R. *Haematologica.* 2011 Apr;96(4):552-7. doi: 10.3324/haematol.2010.034173. Epub 2010 Dec 29. PMID: 21193419 Free PMC article.

[Identification of different Ikaros cDNA transcripts in Philadelphia-positive adult acute lymphoblastic leukemia by a high-throughput capillary electrophoresis sizing method.](#)

Iacobucci I, Lonetti A, Cilloni D, Messa F, Ferrari A, Zuntini R, Ferrari S, Ottaviani E, Arruga F, Paolini S, **Papayannidis C**, Piccaluga PP, Soverini S, Saglio G, Pane F, Baruzzi A, Vignetti M, Berton G, Vitale A, Chiaretti S, Müschen M, Foà R, Baccarani M, Martinelli G. *Haematologica.* 2008 Dec;93(12):1814-21. doi: 10.3324/haematol.13260. Epub 2008 Oct 6. PMID: 18838475

[Paraplegia due to a paravertebral extramedullary haemopoiesis in a patient with polycythaemia vera.](#)

Piccaluga PP, Finelli C, Vigna E, Agostinelli C, Bacci F, Paolini S, **Papayannidis C**, Laterza C, Martinelli G, Pileri SA, Baccarani M. *J Clin Pathol.* 2007 May;60(5):581-2. doi: 10.1136/jcp.2006.039149. PMID: 17513521 Free PMC article. No abstract available.

[Optimized pipeline of MuTect and GATK tools to improve the detection of somatic single nucleotide polymorphisms in whole-exome sequencing data.](#)

do Valle ÍF, Giampieri E, Simonetti G, Padella A, Manfrini M, Ferrari A, **Papayannidis C**, Zironi I, Garonzi M, Bernardi S, Delledonne M, Martinelli G, Remondini D, Castellani G. BMC Bioinformatics. 2016 Nov 8;17(Suppl 12):341. doi: 10.1186/s12859-016-1190-7. PMID: 28185561 Free PMC article.

[Drug resistance and BCR-ABL kinase domain mutations in Philadelphia chromosome-positive acute lymphoblastic leukemia from the imatinib to the second-generation tyrosine kinase inhibitor era: The main changes are in the type of mutations, but not in the frequency of mutation involvement.](#)

Soverini S, De Benedittis C, **Papayannidis C**, Paolini S, Venturi C, Iacobucci I, Luppi M, Bresciani P, Salvucci M, Russo D, Sica S, Orlandi E, Intermesoli T, Gozzini A, Bonifacio M, Rigolin GM, Pane F, Baccarani M, Cavo M, Martinelli G. Cancer. 2014 Apr 1;120(7):1002-9. doi: 10.1002/cncr.28522. Epub 2013 Dec 30. PMID: 24382642 Free article.

[B-cell acute lymphoblastic leukemia as evolution of a 8p11 myeloproliferative syndrome with t\(8;22\)\(p11;q11\) and BCR-FGFR1 fusion gene.](#)

Baldazzi C, Iacobucci I, Luatti S, Ottaviani E, Marzocchi G, Paolini S, Stacchini M, **Papayannidis C**, Gamberini C, Martinelli G, Baccarani M, Testoni N. Leuk Res. 2010 Oct;34(10):e282-5. doi: 10.1016/j.leukres.2010.05.009. Epub 2010 Jun 9. PMID: 20594995 No abstract available.

[Complete paraplegia after nelarabine treatment in a T-cell acute lymphoblastic leukemia adult patient.](#)

**Papayannidis C**, Iacobucci I, Abbenante MC, Curti A, Paolini S, Parisi S, Baccarani M, Martinelli G. Am J Hematol. 2010 Aug;85(8):608. doi: 10.1002/ajh.21719. PMID: 20658590 Free article. No abstract available.

[The PAX5 gene is frequently rearranged in BCR-ABL1-positive acute lymphoblastic leukemia but is not associated with outcome. A report on behalf of the GIMEMA Acute Leukemia Working Party.](#)

Iacobucci I, Lonetti A, Paoloni F, **Papayannidis C**, Ferrari A, Storlazzi CT, Vignetti M, Cilloni D, Messa F, Guadagnuolo V, Paolini S, Elia L, Messina M, Vitale A, Meloni G, Soverini S, Pane F, Baccarani M, Foà R, Martinelli G. Haematologica. 2010 Oct;95(10):1683-90. doi: 10.3324/haematol.2009.020792. Epub 2010 Jun 9. PMID: 20534699 Free PMC article.

[A phase 2 study of MK-0457 in patients with BCR-ABL T315I mutant chronic myelogenous leukemia and philadelphia chromosome-positive acute lymphoblastic leukemia.](#)

Seymour JF, Kim DW, Rubin E, Haregewoin A, Clark J, Watson P, Hughes T, Dufva I, Jimenez JL, Mahon FX, Rousselot P, Cortes J, Martinelli G, **Papayannidis C**, Nagler A, Giles FJ. Blood Cancer J. 2014 Aug 15;4(8):e238. doi: 10.1038/bcj.2014.60. PMID: 25127392 Free PMC article. Clinical Trial.

[Use of a high sensitive nanofluidic array for the detection of rare copies of BCR-ABL1 transcript in patients with Philadelphia-positive acute lymphoblastic leukemia in complete response.](#)

Iacobucci I, Lonetti A, Venturi C, Ferrari A, **Papayannidis C**, Ottaviani E, Abbenante MC, Paolini S, Bresciani P, Potenza L, Parisi S, Cattina F, Soverini S, Russo D, Luppi M, Martinelli G. Leuk Res. 2014 May;38(5):581-5. doi: 10.1016/j.leukres.2014.02.005. Epub 2014 Feb 18. PMID: 24630366

[Stage I of a phase 2 study assessing the efficacy, safety, and tolerability of barasertib \(AZD1152\) versus low-dose cytosine arabinoside in elderly patients with acute myeloid leukemia.](#)

Kantarjian HM, Martinelli G, Jabbour EJ, Quintás-Cardama A, Ando K, Bay JO, Wei A, Gröpper S, **Papayannidis C**, Owen K, Pike L, Schmitt N, Stockman PK, Giagounidis A; SPARK-AML1 Investigators.

Cancer. 2013 Jul 15;119(14):2611-9. doi: 10.1002/cncr.28113. Epub 2013 Apr 19. PMID: 23605952  
Free PMC article. Clinical Trial.

[IKZF1 \(Ikaros\) deletions in BCR-ABL1-positive acute lymphoblastic leukemia are associated with short disease-free survival and high rate of cumulative incidence of relapse: a GIMEMA AL WP report.](#)

Martinelli G, Iacobucci I, Storlazzi CT, Vignetti M, Paoloni F, Cilloni D, Soverini S, Vitale A, Chiaretti S, Cimino G, **Papayannidis C**, Paolini S, Elia L, Fazi P, Meloni G, Amadori S, Saglio G, Pane F, Baccarani M, Foà R. J Clin Oncol. 2009 Nov 1;27(31):5202-7. doi: 10.1200/JCO.2008.21.6408. Epub 2009 Sep 21. PMID: 19770381

[Expression of spliced oncogenic Ikaros isoforms in Philadelphia-positive acute lymphoblastic leukemia patients treated with tyrosine kinase inhibitors: implications for a new mechanism of resistance.](#)

Iacobucci I, Lonetti A, Messa F, Cilloni D, Arruga F, Ottaviani E, Paolini S, **Papayannidis C**, Piccaluga PP, Giannoulia P, Soverini S, Amabile M, Poerio A, Saglio G, Pane F, Berton G, Baruzzi A, Vitale A, Chiaretti S, Perini G, Foà R, Baccarani M, Martinelli G. Blood. 2008 Nov 1;112(9):3847-55. doi: 10.1182/blood-2007-09-112631. Epub 2008 Jul 23. PMID: 18650450

[Identification and molecular characterization of recurrent genomic deletions on 7p12 in the IKZF1 gene in a large cohort of BCR-ABL1-positive acute lymphoblastic leukemia patients: on behalf of Gruppo Italiano Malattie Ematologiche dell'Adulto Acute Leukemia Working Party \(GIMEMA AL WP\).](#)

Iacobucci I, Storlazzi CT, Cilloni D, Lonetti A, Ottaviani E, Soverini S, Astolfi A, Chiaretti S, Vitale A, Messa F, Impera L, Baldazzi C, D'Addabbo P, **Papayannidis C**, Lonoce A, Colarossi S, Vignetti M, Piccaluga PP, Paolini S, Russo D, Pane F, Saglio G, Baccarani M, Foà R, Martinelli G. Blood. 2009 Sep 3;114(10):2159-67. doi: 10.1182/blood-2008-08-173963. Epub 2009 Jul 9. PMID: 19589926

[Philadelphia positive \(Ph+\) acute lymphoblastic leukemia \(ALL\) patient with breast infiltration.](#)

**Papayannidis C**, Iacobucci I, Abbenante MC, Curti A, Parisi S, Paolini S, Testoni N, Baccarani M, Cilloni D, Martinelli G. Leuk Res. 2010 Sep;34(9):e246-7. doi: 10.1016/j.leukres.2010.03.028. Epub 2010 Apr 8. PMID: 20381144 No abstract available.

[Philadelphia-positive patients who already harbor imatinib-resistant Bcr-Abl kinase domain mutations have a higher likelihood of developing additional mutations associated with resistance to second- or third-line tyrosine kinase inhibitors.](#)

Soverini S, Gnani A, Colarossi S, Castagnetti F, Abruzzese E, Paolini S, Merante S, Orlandi E, de Matteis S, Gozzini A, Iacobucci I, Palandri F, Gugliotta G, **Papayannidis C**, Poerio A, Amabile M, Cilloni D, Rosti G, Baccarani M, Martinelli G. Blood. 2009 Sep 3;114(10):2168-71. doi: 10.1182/blood-2009-01-197186. Epub 2009 Jul 9. PMID: 19589924

[Patient with ataxia telangiectasia who developed acute myeloid leukemia.](#)

Brioli A, Parisi S, Iacobucci I, Cavo M, **Papayannidis C**, Anna Zannetti B, Martinelli G, Baccarani M. Leuk Lymphoma. 2011 Sep;52(9):1818-20. doi: 10.3109/10428194.2011.577256. Epub 2011 Jun 10. PMID: 21657959 No abstract available.

[Posterior reversible encephalopathy syndrome in a B-cell acute lymphoblastic leukemia young adult patient treated with a pediatric-like chemotherapeutic schedule.](#)



**Papayannidis C**, Volpato F, Iacobucci I, Abbenante MC, Sartor C, Martinelli G. Hematol Rep. 2014 Sep 30;6(3):5565. doi: 10.4081/hr.2014.5565. eCollection 2014 Aug 26. PMID: 25317320 Free PMC article.

[The clonal evolution of two distinct T315I-positive BCR-ABL1 subclones in a Philadelphia-positive acute lymphoblastic leukemia failing multiple lines of therapy: a case report.](#)

De Benedittis C, **Papayannidis C**, Venturi C, Abbenante MC, Paolini S, Parisi S, Sartor C, Cavo M, Martinelli G, Soverini S. BMC Cancer. 2017 Aug 5;17(1):523. doi: 10.1186/s12885-017-3511-2. PMID: 28779753 Free PMC article.

[Primary cardiac non-Hodgkin lymphoma presenting with atrial flutter and pericardial effusion.](#)

Piccaluga PP, Vigna E, Placci A, Agostinelli C, Laterza C, **Papayannidis C**, Leone O, Martinelli G, Zinzani PL, Baccarani M, Pileri SA. Br J Haematol. 2006 Aug;134(4):356. doi: 10.1111/j.1365-2141.2006.06168.x. PMID: 16882130 No abstract available.

[Recurrent Gastrointestinal Hemorrhage in Treatment with Dasatinib in a Patient Showing SMAD4 Mutation with Acute Lymphoblastic Leukemia Philadelphia Positive and Juvenile Polyposis Hereditary Hemorrhagic Telangiectasia Syndrome.](#)

Sartor C, **Papayannidis C**, Chiara Abbenante M, Iacobucci I, Broccoli A, Venturi C, Testoni N, Ferrari A, Martinelli G. Hematol Rep. 2013 Jul 3;5(2):26-7. doi: 10.4081/hr.2013.e7. Print 2013 Jun 28. PMID: 23888243 Free PMC article.

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