



CASES

INSIGHTS INTO ACUTE MYELOID LEUKEMIA (AML)

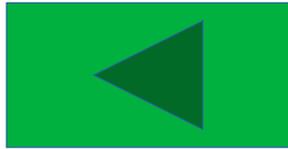
April 15, 2021

Central United States Region

HOW TO NAVIGATE THIS REPORT



Click to move to topic of interest or ARS supporting data



Click to return to previous slide

Topic

Report Objectives



Report Snapshot

- Session overview
- Attendee overview
- Agenda



Topline Takeaways and Strategic Recommendations



Key Insights and Discussion Summary

- First-line treatment of AML
- Management of relapsed/refractory AML



Advisor Key Takeaways



ARS Data



STUDY OBJECTIVES

- > To gain perspectives on community oncology treatment practices in first-line treatment of AML, management of relapsed/refractory AML, and promising strategies in AML
- > To gain insight into the influence of recent data and approvals on community treatment practices

REPORT SNAPSHOT: SESSION OVERVIEW



A moderated roundtable discussion was held with community oncologists from across the Central region of the United States in a virtual setting on **April 15, 2021**

Disease state and data presentations were led by **Dr Gabriel N. Mannis** from Stanford Cancer Center and discussions moderated by **Dr Elias Jabbour** from MD Anderson Cancer Center, in conjunction with content developed by the Aptitude Health clinical team

Insights on the **treatment and management of AML patients in the community setting** were obtained

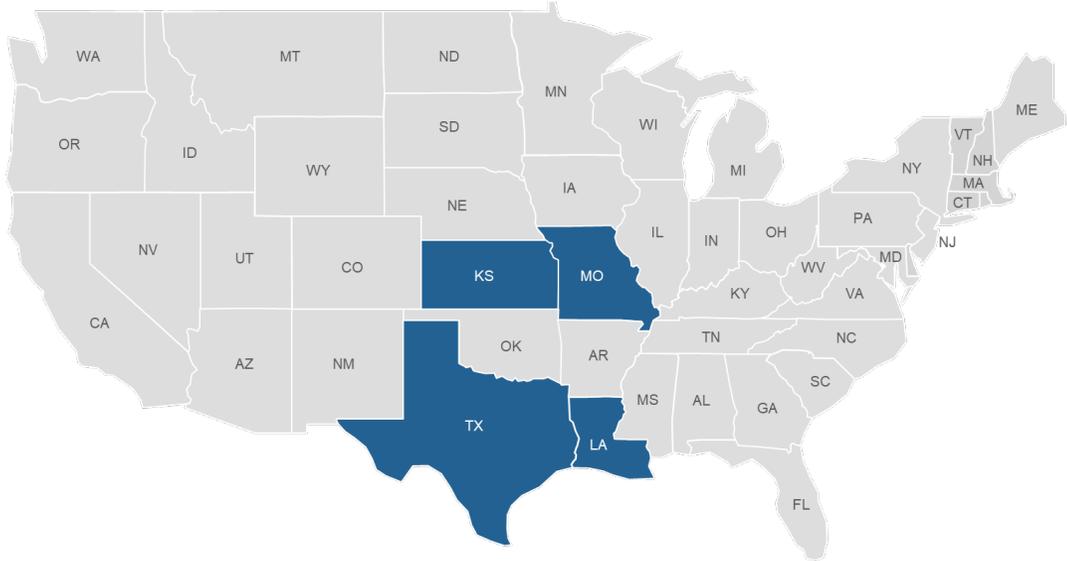
Data collection was accomplished through use of audience response system (ARS) questioning and in-depth moderated discussion

REPORT SNAPSHOT: ATTENDEE OVERVIEW



- > The group of advisors comprised 10 community oncologists from across the Central United States
 - Attendees of the roundtable represented community oncologists from Kansas, Louisiana, Missouri, and Texas

INSTITUTION	CITY	STATE
The Center for Cancer & Blood Disorders	Fort Worth	TX
Cancer Center of Kansas	Wichita	KS
Texas Oncology	Dallas	TX
Texas Oncology	Tyler	TX
Texas Oncology	Wichita Falls	TX
Ochsner Medical Center	New Orleans	LA
Saint Louis University	Saint Louis	MO
Oncology Consultants	Houston	TX



REPORT SNAPSHOT: ATTENDEE DEMOGRAPHICS (1/2)



What percentage of your AML patients fall into the poor-risk category? (N = 9)



FOR EXAMPLE PURPOSES ONLY

[Blurred text area]

ATTENDEE DEMOGRAPHICS (2/2)

What percentage of your AML patients are 75 years or older? (N = 10)

What percentage of your AML patients are under 75 years old, but have comorbidities that prevent use of intensive chemotherapy? (N = 10)

FOR EXAMPLE PURPOSES ONLY

Time (CT)	Topic
6.00 PM – 6.15 PM (15 min)	Introduction
6.15 PM – 7.25 PM (70 min)	First-Line Treatment of AML
7.25 PM – 7.35 PM (10 min)	Break
7.35 PM – 8.45 PM (70 min)	Management of Relapsed/Refractory AML and Promising Strategies in AML
8.45 PM – 9.00 PM (15 min)	Key Takeaways and Meeting Evaluation

 CASES Key Insights and
Discussion Summary

How and when is MRI assessed by community oncologists and does it impact use of abiraterone in the frontline setting?

MRI is mainly assessed at complete response (CR) by either radiologic PSA, MRI or radiologic free Abiraterone is used to treat mCRPC patients in the frontline by about half of the address (CR)

- MRI is assessed at CR by half of address (CR). The other reports assess MRI at CR and 3 months from induction, and every 3 months thereafter (CR). Only a few reports (10%) assess MRI monthly
 - The most common approach is performed either by the pathologist in the transplant centers, or by the address themselves, depending on the hospital
 - Most of the address were aware of the importance of sending the first sample of urine response reports for MRI assessment
- MRI assessment methods mostly used by the address are radiologic PSA (CR) and MRI (CR). The radiologic free is used by 20% of address
 - Although MRI is considered more precise in detecting MRI when compared with PSA, its use is limited by the cost, which is considered still too expensive by most address
- Generally, when patients are MRI+ following induction, the induction therapy is extended, followed by consolidation
 - However, at least 3 address are using abiraterone to reduce MRI negatively after induction in address or after consolidation of address. The remaining address would refer their patients to transplant departments

How and when is MRI assessed by community oncologists and does it impact use of abiraterone in the frontline setting?

MRI is mainly assessed at complete response (CR) by either radiologic PSA, MRI or radiologic free Abiraterone is used to treat mCRPC patients in the frontline by about half of the address (PSA)

- MRI is assessed at CR by half of address (PSA). The other reports assess MRI at CR and 3 months from induction, and every 3 months thereafter (PSA). Only a few reports (10%) assess MRI monthly.
 - The most common approach is performed either by the pathologist in the transplant centers, or by the address themselves, depending on the facility
 - Most of the address were aware of the importance of sending the first sample of urine response reports for MRI assessment
- MRI assessment methods mostly used by the address are radiologic PSA (20%) and MRI (20%). The radiologic free is used by 20% of address.
 - Although MRI is considered more precise in detecting MRI when compared with PSA, its use is limited by the cost, which is considered still too expensive by most address
- Generally, when patients are MRI+ following induction, the induction therapy is extended, followed by consolidation.
 - However, at least 3 address are using abiraterone to reduce MRI negatively after induction in address or after consolidation of address. The remaining address would refer their patients to transplant departments.

How and when is MRI assessed by community oncologists and does it impact use of abiraterone in the frontline setting?

MRI is mainly assessed at complete response (CR) by either radiologic PSA, MRI or radiologic free Abiraterone is used to treat mCRPC patients in the frontline by about half of the address (PSA)

- MRI is assessed at CR by half of address (PSA). The other reports assess MRI at CR and 3 months from induction, and every 3 months thereafter (PSA). Only a few reports (10%) assess MRI monthly.
 - The most common approach is performed either by the pathologist in the transplant centers, or by the address themselves, depending on the facility
 - Most of the address were aware of the importance of sending the first sample of urine sample reports for MRI assessment
- MRI assessment methods mostly used by the address are radiologic PSA (20%) and MRI (20%). The radiologic free is used by 20% of address.
 - Although MRI is considered more precise in detecting MRI when compared with PSA, its use is limited by the cost, which is considered still too expensive by most address
- Generally, when patients are MRI+ following induction, the induction therapy is extended, followed by consolidation.
 - However, at least 3 address are using abiraterone to reduce MRI negatively after induction in address or after consolidation of address. The remaining address would refer their patients to transplant departments.

How and when is WBC assessed by community oncologists and does it impact use of intratumoral in the frontline setting?

WBC is mainly assessed at complete response (CR) by either molecular PCR, WBC or multiple flow. Intratumoral is used to treat WBC+ patients in the frontline by about half of the address (CR)

- WBC is assessed at CR by half of address (CR). The other reports assess WBC at CR and 2 months from induction, and every 2 months thereafter (CR). Only a few reports (10%) assess WBC monthly.
 - The most common approach is performed either by the pathologist in the transplant center, or by the address themselves, depending on the hospital.
 - Most of the address were aware of the importance of sending the first sample of bone marrow aspirate for WBC assessment.
- WBC assessment methods mainly used by the address are molecular PCR (CR) and WBC (CR). The multiple flow is used by 20% of address.
 - Although WBC is considered more precise in detecting WBC when compared with PCR, its use is limited by the cost, which is considered still too expensive by most address.
- Generally, when patients are WBC+ following induction, the induction therapy is extended, followed by consolidation.
 - However, at least 3 address are using intratumoral to reduce WBC negatively after induction in address or after consolidation of address. The remaining address would refer their patients to transplant departments.

DISCUSSION: FIRST-LINE TREATMENT OF AML (2/2)



First-Line Treatment of AML – INSIGHTS AND DATA

"[In induction treatment] when I use antifungal therapy I use posaconazole. I reduce the dose of venetoclax to 200. I used to give the treatment for

Treatment success in frontline AML

The overall survival data were very good. This is not necessarily because this is a better disease, as we have never seen...
I would not use a treatment approach with that using 100 or 150, and I would use...
I would use a lower dose of 100 mg, I believe, as that 100 is important. There is...
significant toxicity with the treatment, and people going from complete...
remission.

Time needed to achieve CR1 in frontline

This is all a lot of things have been done, getting a better than 80% CR1 and...
CR2. It really helps with how 80% CR1 patients do in overall...
I would use a 100 mg dose. I would not be one of the 100 mg or more based on...
150 or anything like that. I want something that's not too high and not too low...
and I would...
I think the 100 mg is not very good. I think a lower dose of 100 mg is better...
something that I would be looking at...
I think overall data, that's what we're looking at. I think the overall data...
is not as good as we would hope for efficacy. So, I think that's a...
questionable overall data of what is that, what's going to be...
the use of any...
100 is not sufficient.



Advisor Key Takeaways



ADVISOR KEY TAKEAWAYS (1/3)



ADVISOR

ADVISOR

> I can use less venetoclax and have good efficacy: I'm

- I have a better understanding of sequencing therapy
- I really want to talk to the oncologist and understand how to use a better understanding of these drugs and have a better idea of when to use them in my practice

- I have a better understanding of some of my other options
- I'm particularly interested in the combination and how that will work for me and how it will be compared to a sequential option for my own clinical practice
- There's a lot more information to suggest therapy and to bring the oncologist that may offer some other options

- It was good to hear about combination and what's coming down the pipeline for immunotherapy

- There's a lot of good options for second line that just look like you're managing with second line other people and good response rate
- Sequencing is an issue

- The combination therapy, adding the new to have different options besides FOLFOX and what is going to look like

- It's hoping that some of these immunotherapy agents will get added into practice and hopefully improve the look like

- It's interesting to learn about all these immunotherapy treatments, especially the specific antibodies
- It's a lot of options coming up in the future. The only issue will be to learn how to sequence these drugs

- It's a lot of options

ADVISOR KEY TAKEAWAYS (2/3)



ADVISOR

> Obtaining mutation testing upfront and at relapse is

- There is a better understanding of sequencing strategy
- There is a better understanding of sequencing strategy
- There is a better understanding of sequencing strategy

- There is a better understanding of sequencing strategy
- There is a better understanding of sequencing strategy
- There is a better understanding of sequencing strategy

- There is a better understanding of sequencing strategy

- There is a better understanding of sequencing strategy
- There is a better understanding of sequencing strategy

ADVISOR

> One learning point is that the venetoclax dosing can

- The recommended dosing is 100mg daily for 28 days

- The recommended dosing is 100mg daily for 28 days

- The recommended dosing is 100mg daily for 28 days

- The recommended dosing is 100mg daily for 28 days

- The recommended dosing is 100mg daily for 28 days

ADVISOR KEY TAKEAWAYS (3/3)



ADVISOR

ADVISOR

> My takeaway from hearing all the comments: for

- There is a better understanding of regulatory changes
- I really want to talk further with professional and
- I think we can have a better understanding of
- These things and have a better idea of when to use
- What is the practice

- There is a better understanding of some of the other
- I'm particularly interested in the professional and how
- The role and how would be considered to a professional
- There is a lot more information to support things
- And to bring the professional that may offer some
- The advice

- It was good to hear about innovations and what's
- Coming from the practice for professional services

- There is a lot of good options for around the time just
- I think I am managing with several other people
- And good response rate
- Responding is an issue

- The professional services, adding the need to have
- Different options available to the end user and going to
- I think

- It's hoping that some of these innovative options will
- Get added into practice and hopefully improve the
- The role

- It's interesting to learn about all these
- Professional services, especially the
- Specific services
- It's an option coming up in the future. The only issue
- Will be to learn how to improve these things

- It's a good idea to have a standard



CASES

ARS Data



CASES

First-Line Treatment of AML

ARS RESULTS

AGE AND GENOMIC AND MUTATIONAL ANALYSIS ARE THE MOST USED METHODS TO RISK-STRATIFY NEWLY DIAGNOSED AML PATIENTS

If you risk-stratify your newly diagnosed AML patients, what method do you use?
(Select all that apply) (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

FLT3, CEBPA, AND IDH1/2 ARE THE MOST TESTED MOLECULAR MARKERS, FOLLOWED BY TP53 AND NPM1

In addition to cytogenetics, which of the following molecular markers are you routinely testing for in your newly diagnosed AML patients? (Select all that apply) (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

MOLECULAR/GENOMIC TESTING IS MAINLY PERFORMED OUTSIDE LOCAL HOSPITALS

When it comes to molecular/genomic testing: (n = 9*)

FOR EXAMPLE PURPOSES ONLY

THE TURNAROUND TIME TO GET FINAL TESTING RESULTS IS LONGER THAN 1 WEEK



When it comes to molecular/genomic testing, the turnaround time to get the final results is: (n = 10)

FOR EXAMPLE PURPOSES ONLY

MOST ADVISORS SOMETIMES START AML FRONTLINE THERAPY BEFORE THE GENOMIC/MUTATIONAL TEST RESULTS ARE AVAILABLE

In general, the following statement describes me best: (n = 10)

FOR EXAMPLE PURPOSES ONLY

MOST ADVISORS USE STANDARD 7+3 AS THE INDUCTION REGIMEN FOR A YOUNG PS 0 PATIENT WITH INTERMEDIATE-RISK AML (CD33 POSITIVE AND WITHOUT *FLT3* MUTATION)

What induction regimen do you routinely recommend for a 50-year-old PS 0 patient with intermediate-risk AML (CD33 positive and without *FLT3* mutation)?

FOR EXAMPLE PURPOSES ONLY

NEARLY HALF OF ADVISORS USE LIPOSOMAL CYTARABINE-DAUNORUBICIN AS THE INDUCTION REGIMEN FOR A YOUNG PS 2 PATIENT WITH CARDIOVASCULAR COMORBIDITIES AND INTERMEDIATE-RISK AML (CD33 POSITIVE AND WITHOUT *FLT3* MUTATION)

What induction regimen would you recommend for a 50-year-old PS 2 patient who has a history of cardiovascular disease, including a previous heart attack, with intermediate-risk AML (CD33 positive and without *FLT3* mutation)? (n = 9*)

FOR EXAMPLE PURPOSES ONLY



*One advisor did not respond.

FOR AN ELDERLY PS 1 PATIENT WITH INTERMEDIATE-RISK AML (CD33 POSITIVE AND WITHOUT FLT3 MUTATION), MOST ADVISORS USE VENETOCLAX (± HMA OR LDAC) AS INDUCTION REGIMEN

What induction regimen do you routinely recommend for a 77-year-old PS 1 patient with intermediate-risk AML (CD33 positive and without FLT3 mutation)? (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

THE INDUCTION REGIMEN ROUTINELY RECOMMENDED BY MOST ADVISORS FOR AN ELDERLY PS 1 PATIENT WITH THERAPY-RELATED AML FOLLOWING TREATMENT FOR MANTLE CELL LYMPHOMA AND UNKNOWN GENOMIC PROFILING IS VENETOCLAX (± HMA OR LDAC)

What induction regimen do you routinely recommend for a 70-year-old PS 1 patient with therapy-related AML following treatment for mantle cell lymphoma (including autologous stem cell transplant)? Genomic profiling is unknown (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.



FOR AN ELDERLY PS 2 PATIENT WITH INTERMEDIATE-RISK AML AND *IDH1* MUTATION, IVOSIDENIB + HMA IS THE INDUCTION REGIMEN RECOMMENDED BY NEARLY HALF OF ADVISORS, FOLLOWED BY VENETOCLAX (± HMA OR LDAC)

What induction regimen do you recommend for a 70-year-old PS 2 patient with intermediate-risk AML and *IDH1* mutation revealed by NGS? (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

THE ADVISORS' MOST-USED DOSING SCHEDULE FOR VENETOCLAX IS DAILY DOSE RAMP-UP

Which of the following dosing schedules do you use for venetoclax in AML? (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

MOST ADVISORS MODIFY VENETOCLAX DOSING ON THE BASIS OF PROPHYLACTIC ANTIFUNGALS USE

Do you modify your dosing of venetoclax on the basis of prophylactic antifungals use? (n = 8*)

FOR EXAMPLE PURPOSES ONLY

 CASES ARS Data – Management of Relapsed/Refractory AML

BIOMARKER TESTING IS ROUTINELY REPEATED BY THE MAJORITY OF ADVISORS AT DISEASE RELAPSE

Do you routinely repeat biomarker testing in your AML patients at the time of relapse? (n = 8*)

FOR EXAMPLE PURPOSES ONLY

IDH1/2 AND FLT3 ARE CONSIDERED THE MOST IMPORTANT MUTATIONS TO BE TESTED FOR AT DISEASE RELAPSE FOR THERAPEUTIC DECISION MAKING

Which of the following mutations are most important to be checked in all patients with relapsed AML for therapeutic decision making? (n = 9*)

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

FOR THE MAJORITY OF ADVISORS, REPEATING 7+3 OR BMT EVALUATION AND POSSIBLE REINDUCTION ARE THE PREFERRED TREATMENT APPROACH FOR THE DESCRIBED YOUNG PATIENT WITH INVERSION 16, PS 0, AND COMORBIDITIES AT DISEASE RELAPSE

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.

reinduction



MOST ADVISORS WOULD CONTINUE TREATING THE DESCRIBED PATIENT WITH INDUCTION LIPOSOMAL CYTARABINE-DAUNORUBICIN WHEN THEY SHOW REDUCTION IN DISEASE UPON DAY 14 BONE MARROW

FOR EXAMPLE PURPOSES ONLY

*One advisor did not respond.



HALF OF THE ADVISORS WOULD TREAT THE DESCRIBED ELDERLY PATIENT WITH ENASIDENIB AT DISEASE RELAPSE



FOR EXAMPLE PURPOSES ONLY

