ASH 2023

65th ASH Annual Meeting and Exposition

December 9–12, 2023 San Diego, US



TOP ABSTRACTS

To help navigate the exciting content being presented at the 65th ASH Annual Meeting and Exposition, we have provided recommendations for the top abstracts to look out for in acute myeloid leukemia (AML).



December 9–12, 2023

Earl	Early phase trials					
	55 View	Saturday, Dec 9 09:30–09:45	Selinexor in combination with venetoclax and azacitidine for newly diagnosed (ND) unfit acute myeloid leukemia (AML): a multicenter, open-label prospective study	Li Yang		
	56 View	Saturday, Dec 9 09:45–10:00	Preliminary safety and efficacy of venetoclax and selinexor in combination with chemotherapy in pediatric and young adult patients with relapsed or refractory acute myeloid leukemia: Selclax	Sara Zarnegar- Lumley		
	57 View	Saturday, Dec 9 10:00–10:15	A first-in-human phase 1 study of the menin-KMT2A (MLL1) inhibitor JNJ-75276617 in adult patients with relapsed/refractory acute leukemia harboring <i>KMT2A</i> or <i>NPM1</i> alterations	Elias Jabbour		
	58 View	Saturday, Dec 9 10:15–10:30	Early results of the phase I/II study investigating the all-oral combination of the menin inhibitor revumenib (SNDX-5613) with decitabine/ cedazuridine (ASTX727) and venetoclax in acute myeloid leukemia (SAVE)	Ghayas C. Issa		
	59 View	Saturday, Dec 9 10:30–10:45	TIM-3 inhibitor sabatolimab for patients with acute myeloid leukemia (AML) with measurable residual disease (MRD) detected after allogeneic stem cell transplantation (AlloSCT): Preliminary findings from the phase Ib/II STIMULUS-AML2 study	Robert Zeiser		
	60 View	Saturday, Dec 9 10:45–11:00	Overcoming venetoclax (Ven) resistance through glutamine (Gln) depletion: Final analysis of the phase 1 trial of Ven and pegcrisantaspase (PegC) combination in relapsed and refractory (R/R) acute myeloid leukemia (AML)	Yuchen Liu		
	158 View	Saturday, Dec 9 14:15–14:30	Phase I/II study of quizartinib, venetoclax, and decitabine triple combination in FLT3-ITD mutated AML	Musa Yilmaz		
	159 View	Saturday, Dec 9 14:30–14:45	Final results of the phase Ib/II study evaluating enasidenib in combination with venetoclax in patients with IDH2-mutated relapsed/refractory myeloid malignancies	Guillaume Richard- Carpentier		
	160 View	Saturday, Dec 9 14:45–15:00	Venetoclax plus high-dose cytarabine and mitoxantrone (HAM-Ven) as salvage treatment for relapsed/refractory AML: updated results of the phase-I/II SAL Relax trial	Leo Ruhnke		

162 View	Saturday, Dec 9 15:15–15:30	Tuspetinib myeloid kinase inhibitor safety and efficacy as monotherapy and combined with venetoclax in phase 1/2 trial of patients with relapsed or refractory (R/R) acute myeloid leukemia (AML)	Naval Daver
218 View	Saturday, Dec 9 14:15–14:30	Naturally selected CD7-targeted chimeric antigen receptor (CAR)-T cell therapy for refractory/relapsed acute myeloid leukemia: phase I clinical trial	Peihua Lu
230 View	Saturday, Dec 9 14:15–14:30	Optimizing outcomes with myeloablative conditioning in older patients: Efficacy and safety of precision engineered Orca-T in patients > 55 years old with hematologic malignancies	Caspian H. Oliai
470 View	Sunday, Dec 10 09:45–10:00	Final results from phase 1 study of briquilimab, an anti-CD117 monoclonal antibody, in combination with low dose irradiation and fludarabine conditioning, shows durable remissions in older adults with acute myeloid leukemia in complete remission and myelodysplastic syndrome undergoing allogeneic hematopoietic cell transplantation	Arpita Gandhi
471 View	Sunday, Dec 10 10:00–10:15	Mega-dose decitabine intensified regimen is more effective at eliminating pre-HSCT measurable residual disease compared to the Bu/Cy regimen: a multicenter prospective phase II study	Hao Zheng
474 View	Sunday, Dec 10 10:45–11:00	The modified melphalan-cladribine-busulfan- cyclophosphamide (MCBC) conditioning regimen improved relapse-free survival after allo-HSCT in refractory/relapsed AML	Xiaoyu Zhang
773 View	Monday, Dec 11 11:30–11:45	Safety and efficacy of Orca-Q with haploidentical donors for the treatment of advanced hematologic malignancies without the use of post-transplant cyclophosphamide	Samer A. Srour
771 View	Monday, Dec 11 11:00–11:15	CD33 CAR T-cells (CD33CART) for children and young adults with relapsed/refractory AML: dose- escalation results from a phase I/II multicenter trial	Nirali N. Shah
830 View	Monday, Dec 11 15:00–15:15	MRD directed treatment intensification with either FLAG-Ida or DA-Cladribine improves survival in older AML patients: results from the NCRI AML18 randomised trial	Nigel H. Russell
832 View	Monday, Dec 11 15:30–15:45	Quantum-First trial: FMS-like tyrosine kinase 3-internal tandem duplication (FLT3-ITD)–specific measurable residual disease (MRD) clearance assessed through induction (IND) and consolidation (CONS) is associated with improved overall survival (OS) in newly diagnosed (nd) FLT3-ITD+ AML patients (pts)	Alexander Perl

833 View	Monday, Dec 11 15:45–16:00	A phase 2 study of the fully oral combination of ASTX727 (decitabine/cedazuridine) plus venetoclax for older and/or unfit patients with acute myeloid leukemia	Tapan M. Kadia
834 View	Monday, Dec 11 16:00–16:15	Venetoclax plus azacitidine, low dose cytarabine, aclarubicin and G-CSF (VA-CAG Regimen) for newly diagnosed young patients with acute myeloid leukemia: a prospective, multicenter, single-arm phase 2 clinical trial	Xiaoping Li
968 View	Monday, Dec 11 16:45–17:00	Phase Ib/2 study of oral decitabine/cedazuridine (ASTX727) and venetoclax in combination with the targeted mutant IDH1 inhibitor ivosidenib or the targeted mutant IDH2 inhibitor enasidenib: 2023 update	Himachandana Atluri
969 View	Monday, Dec 11 17:00–17:15	Venetoclax combined with daunorubicin and cytarabine (2 + 6) in acute myeloid leukemia: updated results of a phase II trial	Xiaohui Suo
970 View	Monday, Dec 11 17:15–17:30	Comparing the efficacy and safety of venetoclax combined with decitabine versus conventional chemotherapy as induction therapy for young adults with newly diagnosed acute myeloid leukemia - interim analysis of a multicenter, randomized, phase 2b trial	Jing Lu
974 View	Monday, Dec 11 16:45–17:00	The FLT3-like gene expression signature predicts response to quizartinib in wild-type FLT3 acute myeloid leukemia: an analysis of the Pethema Quiwi trial	Adrian Mosquera Orgueira
1040 View	Monday, Dec 11 16:45–17:00	Infusion of UM171-expanded cord blood led to excellent survival in patients with high-risk leukemias: results from two independent phase II studies	Filippo Milano
2906 View	Sunday, Dec 10 18:00–20:00	Pivekimab sunirine (PVEK, IMGN632), a CD123- targeting antibody-drug conjugate, in combination with azacitidine and venetoclax in patients with newly diagnosed acute myeloid leukemia	Naval Daver
LBA-5 View	Tuesday, Dec 12 09:00–10:30	Revumenib monotherapy in patients with relapsed/ refractory KMT2Ar acute leukemia: topline efficacy and safety results from the Pivotal Augment-101 phase 2 study	Ibrahim Aldoss

Late	Late phase trials					
	263 View	Saturday, Dec 9 15:00–15:15	Alignment of later phase clinical trial eligibility criteria with drug safety in acute leukemia: minimizing unnecessary patient risk and exclusion	Thomas P. Walsh		
	469 View	Sunday, Dec 10 09:30–09:45	I-Apamistamab-led allogeneic hematopoietic cell transplant significantly improves overall survival in patients with TP53 mutated R/R AML	Hannah Choe		
	594 View	Sunday, Dec 10 17:45–18:00	Older adults with acute myeloid leukemia (AML) experience improvement in health-related quality of life (HRQoL) scores with intensive therapy: prospective study from ECOG-ACRIN (EA) E2906 phase 3 trial	James M. Foran		
	730 View	Monday, Dec 11 11:15–11:30	Outcomes for children with high risk acute myeloid leukemia on the MyeChild 01 international phase III clinical trial	Andrew Moore		
	732 View	Monday, Dec 11 11:45–12:00	Preferential efficacy of remission maintenance with HDC/IL-2 in age groups of patients with chemoresponsive or normal karyotype AML	Kristoffer Hellstrand		
	829 View	Monday, Dec 11 14:45–15:00	Optimization of idarubicin and cytarabine induction regimen with homoharringtonine for newly diagnosed AML based on the peripheral blast clearance rate: first result of the multicenter, randomized, phase 3 trial (RJ-AML 2016)	Yunxiang Zhang		
	918 View	Monday, Dec 11 16:00–16:15	Patient-reported outcomes in acute myeloid leukemia patients with <i>FLT3</i> -ITD mutation receiving quizartinib vs. standard chemotherapy: results from the Quantum-First trial	Esther Natalie Oliva		
	972 View	Monday, Dec 11 17:45–18:00	Quantum-First: Safety by treatment phase and by age in newly diagnosed (nd) patients (pts) with FMS-like tyrosine kinase 3–internal tandem duplication (<i>FLT3</i> -ITD) positive acute myeloid leukemia (AML)	Harry P. Erba		
	973 View	Monday, Dec 11 16:30–16:45	Post-hoc analysis of measurable residual disease from BMT-CTN 1506/Morpho: FLT3-ITD variant allele frequency and survival are highly correlated	Mark J. Levis		
	1041 View	Monday, Dec 11 17:00–17:15	Haploidentical hematopoietic cell transplantation combined with an unrelated cord blood unit for adult acute myeloid leukemia results in improved survival compared to haploidentical hematopoietic cell transplantation: results of a multicenter, randomized, phase III trial	Biqi Zhou		

*	1495 View	Saturday, Dec 9 17:30–19:30	Decider-2: Prospective randomized multicenter phase III trial of decitabine and venetoclax administered in combination with all-trans retinoic acid (ATRA) or placebo in patients with acute myeloid leukemia who are ineligible for induction chemotherapy	Michael Lübbert
	1582 View	Saturday, Dec 9 17:30–19:30	Clonal dynamics of gene mutations during oral azacitidine maintenance therapy in patients with acute myeloid leukemia (AML): outcomes from the QUAZAR AML-001 trial	Daniel Lopes De Menezes
	4254 View	Monday, Dec 11 18:00–20:00	Kinetics of complete remission (CR) and CR duration and its impact on overall survival (OS) and event- free survival (EFS) in Quantum-First	Pau Montesinos
	5097 View	Monday, Dec 11 18:00–20:00	The UK Impact Transplant Trials Network: An effective national strategy to accelerate the delivery of randomized trials in stem cell transplantation	Charles Craddock

Rea	Real-world, registry, and observational studies				
	62 View	Saturday, Dec 9 09:45–10:00	Machine learning provides individualized prediction of outcomes after first complete remission in adult AML patients - results from the Harmony Platform	Alberto Hernández Sánchez	
	161 View	Saturday, Dec 9 15:00–15:15	Acute myeloid leukemia patients who stopped venetoclax or/and azacytidine for other reasons than progression have a prolonged treatment free remission and overall survival: a Filo study	Sylvain Garciaz	
	236 View	Saturday, Dec 9 14:15–14:30	MMF is associated with worse OS in CMV seropositive AML patients undergoing MUD HCT with calcineurin-inhibitor-based GvHD prophylaxis	Rohtesh S. Mehta	
	261 View	Saturday, Dec 9 14:30–14:45	Age-related differences in utilization of allogeneic HCT for acute myeloid leukemia in California: results of a population-based, novel linked dataset	Christa L Meyer	
	421 View	Sunday, Dec 10 09:30–09:45	Molecular relapse after first-line intensive therapy in patients with core-binding factor and NPM1- mutated acute myeloid leukemia – a Filo study	Corentin Orvain	
	425 View	Sunday, Dec 10 10:30–10:45	The benefit of allogeneic transplant in 1st complete remission in <i>NPM1</i> Mutated AML with or without <i>FLT3</i> ITD is restricted to those testing MRD positive after induction – an analysis of the UK NCRI AML17 and AML19 studies	Jad Othman	

	550 View	Sunday, Dec 10 12:45–13:00	Intensive chemotherapy (IC) followed by oral azacitidine (AZA) maintenance versus venetoclax (VEN) plus AZA for patients (pts) with acute myeloid leukemia (AML): retrospective analysis of an Electronic Medical Record (EMR) database in the United States	Alice Mims
	592 View	Sunday, Dec 10 17:15–17:30	Comparable survival of treatment Naïve <i>TP53</i> mutated acute myeloid leukemia treated with hypomethylating agent compared to hypomethylating agent plus venetoclax based therapy	Talha Badar
*	657 View	Sunday, Dec 10 17:00–17:15	Pre-transplant somatic co-occurring mutations (by next generation sequencing) in acute myeloid leukemia: Frequency and impact on clinical outcomes after allogeneic hematopoietic cell transplantation - a large study on behalf of the EBMT Acute Leukemia Working Party	Ali Bazarbachi
	658 View	Sunday, Dec 10 17:15–17:30	The impact of <i>DNMT3A</i> mutation on survival of AML patients receiving allogeneic hematopoietic cell transplantation in first remission depends on the karyotype and co-occurring mutations: on behalf of the EBMT Acute Leukemia Working Party	Iman Abou Dalle
	659 View	Sunday, Dec 10 17:30–17:45	Comparative study for haplo, MSD and MUD allo- hcts for core-binding factor AML patients in CR2: A study from the Global Committee and the Acute Leukemia Working Party of the European Society for Blood and Marrow Transplantation	Yishan Ye
	896 View	Monday, Dec 11 15:00–15:15	How much have post-transplant outcomes improved since 2000 for older patients with acute myeloid leukemia? A study from the EBMT Acute Leukemia Working Party	Ali Bazarbachi
	958 View	Monday, Dec 11 17:15–17:30	The shifting prognosis of <i>FLT3</i> mutations in acute myeloid leukemia in the era of targeted therapy: A real-world study using large-scale electronic health record data	Matthew Schwede
	967 View	Monday, Dec 11 16:30–16:45	Current results of intensive therapy in younger adults with acute myeloid leukemia (AML): The Large Randomized French Backbone Intergroup (BIG)-1 study on behalf of the Filo, ALFA, and SFGM- TC study groups	Hunault- Berger Mathilde
	971 View	Monday, Dec 11 17:30–17:45	A comparison of acute myeloid leukemia (AML) regimens: Hypomethylating agents combined with ivosidenib or venetoclax in newly diagnosed patients with IDH1 mutations: a real-world evidence study	B. Douglas Smith

975 View	Monday, Dec 11 17:00–17:15	Fms-like tyrosine kinase 3 ligand kinetic profile is the strongest factor predicting refractoriness after induction and event-free survival in adults with AML: a Filo prospective multicentric study	Pierre Peterlin
977 View	Monday, Dec 11 17:30–17:45	Molecular ontogeny in AML is both prognostic and predictive in patients treated with hypomethylating agents plus venetoclax	Shai Shimony
1043 View	Monday, Dec 11 17:30–17:45	Comparing older matched related to younger matched unrelated donors in acute myeloid leukemia in remission using post-transplant cyclophosphamide	Simona Piemontese
1049 View	Monday, Dec 11 17:30–17:45	Non-T-depleted haploidentical transplantation with post-transplant cyclophosphamide in patients with relapsed/refractory secondary versus <i>de novo</i> AML: a study from the ALWP/EBMT	Arnon Nagler

Classification systems					
	61 View	Saturday, Dec 9 09:30–09:45	Modification of the ELN classification 2022 refines risk assessment in MDS/AML patients	Gregor Hoermann	
	819 View	Monday, Dec 11 15:15–15:30	Unraveling the impact of 2022 classifications on secondary acute myeloid leukemia: assessing the true qualification power of diagnostic qualifiers	Enrico Attardi	
	1566 View	Saturday, Dec 9 17:30–19:30	Advances in acute myeloid leukemia classification: A comparative analysis of Who-HAEM4R, Who- HAEM5, and International Consensus Classification	Xue Chen	

Old	Older patients					
	376 View	Saturday, Dec 9 16:45–17:00	Frail and pre-frail older adults with acute myeloid leukemia have inferior survival due to higher rates of disease-related deaths	Ashley D. Hadjis		
	374 View	Saturday, Dec 9 16:15–16:30	Individual-level social determinants of health (SDOH) measures and treatment complications in acute leukemia	Eshana Shah		
	955 View	Monday, Dec 11 16:30–16:45	Evolving racial/ethnic disparities in AML survival in the novel therapy era: Real-world evidence of improved survival in older patients with the largest improvement in non-Hispanic Black patients	Xin Wang		

Bior	Biomarkers					
	63 View	Saturday, Dec 9 10:00–10:15	Genomic Characterization of Acute Myeloid Leukemia with Aberrations of Chromosome 7: A Multinational Cohort of 523 Patients	Adriane Halik		
	424 View	Sunday, Dec 10 10:15–10:30	Measurable residual <i>IDH2</i> before allogeneic transplant for acute myeloid leukemia	Gege Gui		
	721 View	Monday, Dec 11 10:30–10:45	Secondary-type mutations do not impact the favorable outcome of <i>NPM1</i> -mutated acute myeloid leukemia patients – results from a large cohort of intensively treated patients	Marius Bill		
	723 View	Monday, Dec 11 11:00–11:15	Mutational and cytogenetic dynamics at diagnosis and relapse in acute myeloid leukemia: influence of intensity and type of treatment	Alex Bataller		
	817 View	Monday, Dec 11 14:45–15:00	Prognostic impact of clonality of myelodysplasia- related gene mutations in AML	Rabea Mecklenbrauck		
	818 View	Monday, Dec 11 15:00–15:15	Influence of bone marrow blast enumeration and co-occurring myelodysplasia related gene mutations in <i>NPM1</i> -mutated myeloid malignancies	Curtis A. Lachowiez		
	821 View	Monday, Dec 11 15:45–16:00	Molecular and cytogenetic characteristics of acute myeloid leukemia (AML) and myelodysplastic syndrome (MDS) in patients exposed to chemotherapy (CT) and/or radiation (XRT)	Pinkal Desai		
	837 View	Monday, Dec 11 15:15–15:30	Genomic profiles and associated survival prognosticators in Black patients with acute myeloid leukemia	Andrew Stiff		
	957 View	Monday, Dec 11 17:00–17:15	NPM1-mutated myeloid neoplasms: Updated outcomes with high-intensive chemotherapy regardless of the blast percentage	Georgina Gener-Ricos		
	959 View	Monday, Dec 11 17:30–17:45	Clinical and prognostic implications of <i>WT1</i> mutations in <i>de novo</i> and relapsed acute myeloid leukemia	Himachandana Atluri		
	2939 View	Sunday, Dec 10 18:00–20:00	Interaction between presenting features, co- occurring mutations, MRD and induction treatment influences outcome in adults with <i>NPM1</i> mutated AML – an analysis of 1357 patients in the UK NCRI AML17 and AML19 studies	Jad Othman		
	LBA-6 View	Tuesday, Dec 12 09:00–10:30	ERG Is a new predisposition gene for bone marrow failure and hematological malignancy	Hamish S. Scott		

Trar	Translational research					
	217 View	Saturday, Dec 9 14:00–14:15	Cytokine release syndrome results in reduced AML killing by CD123 CAR T cells	Anand S. Bhagwat		
	466 View	Sunday, Dec 10 10:15–10:30	WU-NK-101 (W-NK), a memory-like (ML) NK cell, intrinsically overcomes factors restricting adoptive cell therapy (ACT) in acute myeloid leukemia (AML)	Sergio Rutella		
	978 View	Monday, Dec 11 17:45–18:00	Acute myeloid leukemia differentiation state and genotype influence anti-apoptotic protein expression, venetoclax sensitivity, and survival in AML	Curtis A. Lachowiez		
	165 View	Saturday, Dec 9 14:30–14:45	Optimizing FLT3 inhibitor use in adult acute myeloid leukemia with FLT3 mutations using proteomics	Eduardo Sabino Magalhaes		
	290 View	Saturday, Dec 9 16:15–16:30	CLEC2A is a novel AML-restricted immunotherapeutic target enriched in KMT2A- rearranged acute myeloid leukemia	Danielle Kirkey		
	423 View	Sunday, Dec 10 10:00–10:15	Venetoclax has potent efficacy in <i>NPM1</i> mutated AML with acquired resistance associated with either perturbed pro-survival signalling or <i>NPM1</i> wild-type populations	Chong Chyn Chua		
	1577 View	Saturday, Dec 9 17:30–19:30	Pre-transplant measurable residual disease (MRD) detection of <i>KMT2A</i> -rearranged acute myeloid leukemia is strongly associated with inferior post- transplant outcome	Sun Loo		
	1588 View	Saturday, Dec 9 17:30–19:30	Leukemic stem cells (LSCs) as peri-transplant MRD assessment in AML patients undergoing allogeneic stem cell transplantation in CR	Evgeny Klyuchnikov		
	1591 View	Saturday, Dec 9 17:30–19:30	Deconvoluting clonal and cellular architecture in <i>IDH</i> -mutant acute myeloid leukemia	Maria Sirenko		
	2933 View	Sunday, Dec 10 18:00–20:00	Single-cell proteomic analysis reveals menin inhibition-induced proteomic alterations in AML patients treated with revumenib	Mahesh Basyal		



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