

A collection of thick, curved lines in various colors (teal, green, orange, grey, light blue) arranged in a circular pattern on the left side of the slide.

CASES

Insights Into the Management of Lower-Risk Myelodysplastic Syndromes (LR-MDS)

March 27, 2026

Dallas, TX

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How to Navigate This Report



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ARS Data





Report Snapshot

Report Snapshot: Session Overview



Disease state and data presentations were led on **March 27, 2026**, by **Yazan Madanat, MD**, from UT Southwestern, with content developed in conjunction with the Aptitude Health scientific team



The objectives of the meeting were to

- > Evaluate current evidence and real-world considerations guiding the selection and sequencing of therapies for anemia in LR-MDS
- > Interpret key clinical trial data and guidelines recommendations to inform treatment decisions across first-line and subsequent-line settings in LR-MDS
- > Identify patient- and disease-specific factors that influence treatment initiation, dosing, and transitions between therapies



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



Insights on the management of LR-MDS were obtained from **11 community oncologists** from the United States

Report Snapshot: Session Agenda



Time (CT)	Topic
2.00 PM – 2.15 PM (15 min)	Introduction > Program overview > ARS questions
2.15 PM – 3.25 PM (20-min presentation; 50-min discussion)	First-Line Treatment of LR-MDS > Overview of current data > Reaction and discussion
3.25 PM – 3.35 PM (10 min)	Break
3.35 PM – 4.45 PM (20-min presentation; 50-min discussion)	Subsequent-Line Therapy in LR-MDS > ARS questions > Overview of current data > Reaction and discussion
4.45 PM – 5.00 PM (15 min)	Key Takeaways and Meeting Evaluation

Report Snapshot: Attendee Overview



Report Snapshot: Attendee Demographics



Scope of the Report



Topline Takeaways

 Key Message	 Topline Takeaway
1. The company's revenue is growing rapidly, driven by strong performance in its core markets and successful expansion into new geographies.	The company's revenue is growing rapidly, driven by strong performance in its core markets and successful expansion into new geographies. This growth is primarily due to increased demand for its products and services, as well as the company's ability to effectively manage its operations and expand its sales channels.
2. The company's operating margins are improving, reflecting the benefits of economies of scale and operational efficiencies.	The company's operating margins are improving, reflecting the benefits of economies of scale and operational efficiencies. This is achieved through the company's ability to optimize its production processes, reduce costs, and improve its overall operational performance. The company's focus on innovation and research and development also contributes to its improved margins.
3. The company's balance sheet is strong, with a solid track record of managing debt and maintaining a healthy cash position.	The company's balance sheet is strong, with a solid track record of managing debt and maintaining a healthy cash position. This is due to the company's conservative financial policies, its ability to generate strong cash flows, and its effective management of its capital structure. The company's strong balance sheet provides a solid foundation for its continued growth and expansion.



**Detailed Insights and
Strategic Recommendations**

Objective 1: Detailed Insights (1/2)



Key Message: The impact of workplace safety training has been significantly reduced in the past 12 months due to a combination of factors, including a lack of resources, a shift in priorities, and a change in the way safety training is delivered. This has led to a significant increase in workplace safety incidents, which is a major concern for the organization.

The impact of workplace safety training has been significantly reduced in the past 12 months due to a combination of factors, including a lack of resources, a shift in priorities, and a change in the way safety training is delivered. This has led to a significant increase in workplace safety incidents, which is a major concern for the organization.

- Limited resources: The organization has limited resources to deliver safety training, which has led to a reduction in the number of employees who receive training.
- Shift in priorities: The organization's priorities have shifted away from safety training, which has led to a reduction in the number of employees who receive training.
- Change in delivery: The organization has changed the way safety training is delivered, which has led to a reduction in the number of employees who receive training.

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Objective 1: Detailed Insights (2/2)

Objective 1: Detailed Insights (2/2)

The following table provides a detailed breakdown of the data presented in the previous slide, categorized by the type of insight and the specific metric being tracked. The data is presented in a structured format, allowing for easy comparison and analysis of the different categories.

Category	Sub-category	Value
Category A	Sub-category A.1	Value A.1
	Sub-category A.2	Value A.2
	Sub-category A.3	Value A.3
	Sub-category A.4	Value A.4
Category B	Sub-category B.1	Value B.1
	Sub-category B.2	Value B.2
	Sub-category B.3	Value B.3
	Sub-category B.4	Value B.4
Category C	Sub-category C.1	Value C.1
	Sub-category C.2	Value C.2
	Sub-category C.3	Value C.3
	Sub-category C.4	Value C.4

The data is presented in a structured format, allowing for easy comparison and analysis of the different categories. The table is organized into three main sections, each with four sub-categories. The values are presented in a clear and concise manner, making it easy to interpret the data.

Objective 1: Supportive Quotes From Discussion (1/2)



Topic	Supportive Quotes
Supportive Quotes	The study findings, including the statistically significant results, suggest that the intervention is effective in improving patient outcomes. The study was well-designed, with a clear focus on the research objectives. The results are consistent with previous research, and the study was conducted in a controlled environment. The study was well-designed, with a clear focus on the research objectives. The results are consistent with previous research, and the study was conducted in a controlled environment.
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Objective 1: Supportive Quotes From Discussion (2/2)



Topic	Supportive Quotes
Topic 1: [Illegible]	[Illegible text] [Illegible text]
Topic 2: [Illegible]	[Illegible text] [Illegible text]

Objective 1: Strategic Recommendations

[illegible]

Objective 2: Detailed Insights (1/3)



Case Study: Improving Patient Engagement and Adherence

Background: A healthcare provider, ABC Hospital, has been struggling with low patient engagement and adherence to treatment plans. This has led to increased hospital readmissions and higher costs. The hospital's current patient engagement strategy is outdated and does not leverage technology effectively. The goal is to improve patient engagement and adherence, leading to better health outcomes and reduced costs.

Current Situation: The hospital's current patient engagement strategy is outdated and does not leverage technology effectively. The goal is to improve patient engagement and adherence, leading to better health outcomes and reduced costs.

Key Challenges:

- Low patient engagement and adherence to treatment plans.
- Increased hospital readmissions and higher costs.
- Outdated patient engagement strategy.

Proposed Solution: The hospital is considering implementing a new patient engagement strategy that leverages technology. This strategy includes using mobile apps, patient portals, and telemedicine to improve patient engagement and adherence.

Expected Outcomes:

- Improved patient engagement and adherence to treatment plans.
- Reduced hospital readmissions and lower costs.
- Enhanced patient satisfaction and loyalty.

Objective 2: Detailed Insights (2/3)



Case Study: Improving Patient Engagement and Adherence

Background: A healthcare provider sought to improve patient engagement and adherence to treatment plans. The provider identified a need for a digital health solution that could provide personalized education, reminders, and support to patients.

Solution: The provider implemented a digital health platform that offered the following features:

- Personalized Education:** The platform provided patients with tailored educational content based on their medical history and current treatment plan.
- Reminders and Alerts:** The platform sent automated reminders and alerts to patients to take their medication, attend appointments, and complete health assessments.
- Support and Monitoring:** The platform allowed patients to communicate with healthcare providers and support staff, and provided real-time monitoring of patient health and adherence.

Results: The implementation of the digital health platform resulted in the following outcomes:

- Increased Patient Engagement:** Patient engagement with the platform increased significantly, with more patients logging in and using the features.
- Improved Adherence:** Patient adherence to treatment plans improved, leading to better health outcomes and reduced hospital readmissions.
- Enhanced Patient Satisfaction:** Patients reported higher satisfaction with their healthcare experience, citing the convenience and personalized nature of the platform.

Objective 2: Detailed Insights (3/3)



Executive Summary

The following table provides a detailed overview of the project's performance across various key metrics. The data is presented in a clear, concise format, allowing for easy comparison and analysis. The table includes columns for the metric name, the current value, the target value, and the percentage of completion. The data is as of the end of the reporting period.

Metric	Current Value	Target Value	Completion %
Project Completion Rate	85%	90%	94%
Customer Satisfaction Score	4.2	4.5	93%
Employee Engagement Score	3.8	4.0	95%
Financial Performance (Revenue)	\$1.2M	\$1.5M	80%
Operational Efficiency (Cost Savings)	\$0.5M	\$0.8M	62%

Key Findings

The project has made significant progress in achieving its goals, particularly in the areas of customer satisfaction and employee engagement. However, there are still areas where improvement is needed, such as financial performance and operational efficiency. The data suggests that the project is on track to meet its overall objectives, but further attention is required to ensure long-term success.

Recommendations

Based on the findings, the following recommendations are made:

- Continue to focus on improving customer satisfaction and employee engagement, as these are key drivers of long-term success.
- Implement measures to improve financial performance, such as reducing costs and increasing revenue.
- Enhance operational efficiency by streamlining processes and reducing waste.

Conclusion

The project has demonstrated strong performance in several key areas, but there is still work to be done to achieve the overall goals. The recommendations provided above are intended to guide the project team in making the necessary adjustments to ensure success.

Objective 2: Supportive Quotes From Discussion (1/2)

Topic	Answer Summary
1	The passage describes the author's experience of traveling to a remote location in the mountains. The author mentions the difficulty of finding a place to stay and the lack of facilities. The author also describes the beauty of the landscape and the friendly nature of the people. The author concludes by stating that the trip was a memorable experience. The author also mentions the importance of being prepared for such trips. The author suggests that travelers should have a map, a compass, and some food and water. The author also advises travelers to be respectful of the local culture and environment.

Objective 2: Supportive Quotes From Discussion (2/2)



Supportive Quotes From Discussion (2/2)	
Topic	Supportive Quotes
Supportive Quotes	“The importance of having a strong support system is often underestimated. It can be the difference between struggling and thriving. When you have people who believe in you and support you, you are more likely to overcome challenges and achieve your goals. This is especially true in the workplace, where a supportive manager can make a significant difference in an employee's performance and well-being.”
	“I believe strongly in the power of a supportive environment. It is not just about providing resources, but also about creating a culture of trust and collaboration. When employees feel supported, they are more engaged, more productive, and more likely to stay with the organization. This is a win-win for everyone involved.”

Objective 2: Strategic Recommendations



Strategic Recommendations

The following recommendations are based on the findings of the assessment and are intended to provide a clear path forward for the organization. These recommendations are organized into three main categories: **Operational Excellence**, **Financial Performance**, and **Human Capital Development**.

- Operational Excellence:** This category focuses on improving the efficiency and effectiveness of the organization's core processes. Key recommendations include:
 - Implementing a robust project management framework to ensure timely delivery of initiatives.
 - Streamlining communication channels to reduce redundancy and improve information flow.
 - Establishing clear roles and responsibilities for all team members to avoid overlap and ensure accountability.
- Financial Performance:** This category aims to enhance the organization's financial health and sustainability. Key recommendations include:
 - Conducting a thorough cost-benefit analysis for all major projects to ensure optimal resource allocation.
 - Implementing a strict budgeting and financial reporting system to monitor spending and identify areas for savings.
 - Exploring new revenue streams and partnerships to diversify the organization's income sources.
- Human Capital Development:** This category focuses on building a strong, skilled, and motivated workforce. Key recommendations include:
 - Investing in employee training and development programs to enhance skills and knowledge.
 - Implementing a performance management system to provide regular feedback and recognize achievements.
 - Fostering a culture of innovation and collaboration to encourage creative problem-solving and team synergy.

Objective 3: Detailed Insights (1/3)



Case Study: Detailed Insights (1/3)

The following table provides a detailed overview of the data collected for the three cases, categorized by the three main objectives of the study. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.

Case	Objective 1: Data Collection	Objective 2: Data Analysis	Objective 3: Data Interpretation
Case 1	1.1. Data Collection: The first case involves the collection of data from a single source, which is then analyzed and interpreted. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	1.2. Data Analysis: The second case involves the analysis of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	1.3. Data Interpretation: The third case involves the interpretation of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.
Case 2	2.1. Data Collection: The second case involves the collection of data from multiple sources, which is then analyzed and interpreted. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	2.2. Data Analysis: The second case involves the analysis of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	2.3. Data Interpretation: The third case involves the interpretation of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.
Case 3	3.1. Data Collection: The third case involves the collection of data from multiple sources, which is then analyzed and interpreted. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	3.2. Data Analysis: The second case involves the analysis of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.	3.3. Data Interpretation: The third case involves the interpretation of the data collected in the first case. The data is presented in a structured format, allowing for a clear comparison of the results across the different cases and objectives.

Objective 3: Detailed Insights (2/3)



Case Study: Improving Patient Outcomes through Data-Driven Insights

The following table provides a detailed overview of the data collected for the case study, categorized by patient type and outcome. The data is presented in a structured format, allowing for easy comparison and analysis of the results.

Category	Sub-category	Value
Patient Type	Adult	100
	Child	50
	Elderly	25
	Infant	10
Outcome	Improved	75
	Stable	20
	Deteriorated	5
	Unknown	2

The data indicates that the majority of patients (75%) showed improved outcomes, while a smaller percentage (20%) remained stable. Only a small number of patients (5%) experienced deterioration, and 2 patients had unknown outcomes. This suggests that the intervention was effective for most patients, particularly in the adult and child populations.

Objective 3: Detailed Insights (3/3)

Executive Summary

The following table provides a detailed overview of the data collected for Objective 3. It includes information on the number of cases, the date of onset, the date of diagnosis, and the date of death. The data is presented in a clear and concise manner, allowing for easy comparison and analysis.

Case ID	Date of Onset	Date of Diagnosis	Date of Death
1	2020-03-15	2020-03-20	2020-03-25
2	2020-03-18	2020-03-22	2020-03-28
3	2020-03-20	2020-03-25	2020-03-30
4	2020-03-22	2020-03-27	2020-04-01
5	2020-03-25	2020-03-30	2020-04-05

Key Findings

- The data shows a clear trend of increasing cases over time, with a significant increase in the number of cases reported in the latter half of the study period.
- The data also shows a clear trend of increasing severity of cases, with a significant increase in the number of cases reported in the latter half of the study period.
- The data shows a clear trend of increasing mortality, with a significant increase in the number of cases reported in the latter half of the study period.

Objective 3: Supportive Quotes From Discussion (1/2)



Supportive Quotes From Discussion (1/2)	
Topic	Supportive Quote
Supportive Quote From Discussion (1/2)	Supportive Quote From Discussion (1/2)

Objective 3: Supportive Quotes From Discussion (2/2)



Supportive Quotes From Discussion (2/2)	
Topic	Supportive Quotes
Supportive Quotes From Discussion	Quote 1: [Faint text]
	Quote 2: [Faint text]
	Quote 3: [Faint text]
	Quote 4: [Faint text]

Objective 3: Strategic Recommendations



Strategic Recommendations		
The following recommendations are based on the findings of the assessment and are intended to provide a framework for the organization to improve its performance. These recommendations are not intended to be a substitute for professional advice and should be used in conjunction with the organization's existing policies and procedures.		
1. Improve Financial Performance - Implement a budgeting process that includes input from all departments. - Review the organization's revenue streams and identify areas for growth. - Reduce operating expenses by identifying areas of inefficiency. - Improve the organization's credit rating by paying bills on time. - Establish a reserve fund to cover unexpected expenses.	2. Enhance Operational Efficiency - Streamline the organization's processes and procedures. - Implement a project management system to track progress. - Improve the organization's communication systems. - Establish a system for monitoring and evaluating performance. - Implement a system for managing risk.	3. Strengthen Leadership and Management - Develop a leadership development program for the organization's leaders. - Implement a system for evaluating and providing feedback to leaders. - Establish a system for managing succession. - Improve the organization's governance structure. - Implement a system for managing the organization's reputation.



Attendee Key Takeaways

Attendee Key Takeaways (1/4)



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	19. The... (faint text)
	20. The... (faint text)

Attendee Key Takeaways (2/4)



Q	1	What are the key findings about the role of the community in supporting vaccination efforts that have been highlighted throughout the session?
	2	What are the key findings about the role of the community in supporting vaccination efforts that have been highlighted throughout the session?
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	3	What are the key findings about the role of the community in supporting vaccination efforts that have been highlighted throughout the session?

Attendee Key Takeaways (3/4)



1	  	1. The use of the... (faded text)
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2	  	1. The use of the... (faded text)
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3	  	1. The use of the... (faded text)
		2. The use of the... (faded text)
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Attendee Key Takeaways* (4/4)



1. The first takeaway is that the attendees were very engaged and actively participated in the session. They were able to identify key takeaways from the session and apply them to their own work.

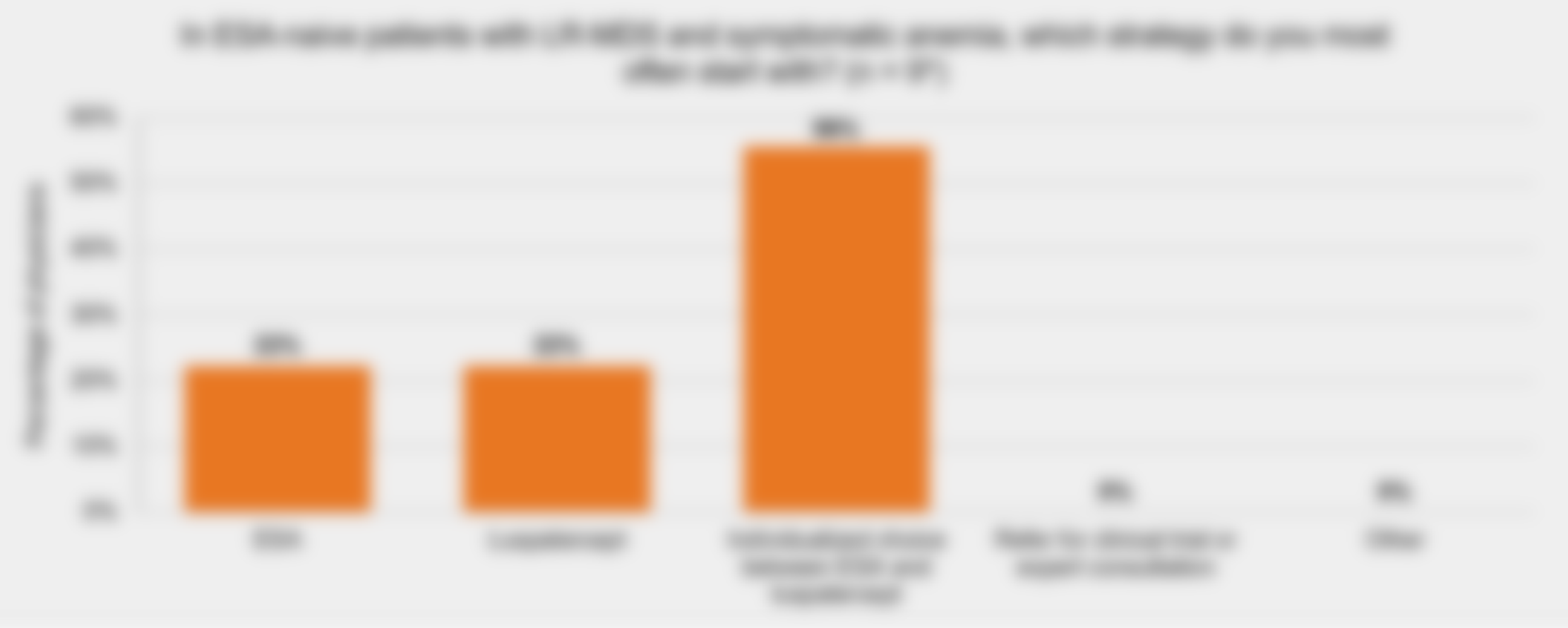
2. The second takeaway is that the attendees were very interested in the session. They were able to identify key takeaways from the session and apply them to their own work.

3. The third takeaway is that the attendees were very satisfied with the session. They were able to identify key takeaways from the session and apply them to their own work.

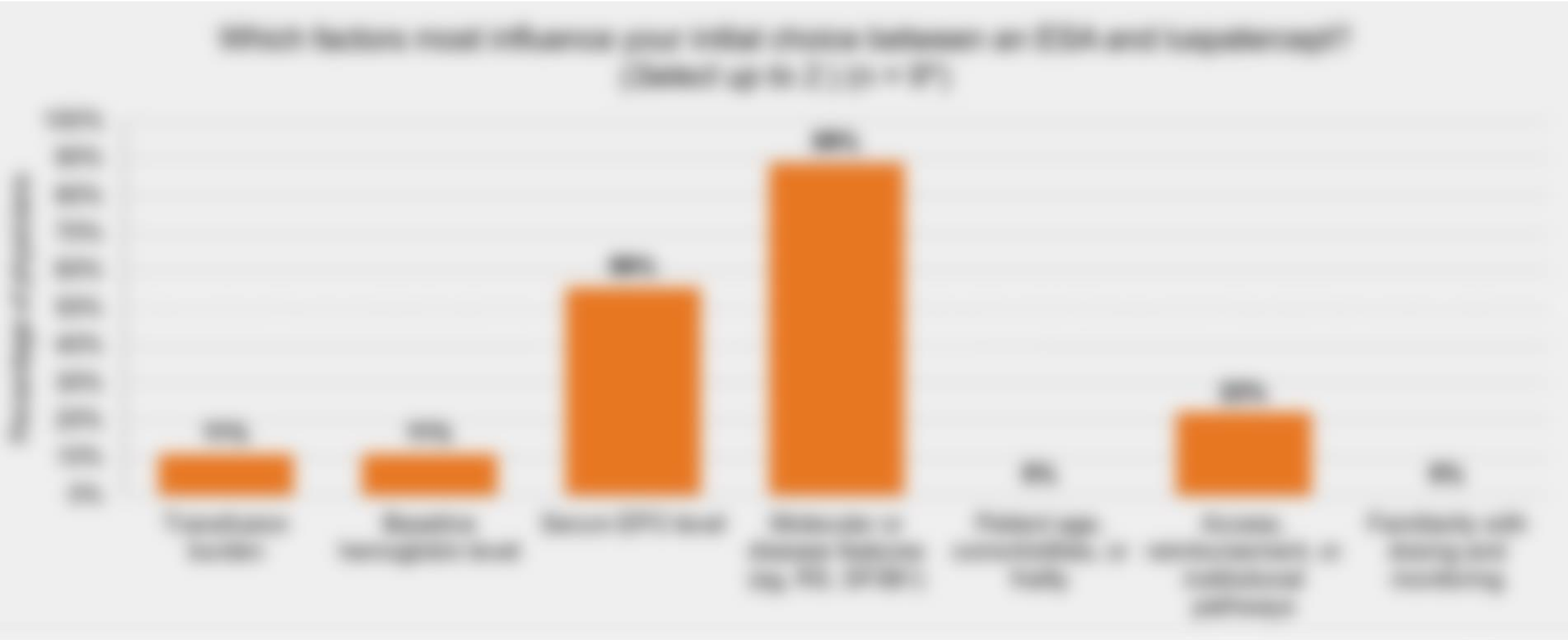


ARS Data

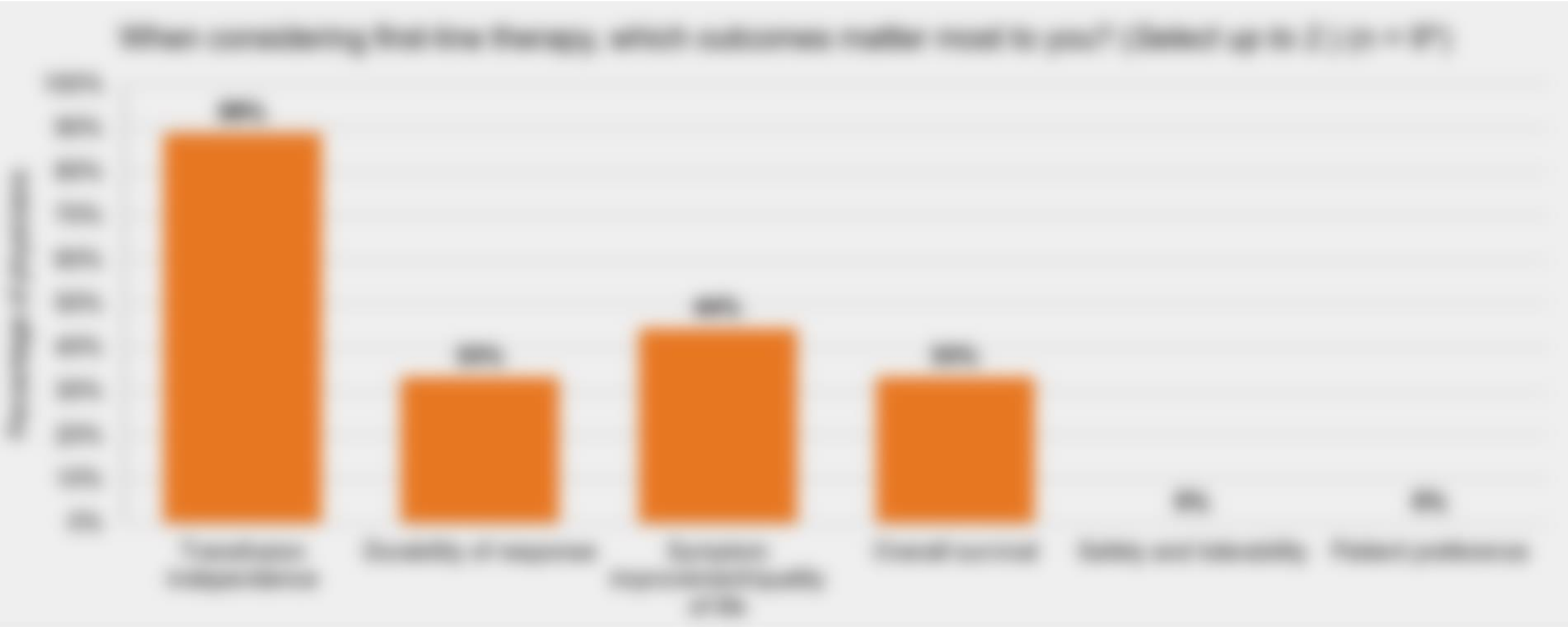
Over Half of Physicians Choose Individually Between an ESA and Luspatercept as 1L Strategy, While an Equal Number (22% each) Routinely Start With an ESA or Luspatercept



Molecular or Disease Features (RS, *SF3B1*) and Serum EPO Level Are the Most Influential Factors in Choosing Between ESA and Luspatercept



Most Physicians (89%) Prioritize Transfusion Independence as the Most Important Outcome When Weighing 1L Therapy Choice



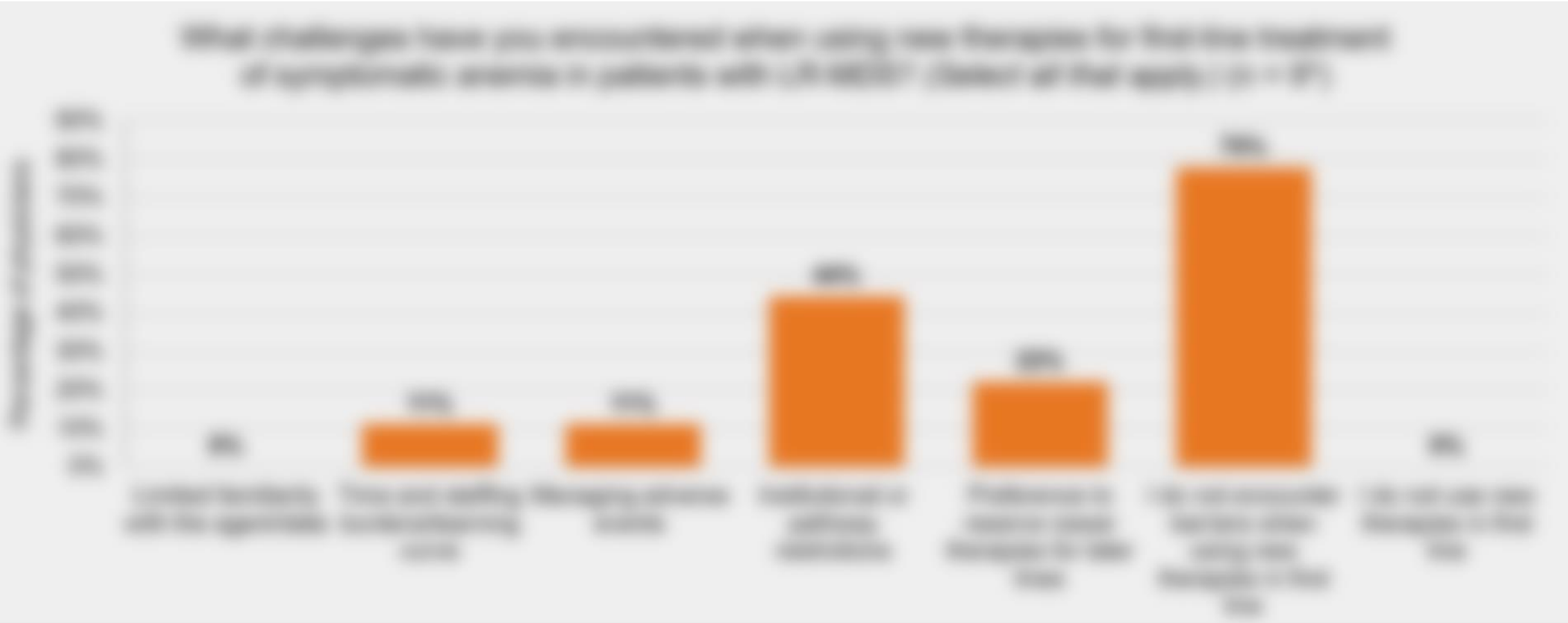
63% of Physicians Find That USPI Dosing for 1L Luspatercept Very Closely Aligns With Ideal Practice; 25% Reported It Mostly Aligns, With Minor Adjustments



Two-Thirds of Physicians Strongly Favor Earlier Luspatercept Use and 22% Support Luspatercept in Select Patients, on the Basis of COMMANDS Outcomes



Most Physicians (78%) Encounter No Barriers When Using New First-Line Therapies, Though 44% Face Institutional or Pathway Restrictions



Patient Case 1

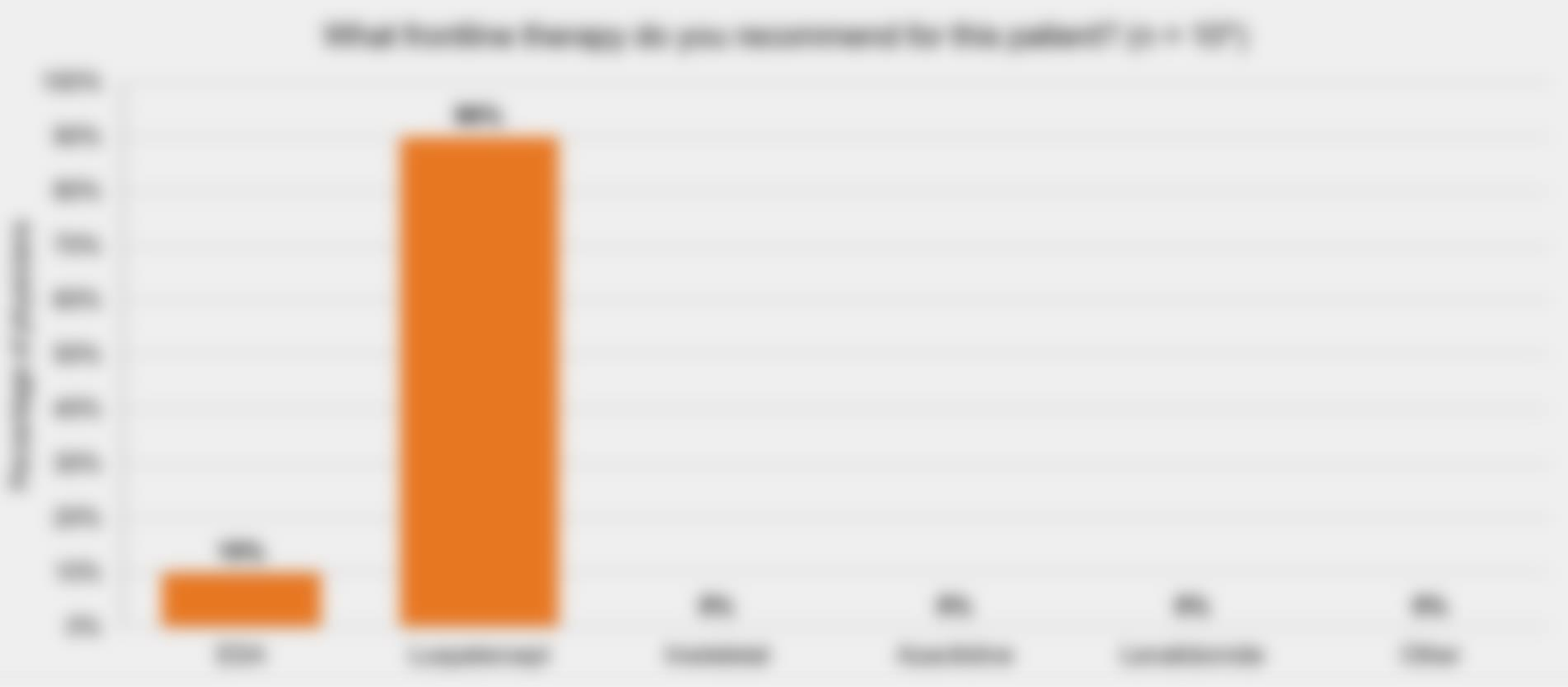


A 45-year-old male with newly diagnosed type 2 diabetes has been recently diagnosed with hypertension due to blood vessel dysfunction. He has the following characteristics:

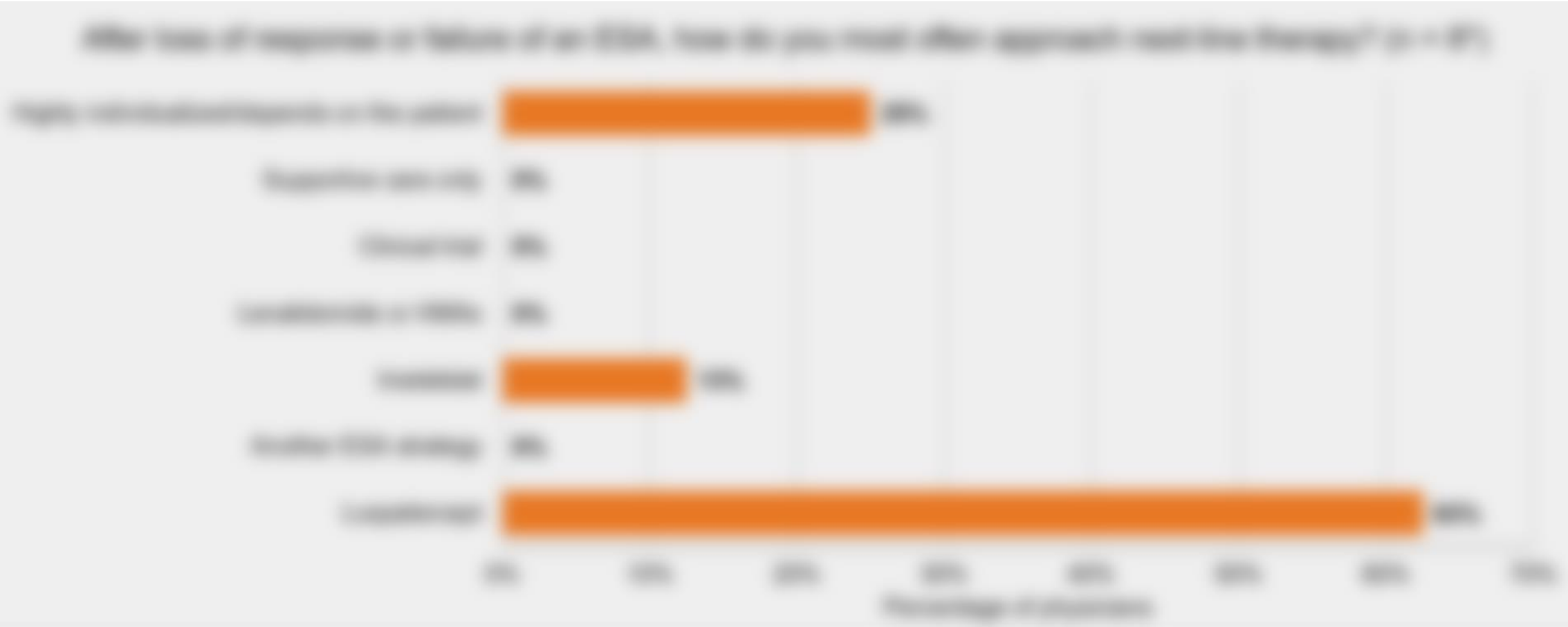
- No smoking
- No alcohol
- Serum LDL cholesterol
- HDL cholesterol

What treatment strategy do you recommend for this patient?

Most Physicians (90%) Favored Frontline Luspatercept for This Patient; 1 Chose an ESA



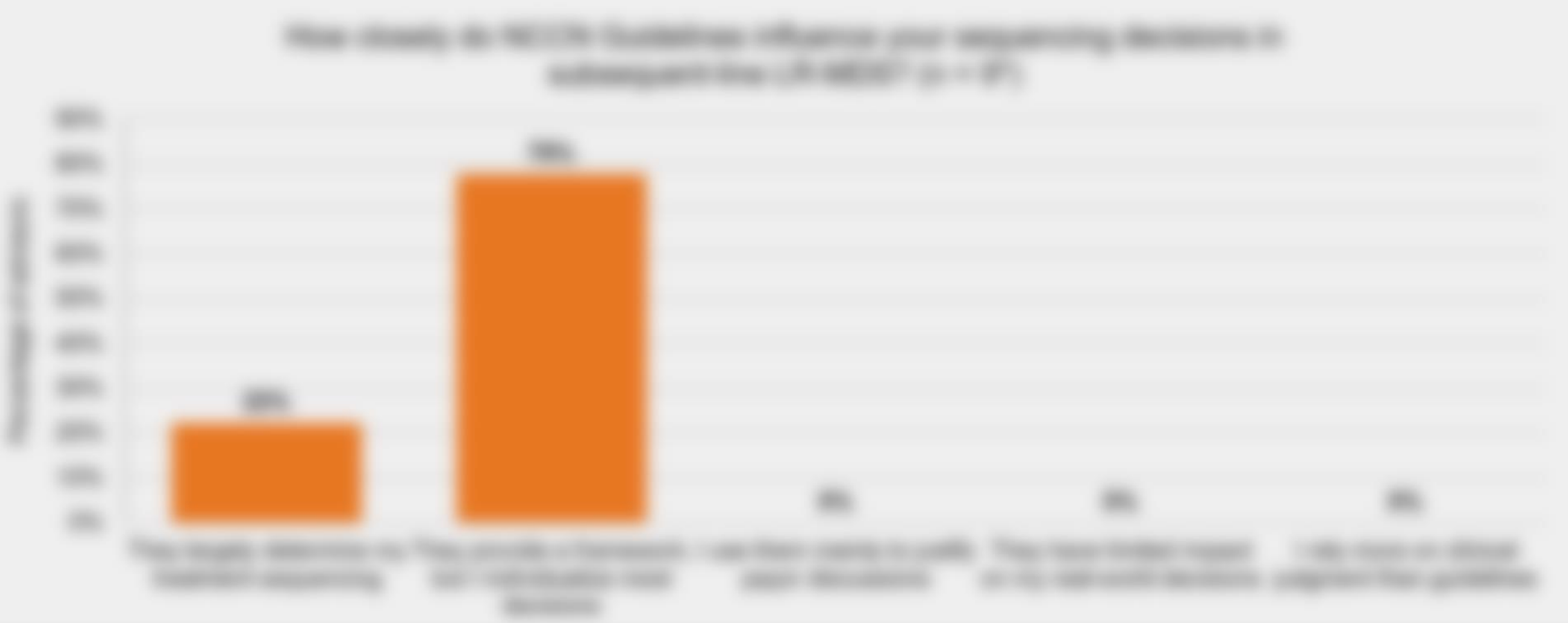
In the Event of ESA Failure, 63% of Physicians Typically Choose Luspatercept, While 25% Indicated Their Approach Is Highly Individualized and Patient-Dependent



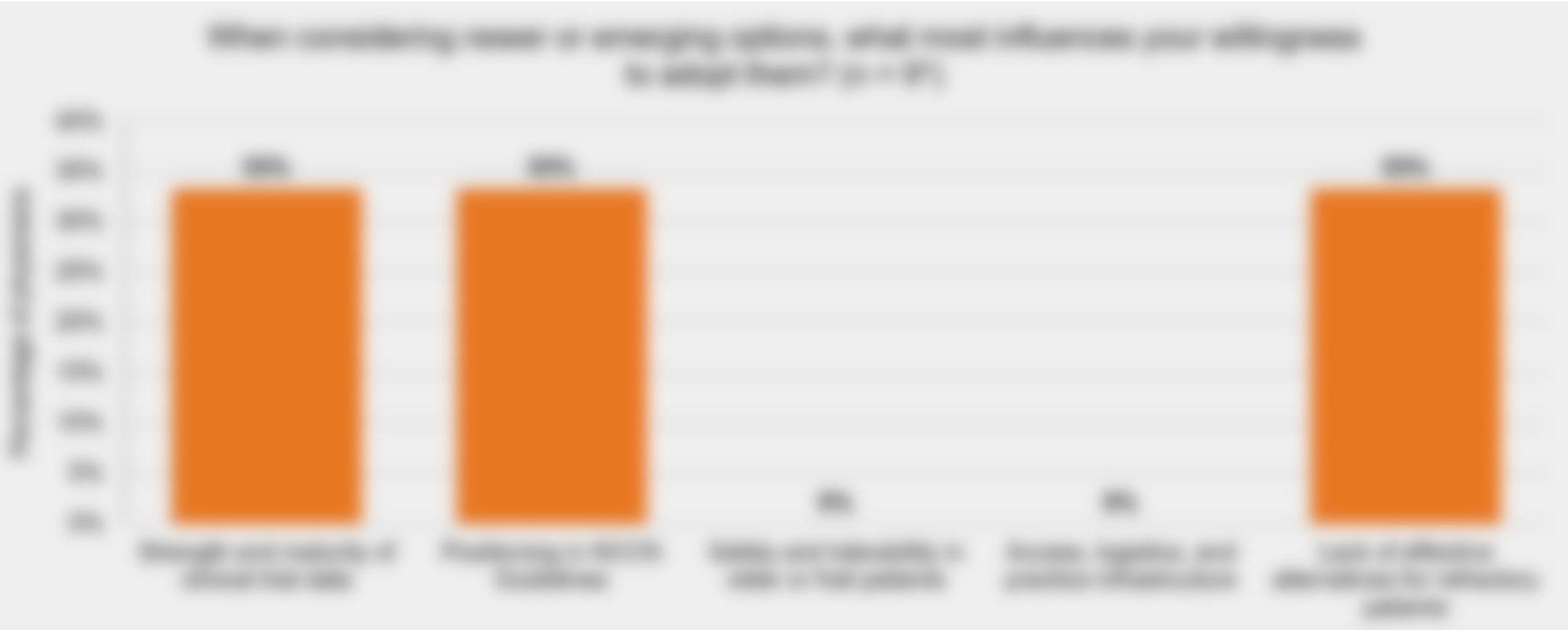
44% of Physicians Reported No Limitations to Using Luspatercept or Imetelstat Beyond 1L, While 22% Cited Uncertainty About Treatment Sequencing



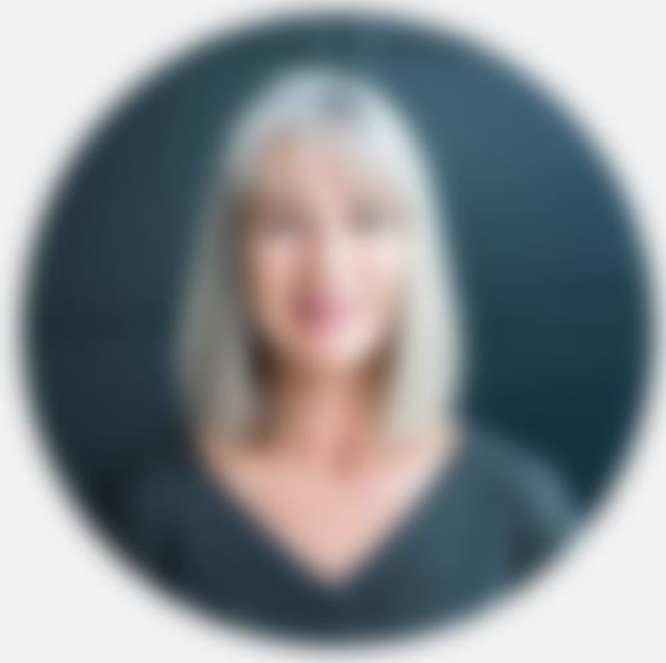
Most Physicians (78%) Indicated That NCCN Guidelines Provide a Treatment Framework, but Most Decisions Are Individualized



Clinical Trial Data, NCCN Guidelines, and Lack of Alternatives Equally Influence Physicians' Willingness to Adopt New Therapies



Patient Case 2

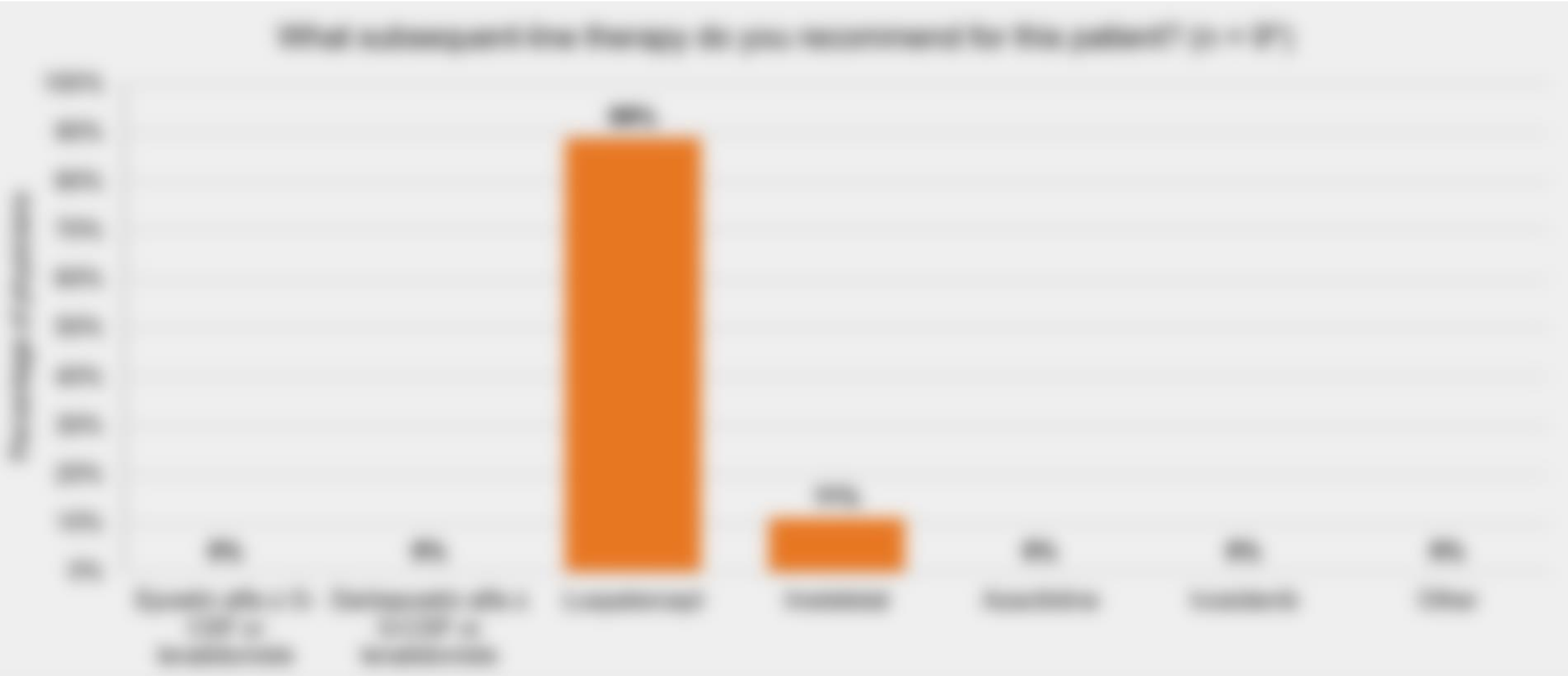


Patient Case 2: 45-year-old woman with newly diagnosed (L)HbA1c and medication-dependent diabetes has the following characteristics:

- No smoking
- BMI 30.5
- Serum LDL 180 mg/dL
- LDL 180 mg/dL
- LDL 180 mg/dL

She receives 150 mg of insulin treatment and exhibits no response despite adequate meal doses. What subsequent therapy do you recommend for this patient?

All but 1 Physician Recommended Luspatercept for This Patient; the Remaining Physician Favored Imetelstat





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