

4th edition

Unmet challenges in high risk hematological malignancies: from bedside to clinical practice

Turin, March 26-27, 2026

Starhotels Majestic

Scientific board:

Marco Ladetto (Alessandria)

Umberto Vitolo (Candiolo-TO)

High risk AML: how to incorporate new drugs into the treatment of AML

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Disclosures of Priyanka Mehta

| Company name | Research support | Employee | Consultant | Stockholder | Speakers bureau | Advisory board | Other |
|----------------------|------------------|----------|------------|-------------|-----------------|----------------|-------|
| Abbvie | | | | | Yes | | |
| Astellas | | | yes | | yes | | |
| Daiichi Sankyo | | | yes | | yes | | |
| Jazz Pharmaceuticals | yes | | yes | | yes | yes | |
| Pfizer | | | | | yes | | |
| Servier | | | | | yes | | |
| Novartis | | | | | yes | | |
| Menarini | | | | | yes | | |
| | | | | | | | |

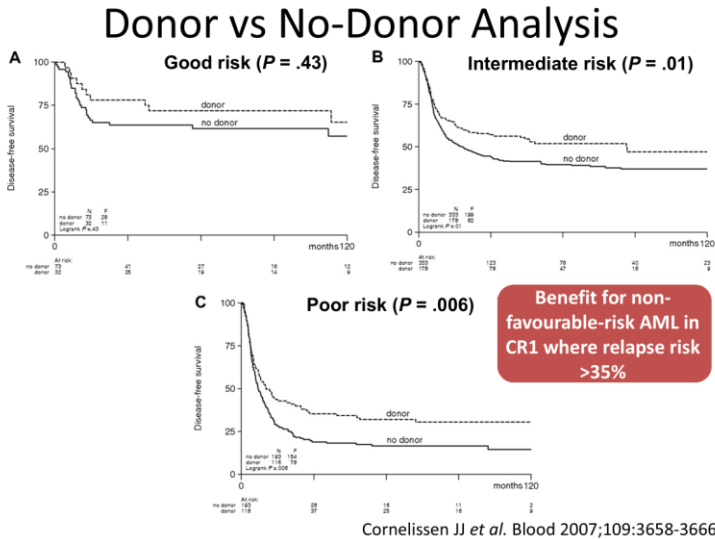
Topics

- What is high risk AML?
- New drugs in frontline treatment of fit and unfit patients
- New drugs in the relapsed AML setting
- New uses of old drugs

What is High-Risk AML?

- **Clinical Features:**
 - Older age (generally >60 years) at diagnosis.
 - Poor performance status or significant comorbidities.
 - High white blood cell count at diagnosis.
- **Genetic and Molecular Abnormalities:**
 - Certain chromosomal abnormalities such as complex karyotype (three or more chromosomal abnormalities), monosomal karyotype.
 - Specific gene mutations like TP53 mutations, FLT3-ITD with high allelic ratio, or mutations in ASXL1, RUNX1, or others.
 - Secondary AML, which arises after prior chemotherapy, radiation, or from a pre-existing blood disorder such as myelodysplastic syndrome (MDS) or myeloproliferative neoplasm (MPN).
- **Response to Treatment:**
 - Failure to achieve remission after initial induction chemotherapy.
 - Persistent or rising Measurable Residual Disease (MRD)
 - Early relapse after initial remission.

High risk AML patients= high risk of relapse



Selection of patients with acute myeloid leukaemia in first complete remission for allogeneic stem cell transplantation (allo-SCT), based on relapse risk

| 2017 ELN Risk stratifications by genetics | MRD after cycle 2 chemotherapy | Estimated risk of relapse, based on consolidation with: | | Maximal tolerated NRM prognostic scores for allo-SCT to be beneficial | |
|---|--------------------------------|---|--------------|---|--------------|
| | | Chemotherapy alone (%) | Allo-SCT (%) | HCT-CI score | NRM risk (%) |
| Favourable | Negative | 25-35 | 15-20 | N/A (<1) | 5 |
| | Positive | 70-80 | 30-40 | ≤3-4 | <30 |
| Intermediate | Negative | 50-60 | 25-30 | ≤2 | <20 |
| | Positive | 70-80 | 30-40 | ≤3-4 | <30 |
| Adverse | N/A | >90 | 45-55 | <5 | <35 |

Loke J *et al.*; Br J Haematol. 2020 Jan; 188(1): 129-146 (Döhner *et al.*, 2017; Schuurhuis *et al.*, 2018) and estimate of non-relapse mortality (NRM) (Sorró *et al.*, 2014), adapted from Cornelissen and Blaise (2016).

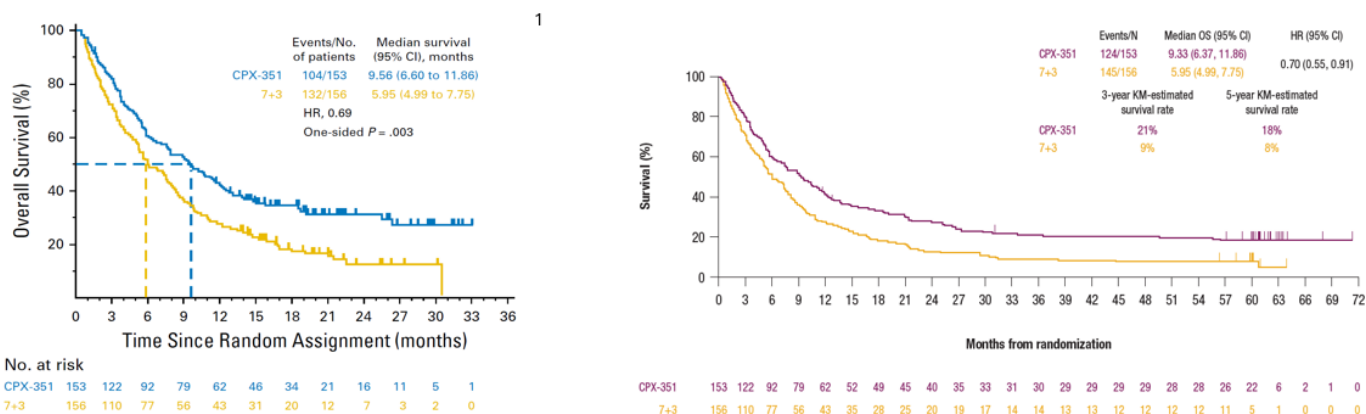
High Risk AML fit patients: aim is to get an Allogeneic SCT

ELN 2022 AML Risk Stratification

| Risk category | Genetic abnormality |
|---------------|---|
| Favourable | t(8;21)(q22;q22.1); RUNX1::RUNX1T1 inv(16)(p13.1q22) or t(16;16)(p13.1;q22); CBFβ::MYH11 Mutated NPM1 without FLT3-ITD bZIP in-frame mutated CEBPA |
| Intermediate | Mutated NPM1 with FLT3-ITD Wild type NPM1 with FLT3-ITD t(9;11)(p21.3;q23.3); MLLT3::KMT2A Cytogenetic and/or molecular abnormalities not classified as favourable or adverse |
| Adverse | t(6;9)(p23;q34.1); DEK::NUP214 t(v;11q23.3); KMT2A-rearranged (excluding KMT2A PTD) t(9;22)(q34.1;q11.2); BCR::ABL1 t(8;16)(p11;p13)/KAT6A::CREBBP inv(3)(q21.3q26.2) or t(3;3)(q21.3;q26.2); GATA2,MECOM(EV11) t(3q26.2:v)/MECOM(EV11)-rearranged -5 or del(5q); -7; -17/abn(17p) Complex karyotype, monosomal karyotype Mutated ASXL1, BCOR, EZH2, RUNX1, SF3B1, SRSF2, STAG2, U2AF1, or ZRSR2 Mutated TP53 |

AML with MR gene mutations is now categorised in the **adverse-risk group**

Treating Secondary and therapy related AML: Study 301

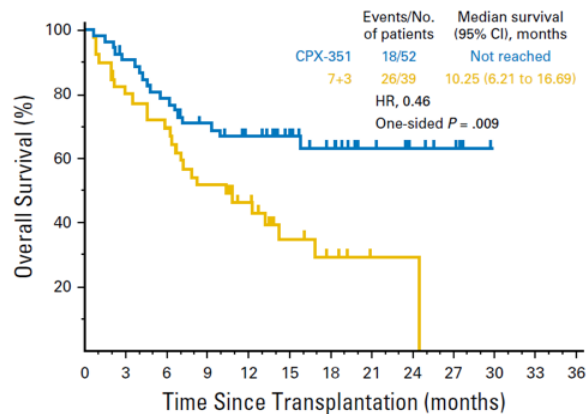


- Higher CR+CRi rate: 47.7% vs 33.3%¹
- 31% reduction in the risk of death for patients treated with Vyxeos Liposomal vs. 3+7 (HR 0.69 [95% CI 0.52, 0.90])¹

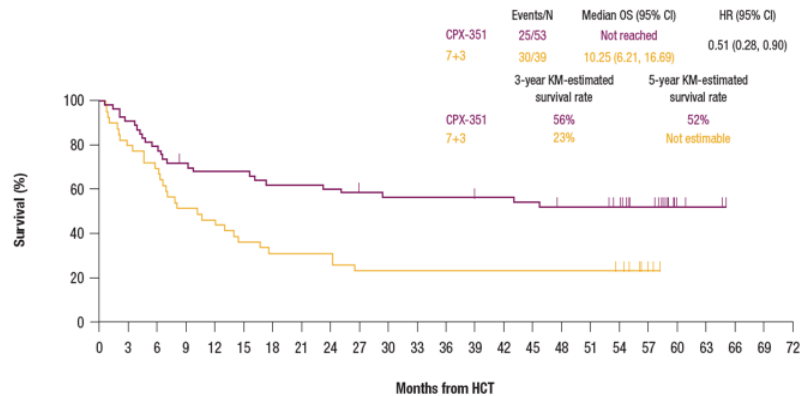
1. Lancet JE, et al. J Clin Oncol 2018;36(26):2684-2692
2. Lancet JE, et al. Lancet Haematol 2021;8(7):e481-e491

CR, complete remission; CRi, complete remission with incomplete neutrofil and platelet count recovery

Study 301: Post SCT survival at 2 years and 5 years



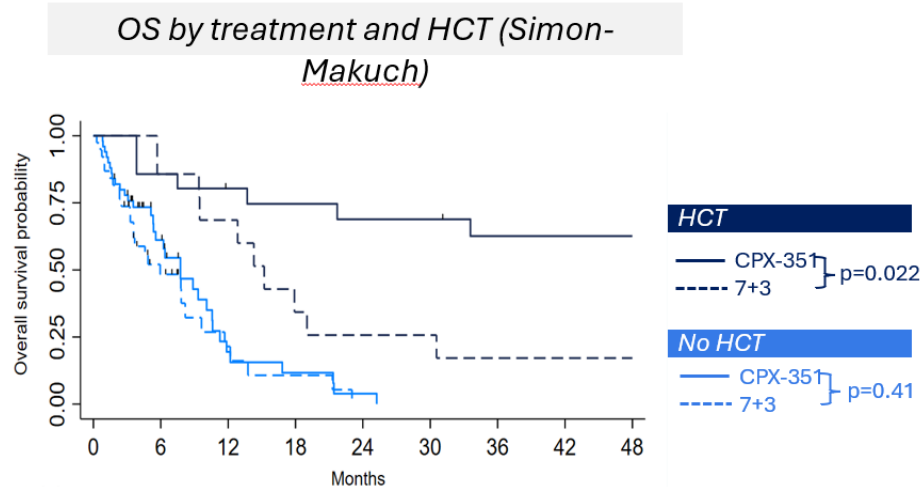
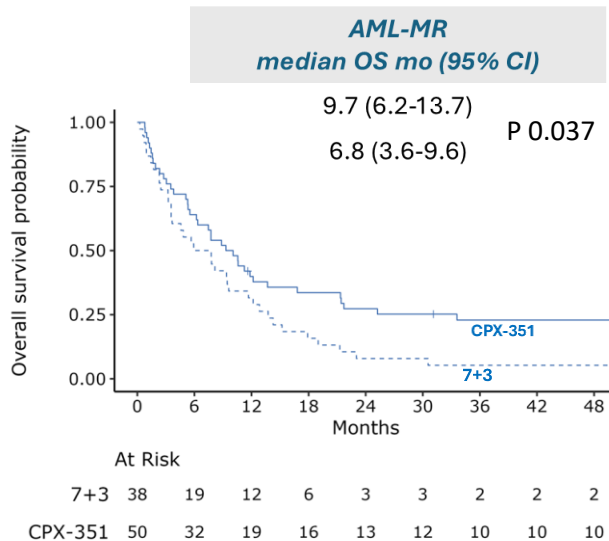
| No. at risk | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
|-------------|----|----|----|----|----|----|----|----|----|----|----|----|----|
| CPX-351 | 52 | 46 | 40 | 34 | 27 | 20 | 15 | 9 | 6 | 3 | 0 | 0 | 0 |
| 7+3 | 39 | 31 | 27 | 20 | 15 | 7 | 4 | 1 | 1 | 0 | 0 | 0 | 0 |

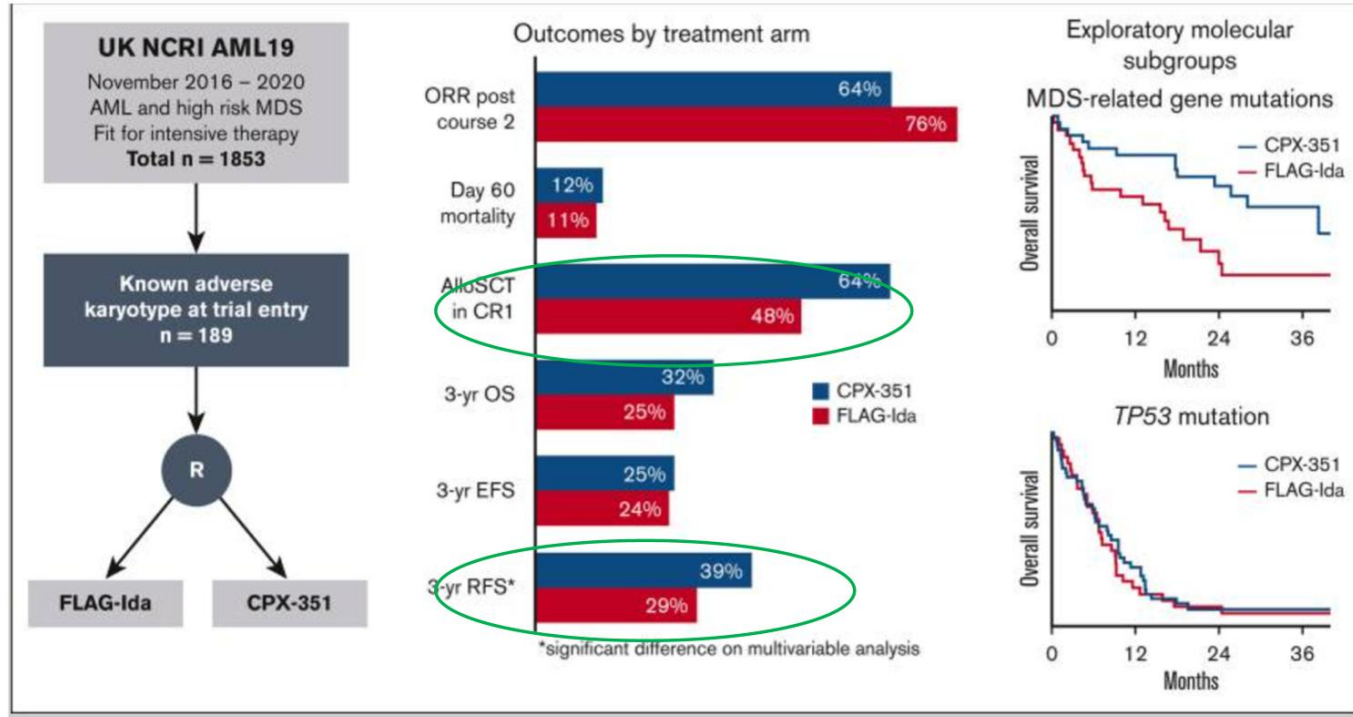


| Months from HCT | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 | 39 | 42 | 45 | 48 | 51 | 54 | 57 | 60 | 63 | 66 | 69 | 72 | |
|-----------------|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|----|---|
| CPX-351 | 53 | 48 | 42 | 37 | 35 | 35 | 32 | 31 | 29 | 28 | 28 | 28 | 27 | 27 | 26 | 24 | 24 | 21 | 15 | 6 | 2 | 0 | 0 | 0 | 0 | 0 |
| 7+3 | 39 | 31 | 27 | 20 | 18 | 14 | 12 | 12 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 9 | 8 | 2 | 0 | 0 | 0 | 0 | 0 | 0 |

At 5 years' follow-up, the median OS landmarked from the date of HSCT was maintained above 50% at 5 years for Vyxeos Liposomal

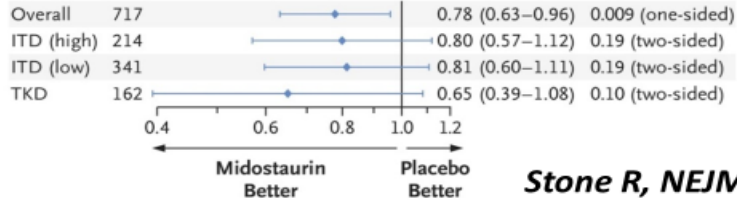
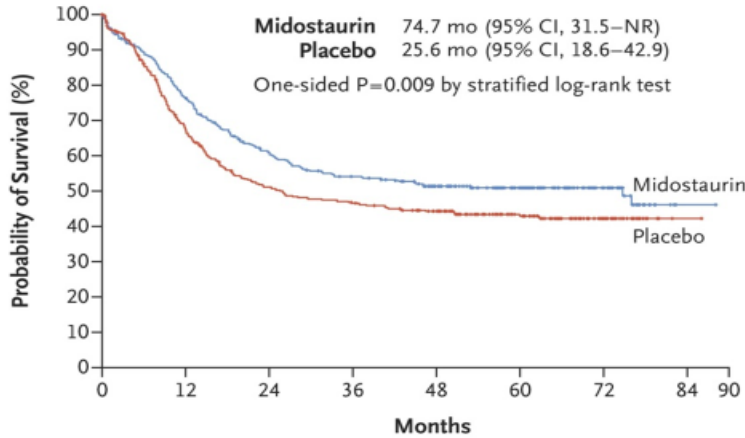
AML MR in Study 301





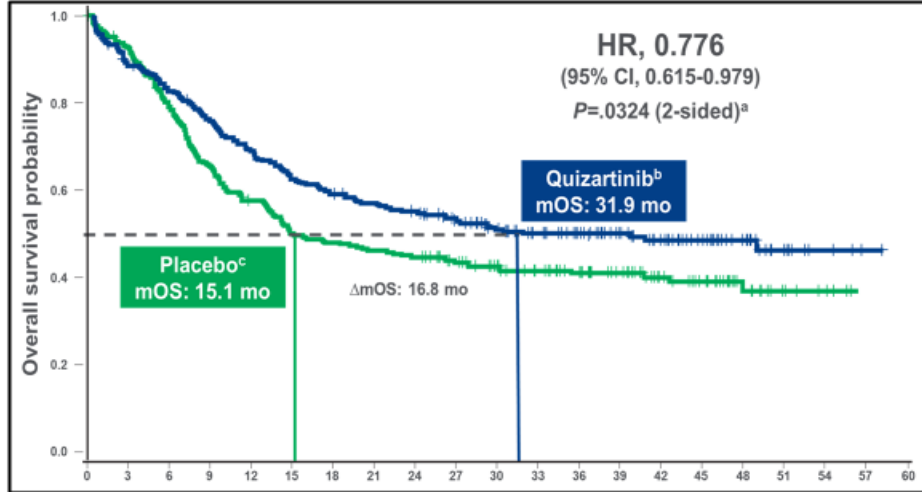
- *FLT3+* AML, patients aged 18-60

A Median Overall Survival



Stone R, NEJM 2017

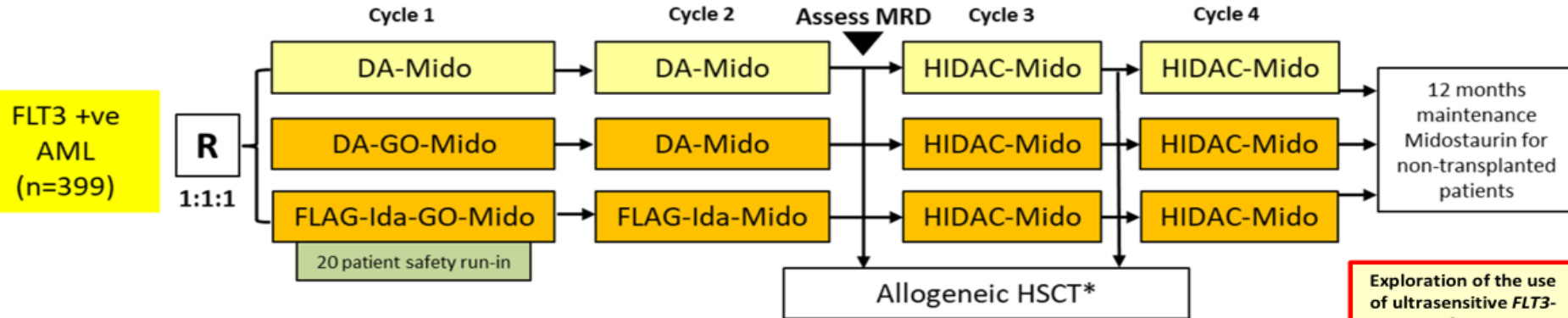
- *FLT3-ITD+* AML, patients aged 18-75



- 40% patients were aged >60yrs
- 36% CR1 transplant rate (vs 25% in RATIFY)
- Included post-BMT maintenance (up to 3yrs)

Erba H, Lancet 2023

- Newly diagnosed AML, fit to receive intensive therapy
- Age ≥ 16 yrs (no upper limit)
- Confirmed *FLT3* ITD or TKD mutation



Primary Endpoint:
Event free survival

***Allogeneic haematopoietic stem cell transplant in 1st CR**

recommended for:

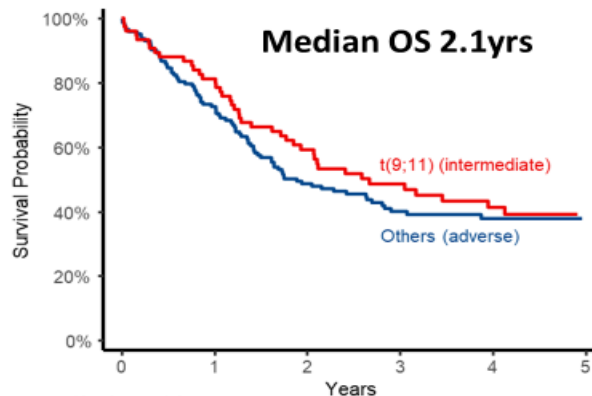
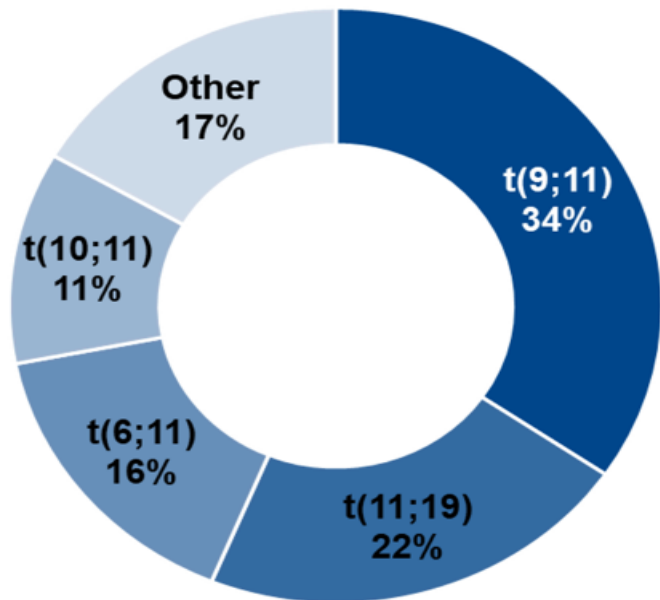
- *FLT3*+/*NPM1*+ with PB *NPM1* qPCR+ post cycle 2
- *FLT3*+/*NPM1*- patients with baseline *FLT3*m $\geq 5\%$ *

- Myeloablative conditioning following cycle 2 where practical for patients $\leq 40-45$ yrs
- Reduced intensity conditioning (RIC) following cycle 3 for patients aged $\geq 40-45$ yrs

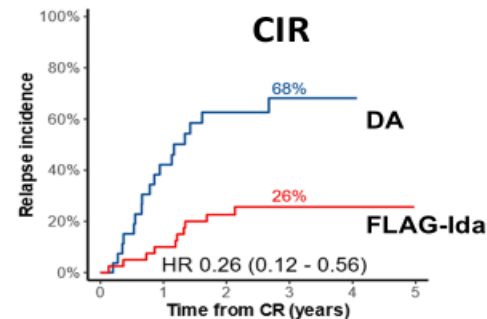
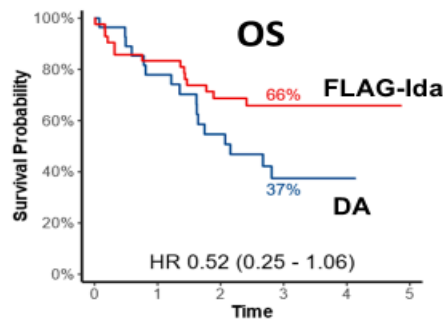
Exploration of the use of ultrasensitive *FLT3*-NGS for MRD monitoring

KMT2A-rearranged AML: NCRI trials experience

- 217 patients from AML17 & 19 trials
- Median age 41yrs (16-69)



AML19: FLAG-Ida vs DA (n=70)

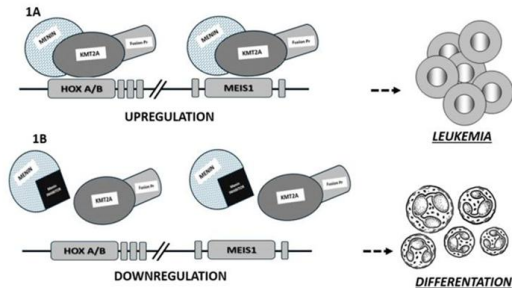


Othman. ASH 2024 (abstract 845)

KMT2Ar AML: Combining menin inhibitors with intensive chemotherapy

Menin inhibitors in *KMT2A* /*NPM1*

Menin binds to KMT2A → aberrant HOX /MEIS expression
→ differentiation block and leukaemic transformation



1. Issa et al; JCO, 2024

Ziftomenib combined with intensive induction (7+3) in newly diagnosed NPM1-m or KMT2A-r acute myeloid leukemia: KOMET-007

Well tolerated

CR rates 83% with 75% MRD negativity

Amer Zeidan; ASH 2024

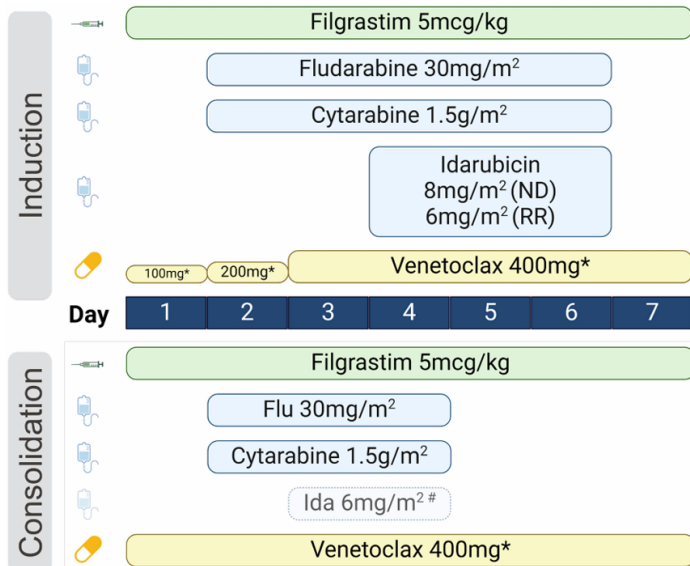
Adding venetoclax to existing regimens

| Regimen | Median age in years (range) | N | CR + CRi | Median OS | Allo HSCT | Median FU |
|--------------------------------|-----------------------------|----|----------|-----------|-----------|-----------|
| Median age >60-65: | | | | | | |
| 5+2+VEN ¹ | 72 (63-80) | 81 | 75% | 15.4mo | 4% | 41.8 mo |
| CLAD/LDAC/ VEN ² | 68 (57-84) | 60 | 93% | NR | 48% | 22 mo |
| Median age ≤60: | | | | | | |
| FLAG-Ida VEN ³ | 45 (20-67) | 77 | 95% | NR | 64% | 32 mo |
| CLIA+VEN ⁴ | 48 (18-64) | 50 | 94% | NR | 32% | 14 mo |
| 7+3+VEN ⁵ | 40 (18-60) | 33 | 91% | NR | 36% | 11 mo |
| 7+3+VEN ⁶ | 59 (27-71) | 34 | 85% | NR | 29% | 9.6 mo |

1. Chua, *Bld Adv*, 20252. Kadia, *JCO*, 20223. DiNardo, *Leukemia*, 20254. Kadia, *Lancet Haem*, 20185. Wang, *Lancet Haem*, 20226. Mantzaris, *ASH* 2024

Credit: A. Wei

FLAG-Ida-Ven in frontline and R/R AML

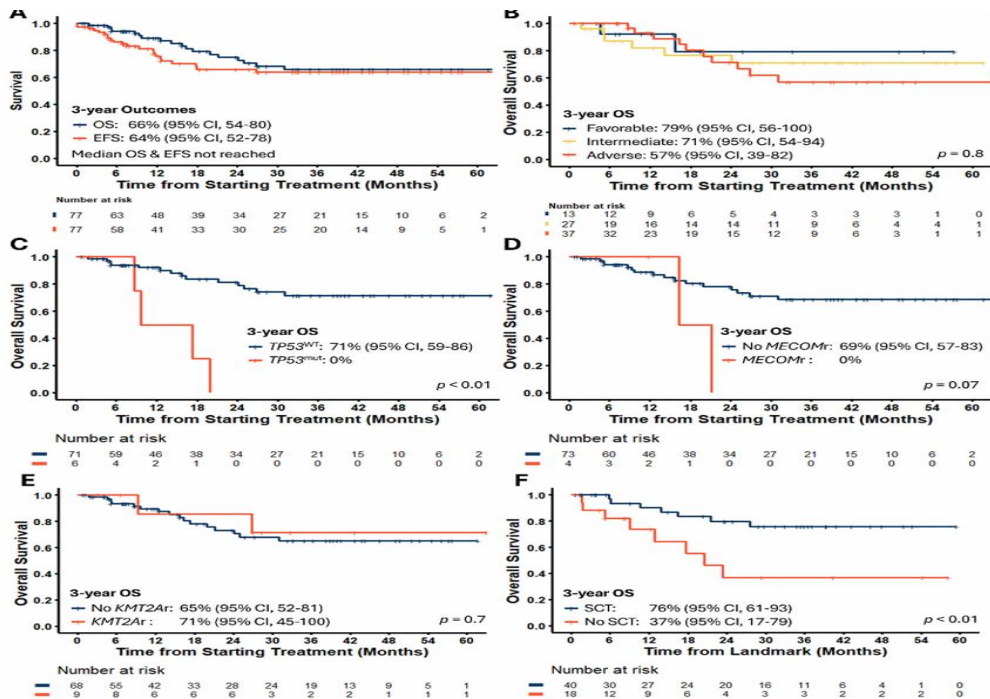


| Outcome | ND Cohort | | | | RR | | |
|--------------------|---------------|---------------------|------------------------|-------------------|---------------|--|--|
| | All n = 77 | Favorable n = 13 | Intermediate n = 27 | Adverse n = 37 | All n = 61 | S1 & <i>TP53</i> ^{WT} n = 34 | S2+ / <i>TP53</i> ^{mut} n = 27 |
| ORR, n(%) | 75 (97) | 13 (100) | 26 (96) | 36 (97) | 41 (67) | 27 (79) | 14 (52) |
| CRc, n(%) | 73 (95) | 13 (100) | 26 (96) | 34 (92) | 39 (64) | 25 (74) | 14 (52) |
| CR, n(%) | 63 (82) | 13 (100) | 25 (93) | 25 (68) | 25 (41) | 19 (56) | 6 (22) |
| CRh, n(%) | 3 (4) | 0 | 1 (4) | 2 (5) | 7 (12) | 4 (12) | 3 (11) |
| CRI, n(%) | 7 (9) | 0 | 0 | 7 (19) | 7 (12) | 2 (6) | 5 (19) |
| MLFS, n(%) | 2 (3) | 0 | 0 | 2 (5) | 2 (3) | 2 (6) | 0 |
| NR, n(%) | 2 (3) | 0 | 1 (4) | 1 (3) | 20 (32) | 7 (21) | 13 (48) |
| MRD Negative, n(%) | 66 (90) | 12 (92) | 24 (92) | 30 (88) | 29 (74) | 19 (76) | 10 (71) |
| mOS, mo (95% CI) | NR | NR | NR | NR | 12 (9–34) | NR | 9 (5–15) |
| 3y OS, % (95% CI) | 66 (54–80) | 79 (56–100) | 71 (54–94) | 57 (39–82) | 32 (21–48) | 51 (34–75) | 13 (5–36) |
| mEFS, mo (95% CI) | NR | NR | NR | NR | 7 (4–21) | 23 (7–NE) | 3 (0–8) |
| 3y EFS, % (95% CI) | 64 (52–78) | 85 (67–100) | 68 (50–91) | 54 (38–77) | 27 (18–43) | 42 (27–65) | 10 (3–33) |

Response rates and survival data by cohort and sub-group. ND: newly-diagnosed; RR: relapsed or refractory; S1 & *TP53*^{WT}: patients in first

Di Nardo et al; Leukaemia 2025

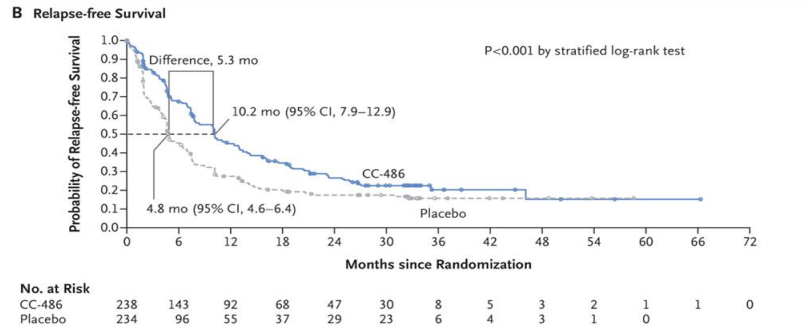
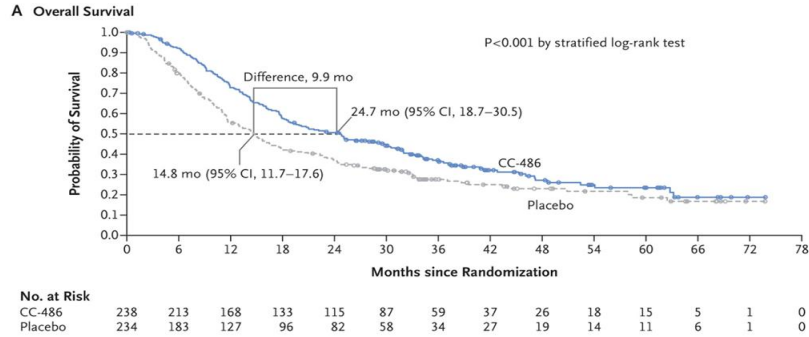
FLAG-Ida-Ven in frontline: Outcomes



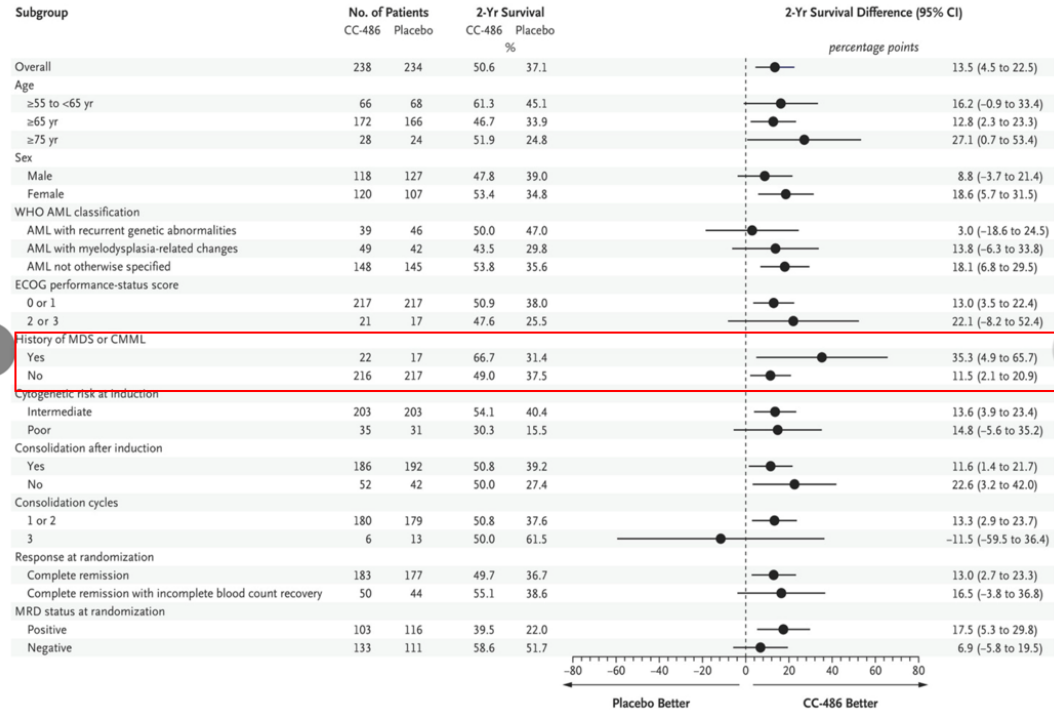
What about High Risk AML pts fit for intensive but cannot have a transplant?

Maintenance with oral Azacitidine: QUAZAR Trial

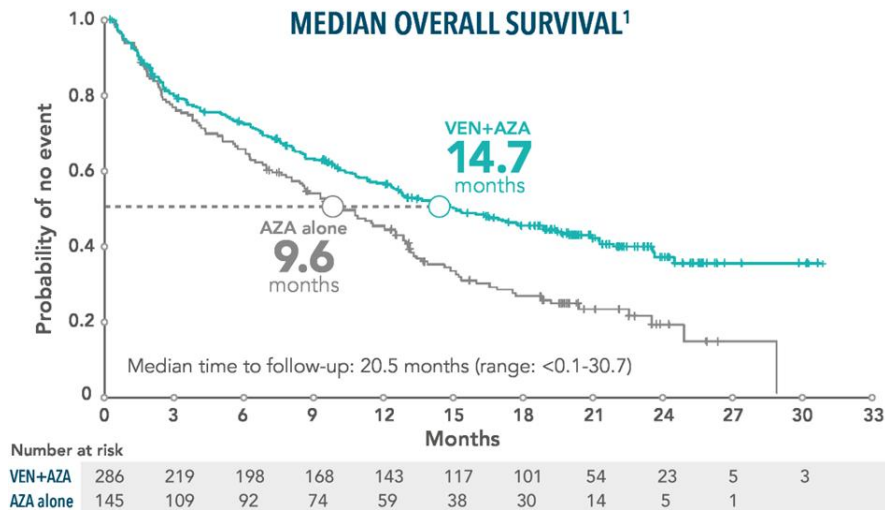
4th edition
 Unmet challenges in high risk hematological malignancies: from bedside to clinical practice



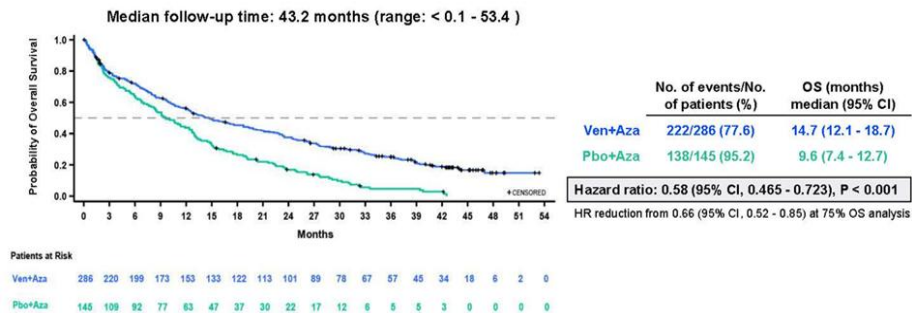
Wei AH et al; N Engl J Med 2020



Frontline Non intensive: VIALE-A



Long term follow up of VIALE-A



The distributions were estimated for each treatment arm using Kaplan-Meier methodology and compared using the log-rank test stratified by age (18-75, ≥75 years) and cytogenetic risk (intermediate risk, poor risk). The hazard ratio between treatment arms were estimated using the Cox proportional hazards model with the same stratification factors used in the log-rank test. Data cutoff: 01 Dec 2021. Abbreviations: AZA, azacitidine; Pbo, placebo; Ven, venetoclax.

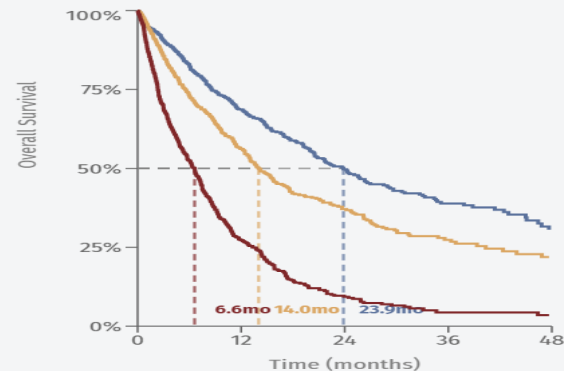
1. Pratz KW et al. Oral Presentation 219, ASH 2022, New Orleans, USA. 2. Di Nardo CD et al. N Engl J Med. 2022;387(7):617-29

Risk stratification in non intensively treated pts: Risk calculators

| Risk Category | Genetic Abnormality | Median Overall Survival (months) |
|---------------|---|----------------------------------|
| Favourable | • Mutated <i>NPM1</i> (<i>FLT3</i> -ITDneg, <i>NRAS</i> wt, <i>KRAS</i> wt, <i>TP53</i> wt) | 39 |
| | • Mutated <i>IDH2</i> (<i>FLT3</i> -ITDneg, <i>NRAS</i> wt, <i>KRAS</i> wt, <i>TP53</i> wt) | 37 |
| | • Mutated <i>IDH1</i> * (<i>TP53</i> wt) | 29 |
| | • Mutated <i>DDX41</i> | >24 |
| | • Other cytogenetic and/or molecular abnormalities (<i>FLT3</i> -ITDneg, <i>NRAS</i> wt, <i>KRAS</i> wt, <i>TP53</i> wt) | 23 |
| Intermediate | • AML with myelodysplasia-related gene mutations (<i>FLT3</i> -ITDpos and/or <i>NRAS</i> mut and/or <i>KRAS</i> mut; <i>TP53</i> wt) | 13 |
| | • Other cytogenetic and molecular abnormalities (<i>FLT3</i> -ITDpos and/or <i>NRAS</i> mut and/or <i>KRAS</i> mut; <i>TP53</i> wt) | 12 |
| Adverse | • Mutated <i>TP53</i> | 5-8 |

PRISM Risk Group Survival

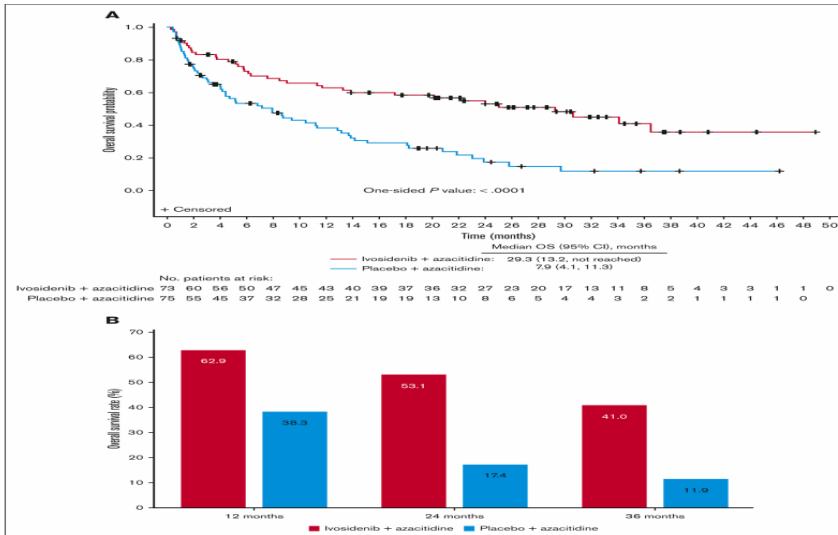
Calculate PRISM Risk Score to highlight patient group.



| Risk Group | n | Median OS | 12-month | 24-month | 36-month |
|------------|-----|-----------|----------|----------|----------|
| Low | 652 | 23.9 | 69% | 50% | 39% |
| Moderate | 681 | 14.0 | 56% | 37% | 27% |
| High | 639 | 6.6 | 27% | 9% | 4% |

Ivosidenib + Aza in IDH1 mutated AML: AGILE trial

Long-term results from the AGILE study of azacitidine plus ivosidenib vs placebo in newly diagnosed IDH1-mutated AML



Pau Montesinos Blood Adv

Triplet regimens on Ven-HMA backbone for unfit AML

- Ven-Aza + Ivo/ Enasidenib for IDH1/IDH2m AML
- Oral Decitabine + Ven+ Ivo/Enasidenib
- Ven-Aza +/- Revumenib

EVOLVE-1 trial: Ivosidenib / azacitidine with venetoclax or placebo in older, unfit patients with *IDH1*-mutated AML

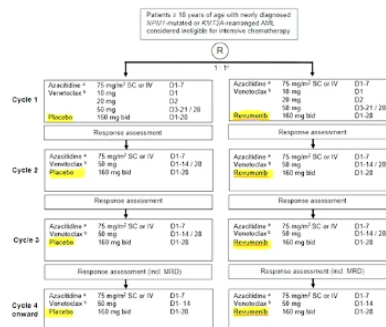
HOVON 173 AML / AMLSG 34-23 / ACT-HOV-AML-001



- Inclusion of 227 pts (3 years)
- Screening (6%): 4730 pts (assuming 20% screen failure)
- Selection +/- 150 sites committed to competitive timelines (accrual & quality data)
- Primary endpoint EFS

EVOLVE-2

Randomized study to assess revumenib in combination with azacitidine + venetoclax in adult patients with newly diagnosed NPM1-mutated or KMT2A-rearranged AML ineligible for intensive chemotherapy
HOVON 177 / AMLSG 35-24 /



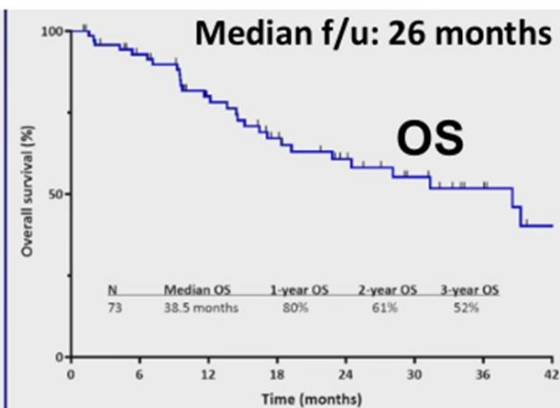
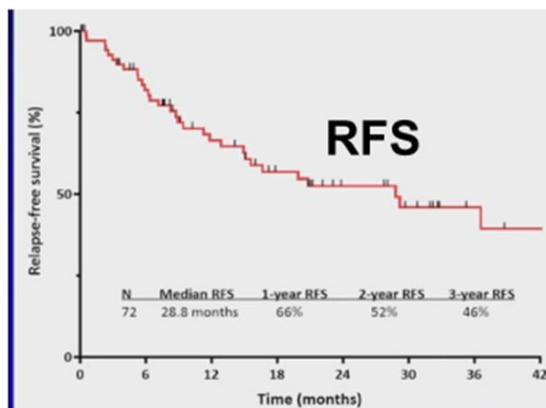
- Inclusion of 368 pts (26 months)
- Screening 3834 pts (assuming 12% NPM1-mut & 20% screen failures)
- Primary endpoint OS

Moving towards HMA/Ven/FLT3 inhibitor triplets?

- Retrospective single centre analysis of 70 FLT3-mutated patients – **median age 70** (18-88)
- HMA/Ven combined with gilteritinib (49), quizartinib (18), sorafenib (5), midostaurin (1)

| | |
|------------------------------|----------------|
| Response, N (%) | N=73 |
| CRc (CR+CRi) | 68 (93) |
| CR | 60 (82) |
| CRi | 8 (11) |
| MLFS | 4 (6) |
| ORR (CR + CRi + MLFS) | 72 (99) |
| Early death | 1 (1) |

48/59 (81%) of responders flow MRD neg



Short. ASH 2024 (abstract 220)



ACT-AML-902 – QUIZZICAL

- Proposed prospective UK/US randomised phase 2b study
- FLT3-ITD+, previously untreated, fit older adults
- HMA/Ven/Quizartinib vs DA-Quizartinib



Frontline for older AML: Clad-LDAC-ven-aza

Venetoclax added to Cladribine/LDAC alternating with 5-AZA

Consolidation : Alternating 2 cycles of A and B

Cladribine 5 mg/m² on D1-5
AraC 20 mg SQ BID on D1-10
Venetoclax on D1-21*

Induction (Cycle 1)

Cladribine 5 mg/m² on D1-3
AraC 20 mg SQ BID on D1-10
Venetoclax on D1-14*

Consolidation (Cycle 2)

5-AZA 75 mg/m² on D1-7
Venetoclax on D1-14*

Consolidation (Cycle 3-4)

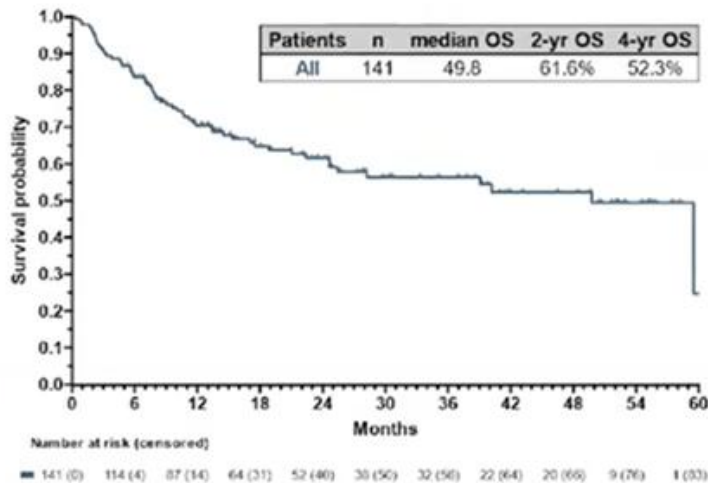
Venetoclax Dosing (PO Daily on Days 1 – 21)

| Dose Level | Patients on strong CYP3A inhibitor | Patients on moderate CYP3A inhibitor | Patients not on CYP3A inhibitor |
|------------|------------------------------------|--------------------------------------|---------------------------------|
| -1 | 50 mg | 100 mg | 200 mg |
| 1 | 100 mg | 200 mg | 400 mg |

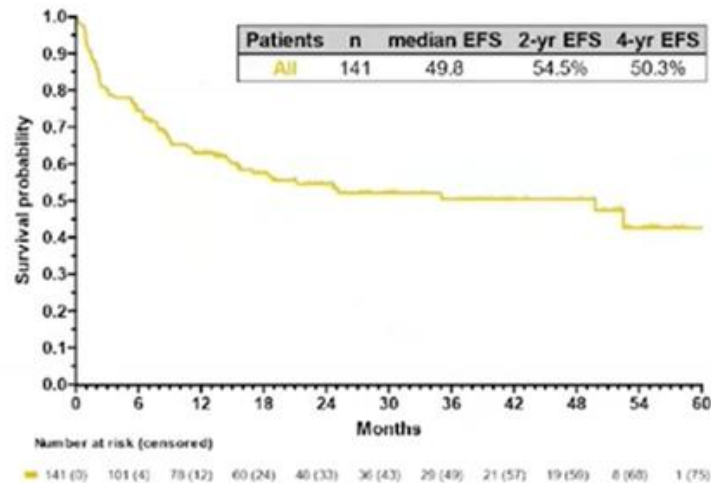
Kadla. JCO 40: 3848-3857;2022.

Median follow-up: 28 months

Overall Survival



Event-free Survival

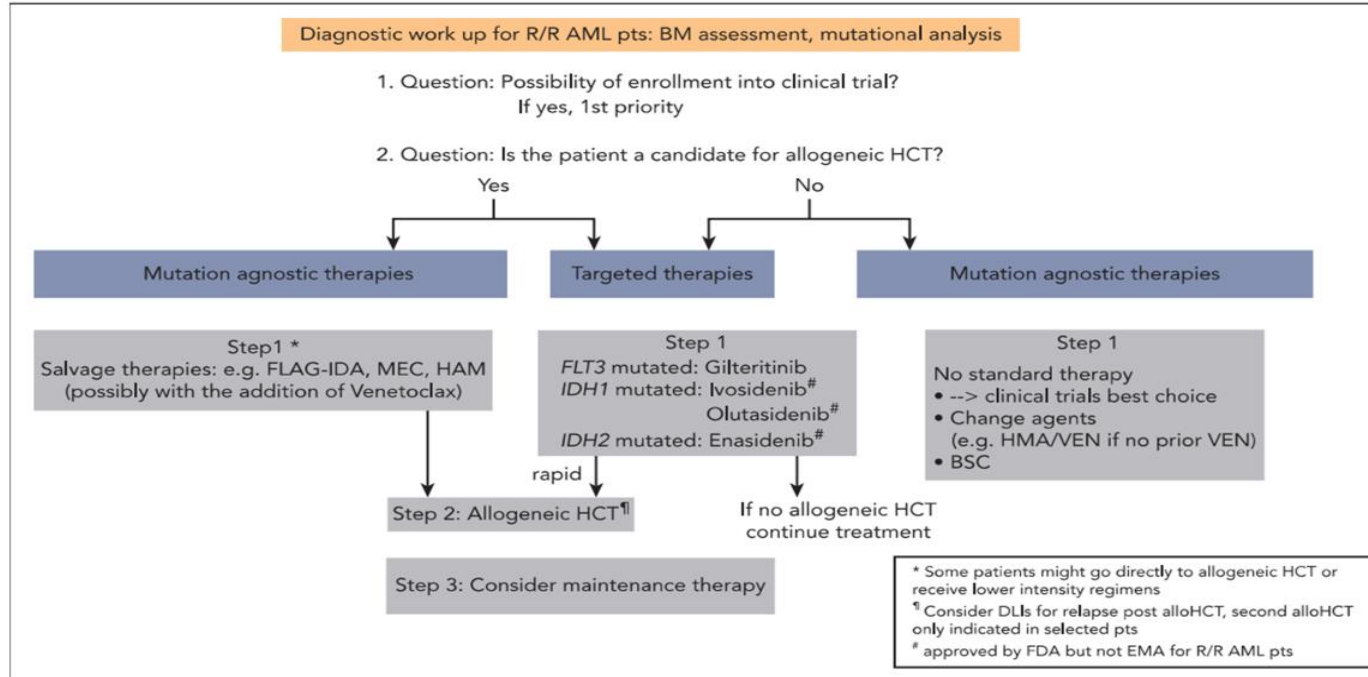


All oral non intensive: Ven+ cedazuridine + decitabine (ASCERTAIN-V trial)

| TRIAL | COMPARATOR | Median OS | CR | CR + CRi |
|--------------------------------|---------------------------|--|-----------------------------------|-------------------------------|
| ASCERTAIN-V¹ | DEC-C+VEN (single-arm) | 15.51 months (95% CI: 7.59, NE) | CR: 46.5% (95% CI: 36.5, 56.7) | 63.4% (95% CI: 53.2, 72.7) |
| VIALE-A² | AZA+VEN vs AZA | 14.7 months | 38.8% | 66.8% |

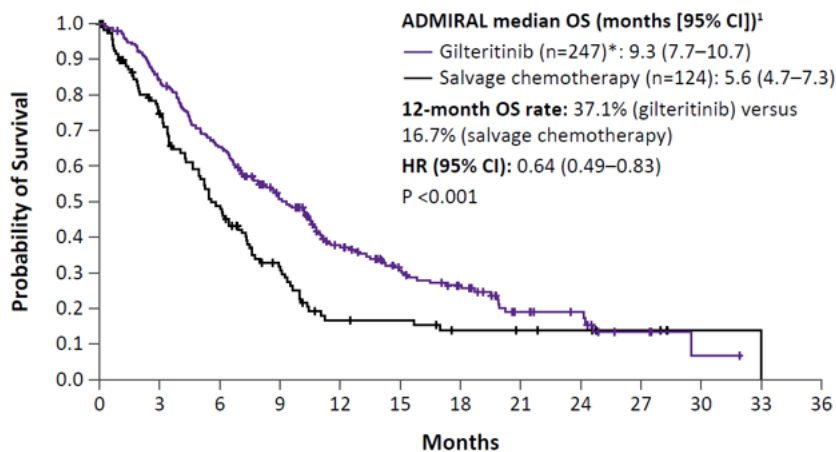
Notes: ASCERTAIN-V has ~11 months of follow-up, compared to the ~45 months of VIALE-A follow-up.^{1,2}

Treatment algorithm for R/R AML



Thol et al; Blood (2024) 143 (1): 11–20.

Flt3 mutated R/R AML: ADMIRAL trial



No. at Risk

| | 0 | 3 | 6 | 9 | 12 | 15 | 18 | 21 | 24 | 27 | 30 | 33 | 36 |
|----------------------|-----|-----|-----|-----|----|----|----|----|----|----|----|----|----|
| Gilteritinib | 247 | 206 | 157 | 106 | 64 | 44 | 31 | 14 | 11 | 4 | 1 | 0 | 0 |
| Salvage chemotherapy | 124 | 84 | 52 | 29 | 13 | 12 | 8 | 7 | 5 | 3 | 1 | 0 | 0 |

| | <i>FLT3-ITD</i> alone | |
|-------------------|-----------------------|------------------------------|
| | Gilteritinib (n=215) | Salvage chemotherapy (n=113) |
| Median OS, months | 9.3 | 5.6 |
| HR (95% CI) | 0.62 (0.47–0.82) | |
| | <i>FLT3-TKD</i> alone | |
| | Gilteritinib (n=21) | Salvage chemotherapy (n=10) |
| Median OS, months | 8.0 | 5.7 |
| HR (95% CI) | 0.69 (0.29–1.64) | |

1. Perl AE, et al. *N Engl J Med* 2019;381:1728–1740.

Menin inhibitors in relapsed NPM1/ KMT2A mutated AML

| Drug | Trial (ClinicalTrials.gov ID) | Phase | Regimen | Patient Population | Eligibility |
|---------------------------------|------------------------------------|-------|--|------------------------------------|---|
| Revumenib (SNDX-5613) | AUGMENT-101 (NCT04065399) | I/II | Revumenib monotherapy | 131 Adults and children | R/R KMT2Ar AL, NPM1c AML |
| | AUGMENT-102 (NCT05326516) | I | -AML: Revumenib/FLA ± Revumenib/FLA -ALL/MPAL: Revumenib/Pred/VCR/ASP/DNR | 30 Adults and children | R/R KMT2Ar AL, NPM1c or NUP98r AML |
| | (NCT05761171) | II | Revumenib/FLA, MTX | Children (recruiting) | R/R KMT2Ar ALL |
| | SAVE (NCT05360160) | I/II | Revumenib/ASTX727/VEN | 8 Adults and children (recruiting) | R/R AML or MPAL |
| | BeatAML substudy (NCT03013998) | I | Revumenib/VEN/AZA | 13 Adults | Newly diagnosed KMT2Ar or NPM1c AML |
| Ziftomenib (KO-539) | KOMET-001 (NCT 04067336) | I/II | Ziftomenib monotherapy | 30 Adults | Phase 1a: R/R AML Phase 1b/2: KMT2Ar or NPM1c AML |
| | KOMET-007 (NCT05735184) | I | -Newly diagnosed AML: Ziftomenib/7 + 3 -R/R AML: ziftomenib/VEN/AZA | 20 Adults | Newly diagnosed and R/R KMT2Ar or NPM1c AML |
| JNJ-75276617 | NCT04811560 | I | JNJ-75276617 monotherapy | 58 Adults | R/R KMT2Ar AL, NPM1c AML |
| | NCT05453903 | I | JNJ-75276617/VEN, JNJ-75276617/AZA or JNJ-75276617/VEN/AZA | Adults (recruiting) | R/R KMT2Ar AL, NPM1c AML |
| | NCT05521087 | I | AML: JNJ-75276617/FLA ALL: JNJ-75276617/DEX/VCR/ASP | Adults and children (recruiting) | R/R KMT2Ar AL, NPM1c ALL/AML, NPM1c or NUP98r AML |
| BMF-219 | COVALENT-101 (NCT05153330) | I | BMF-219 monotherapy | 26 Adults | R/R AL, DLBCL or MM |
| DS-1594 | NCT04752163 | I/II | DS-1594 = AZA, VEN or mini-HCVD | 17 Adults | Phase 1: R/R AL Phase 2: R/R KMT2Ar ALL/AML, NPM1c AML |
| DSP-5336 | NCT04988555 | I/II | DSP-5336 monotherapy | 4 Adults | Phase 1: R/R AL Phase 2: R/R KMT2Ar ALL/AML, NPM1c AML |

Salvage Regimens

Regimen

HiDAC+/- anthracycline (daunorubicin or idarubicin or mitoxantrone)

FLAG-Ida or FLA-Ida

Mitoxantrone, Etoposide, AraC (MEC)

Cladribine, AraC, Mitoxantrone, G-CSF (CLAG-M)

Allogeneic Transplant with active disease

Venetoclax based

FLAG-Ida plus Venetoclax

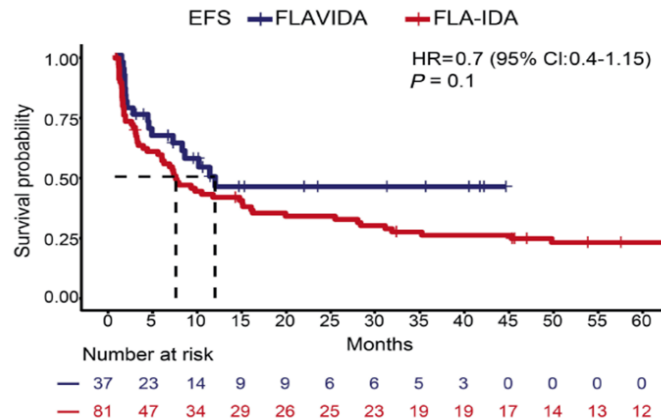
HiDAC+Mitoxantrone + Venetoclax. (HAM-Ven)

Venetoclax plus Azacitidine **ORR 62% vs 42%**
TPC¹

1. Unglaub et al; Blood Adv, 2025

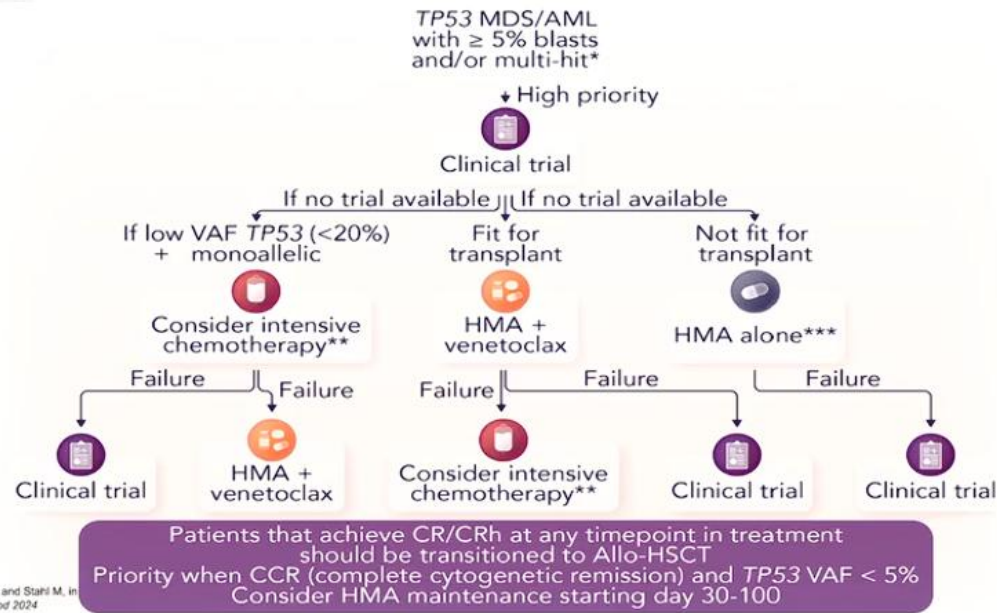
Retrospective comparison R/R patients

- ORR after 1 course: 47% FLA-Ida vs 78% FLAVIDA
- ~ 80% after either proceeded to alloHCT or DLI



Shahswar et al; Haematologica (2023)

Treatment of TP53 mutated AML



In trials/ therapeutic options:

Pivekimab
Sunirine
Cusatuzumab
HMA maintenance
DLI's

Summary: New therapies in HR AML

- Identification of HR AML at diagnosis, targetable mutations and using MRD detection through treatment
- Targeted therapies may add efficacy and reduce toxicity in intensive and non intensive chemotherapy regimens
- Sequencing non intensive chemotherapy may improve outcomes in older patients
- Design of clinical trials with new therapies and participation in clinical trials is paramount

Thank you

