Multiple Myeloma Update

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Disclosures

I have nothing to disclose.

I will not be discussing off-label indications.

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Objectives

- Identify the current guideline-based therapeutic recommendations for the treatment of multiple myeloma
- 2. Describe the unique toxicity profiles of bispecific therapies used in the treatment of patients with multiple myeloma
- 3. Evaluate the role of bispecific therapies in the treatment of patients with multiple myeloma

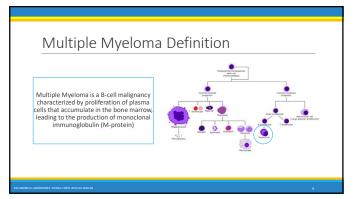
Our Journey Today

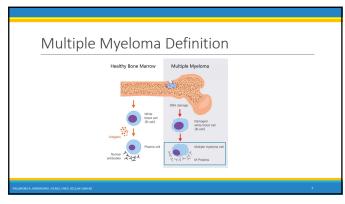
- Brief background of multiple myeloma
- · Review currently available treatments for multiple myeloma
- Discuss recent myeloma drug approvals, focusing on bispecific therapies
 Teclistamab
- o Talquetama
- o Elranatamab
- Discuss unique adverse effects for the recently approved bispecific therapies
- Discuss place in therapy for the recently approved bispecific therapies

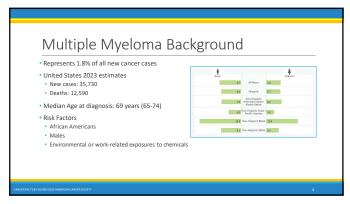
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Multiple Myeloma Background & Treatment

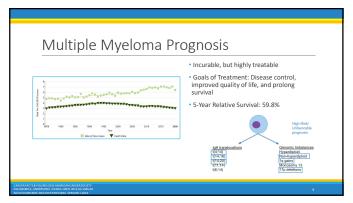
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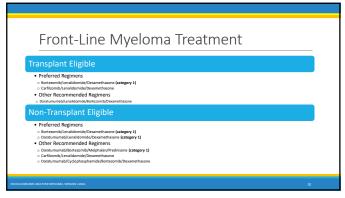


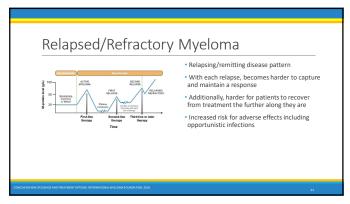




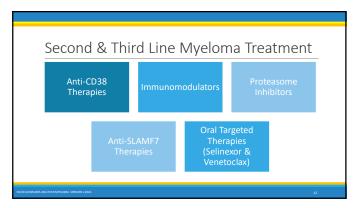
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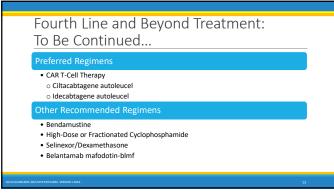


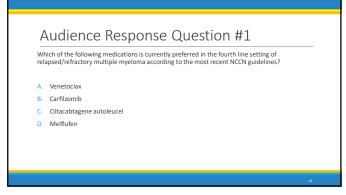




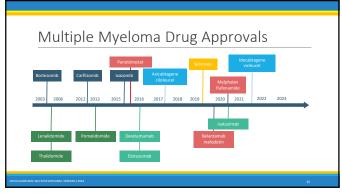
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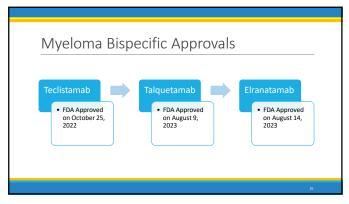


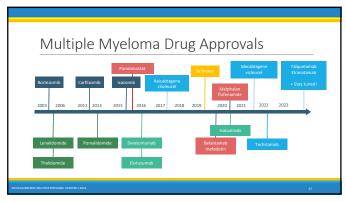




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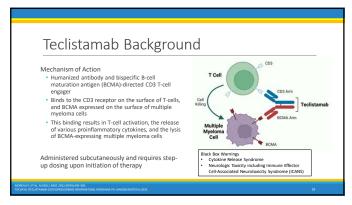


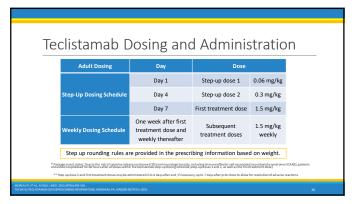




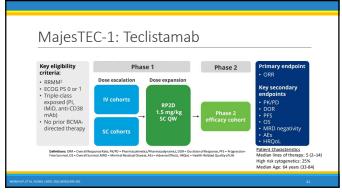
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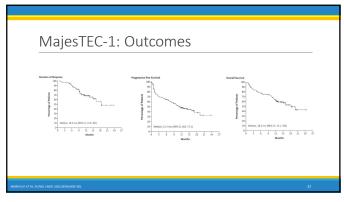
<u>Teclistamab</u>





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Adverse Effect	Any Grade (%)	Grade 3 or 4 (%)			
Neutropenia	71	64			
Pyrexia	27	0.6		CRS	ICAN
Injection site reactions	26	0		CKS	ICAN:
Fatigue	28	2.4	Time to Onset	2 (1-6)	4 (2-8
Cytokine release	72 0.6 (days)		2 (1-0)	4 (2-0	
syndrome (CRS)	72	0.6	Duration of		
Neurotoxicity (ICANS)	14.5	0.6		2 (1-9)	3 (1-20
Musculoskeletal pain	44	4.2	Toxicity (days)	- (/	- (
Pneumonia	24	15			
Nausea	27	0.6			
Diarrhea	29	3.6			
Headache	24	0.6			
			-		

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Teclistamab: Considerations REMS REQUIREMENTS Prescribers must counsel patients receiving teclistamab about risk of CRS and ICANS and provide a patient wallet card Pharmacists and healthcare settings that dispense teclistamab must be certified with the REMS and must verify prescribers are certified through the REMS Wholesalers and distributers must only distribute teclistamab to extribed pharmacies or certified healthcare settings

<u>Talquetamab</u>

Talquetamab Background

Mechanism of Action

Binds to the CD3 receptor on the surface of T-cells, and G protein-coupled receptor class C group 5 member D (GPRCSD) expressed on the surface of multiple myeloma cells

This binding results in T-cell recruitment and activation, the release of various proinflammatory cytokines, and the lysis of BCMA-expressing multiple myeloma cells

Administered subcutaneously and requires stepup dosing upon initiation of therapy

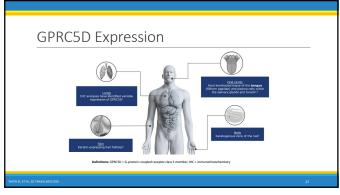
Black Box Warmings

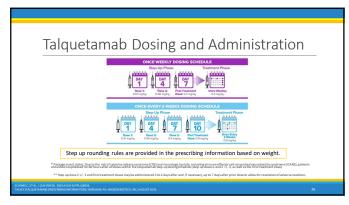
Cytokine Release Syndrome

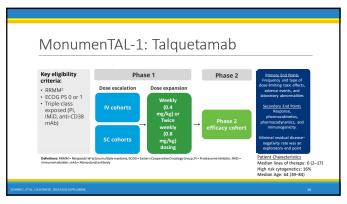
Neurologic Toxicity including Immune Effector cell-stackided Neurology Syndrome (ICMS)

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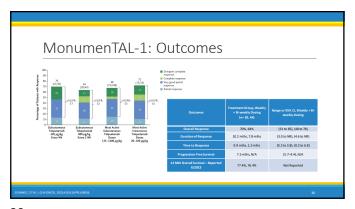
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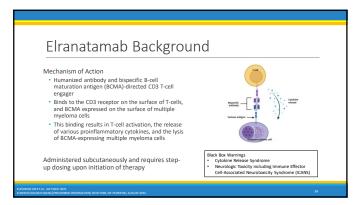


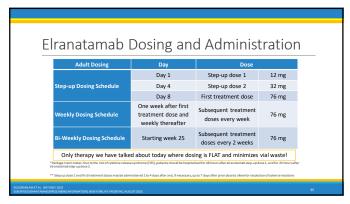
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Monumen1	AL-1: S	Safety			
Adverse Effect	Any Grade (%)	Grade 3 or 4 (%)			
Neutropenia	36	32			
Pyrexia	18	0		CRS	ICANS
Thrombocytopenia	23	11		CNS	ICAN
Anemia	43	23	Time to Onset	2 (1-8)	3 (2-16
Cytokine Release Syndrome (CRS)	75	0	(days)	` -/	- (
Neurotoxicity	7.7	0	Duration of	2 (1-29)	1 (1-15
Infection	50	12	Toxicity (days)	2 (1 23)	1 (1 10
Skin-Related Event	70	2			
Nail-Related Event	27	2			
Weight Decrease	32	2			
Dry Mouth	57	0			
Dysphagia	27	0			

Talquetamab: Considerations REMS REQUIREMENTS Prescribers must counsel patients receiving talquetamab about risk of CRs and IcANS and provide a patient wallet card Pharmacists and healthcare settings that dispense talquetamab must be certified with the REMS and must verify prescribers are certified through the REMS Wholesalers and distributers must only distribute talquetamab to certified pharmacies or certified healthcare settings Wholesalers and distributers must only distribute talquetamab to certified pharmacies or certified healthcare settings

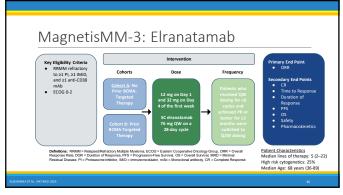
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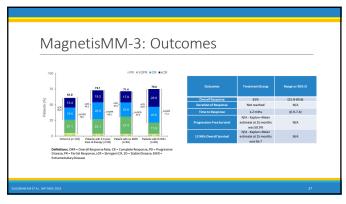
Elranatamab





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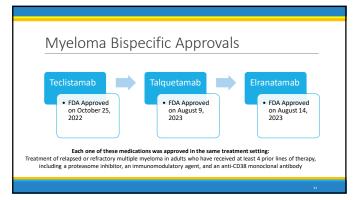


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- IVIUSITECISIV	71171 3. 30	пссу			
Adverse Effect	Any Grade (%)	Grade 3 or 4 (%)			
Neutropenia	48.8	48.8			
Pyrexia	30.1	4.1			
Injection site reactions	26.8	0	1		
Fatigue	36.63	3.3		CRS	ICA
Neurotoxicity (ICANS)	3.3	7	Time to	2 (1-9)	3 (1
Cytokine release	57.7	0	Onset (days)	2 (1-19)	
syndrome (CRS)	57.7	U	Duration of		2 (1-
Upper respiratory tract	16.3	0	Toxicity		2(11
infection	16.5	U	(days)		
Pneumonia	16.3	8.1	(uuys,		
Nausea	26.8	0			
Diarrhea	42.3	1.6			
Headache	23.6	0	1		

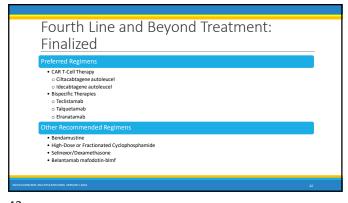
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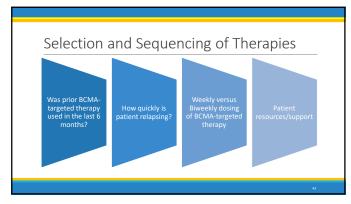
Elranatamab: Considerations REMS REQUIREMENTS Prescribers must counsel patients receiving elranatamab about risk of CRS and ICANS and provide a patient wallet card Pharmacists and healthcare settings that dispense elranatamab must be certified with the REMS and must verify prescribers are certified through the REMS Wholesalers and distributers must only distribute elranatamab to certified pharmacies or certified healthcare settings

cha	iich of the following bispecific therapies discussed today has a unique adverse effect of nail nges and extreme skin dryness that requires patient counseling and education to prevent and at?
A.	Teclistamab
В.	Talquetamab
C.	Elranatamab
D.	Daratumumab



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Audience Response Question #3 Which of the following bispecific therapies would you consider the best option in the setting of a patient who most recently received ciltacabtagene autoleucel, a BCMA-targeted CART-cell therapy, and relapsed <6 months after the infusion? A. Teclistamab B. Talquetamab C. Elranatamab D. Daratumumab

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Conclusions

- Multiple myeloma is an incurable disease and though we have a myriad of therapies currently available, additional agents in the relapsed/refractory setting are needed
- Patient education for those receiving bispecific therapies for myeloma is absolutely crucial due to complex adverse effects like CRS, ICANS, and oral/skin toxicities
- Pharmacists can play an instrumental role in the education, monitoring, and management of toxicities for patients receiving these bispecific therapies for myeloma
- * Novel therapies provide new treatment options to patients with relapsed/refractory multiple myeloma, but more literature is needed to help guide the optimal sequencing of these therapies

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Thank you for your time and attention!

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Multiple Myeloma Update

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