



POST-SAN DIEGO 2024
Novità dal Meeting della Società Americana di Ematologia

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Bologna
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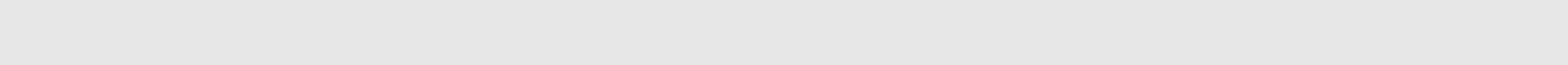
Terapia di Salvataggio con anticorpi Monoclonali/Bispecifici

Francesca Gay, MD

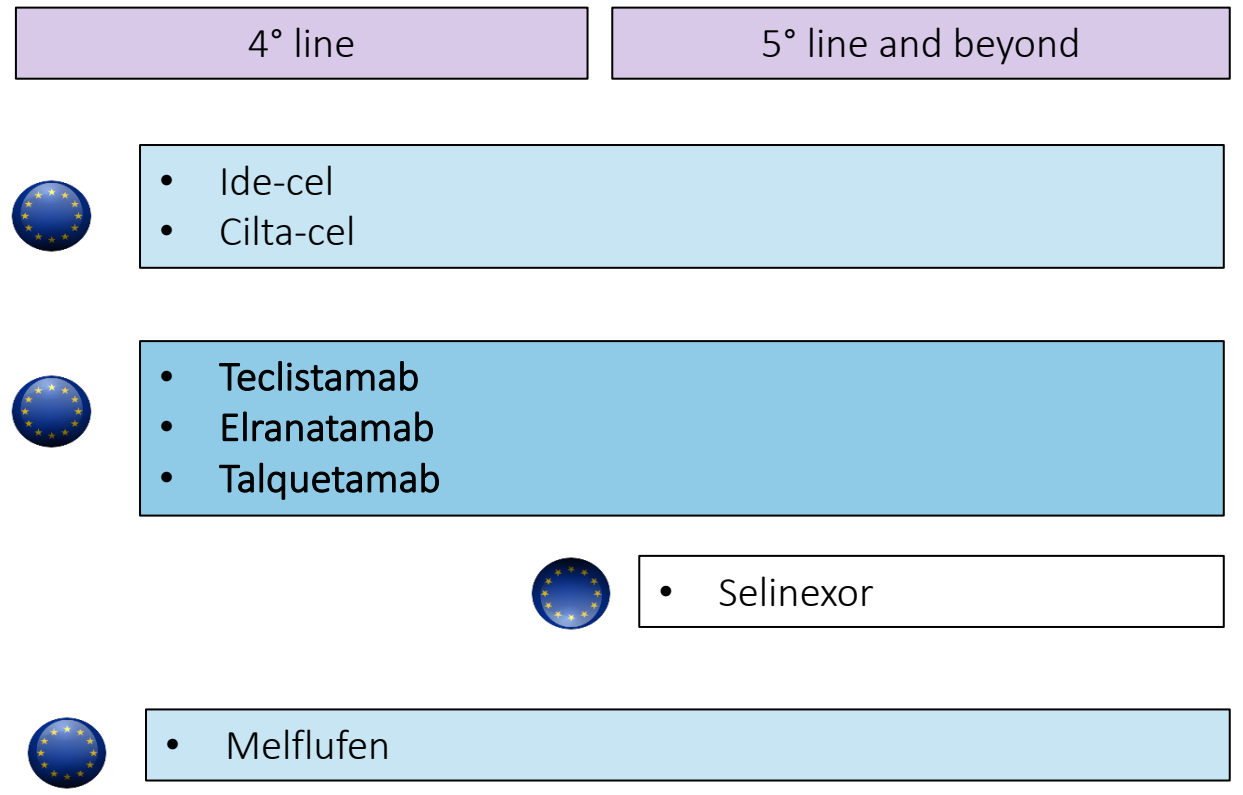
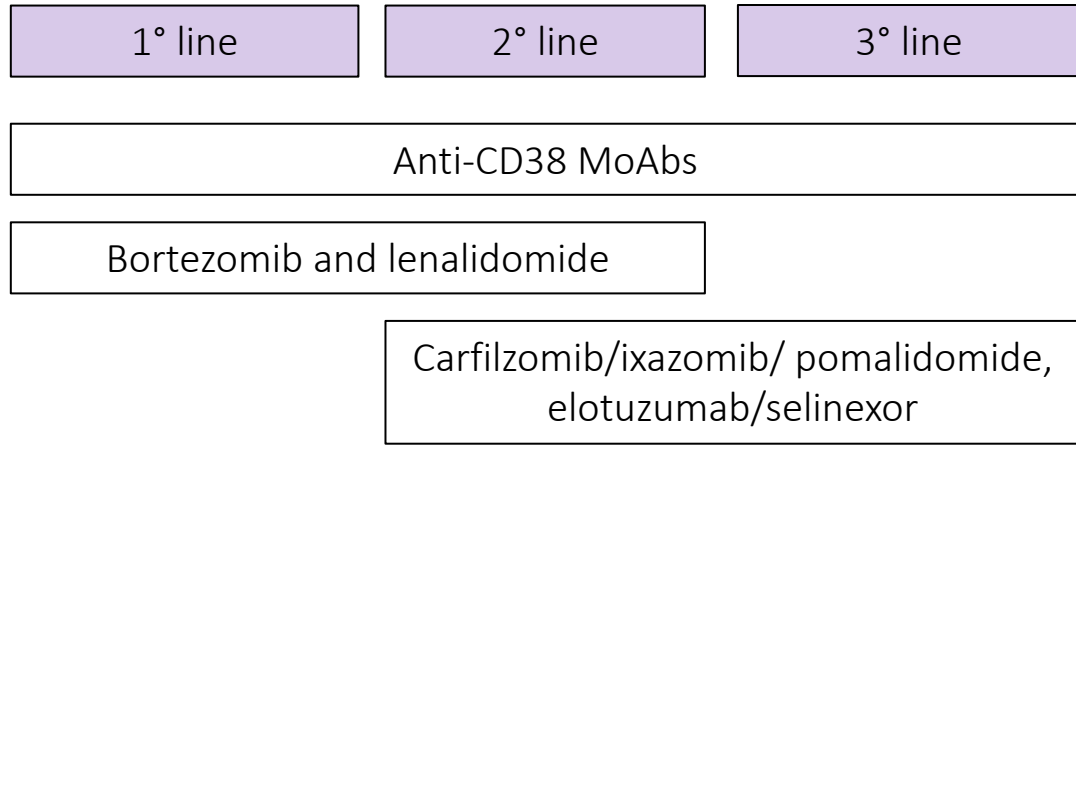
Università degli studi di Torino

Disclosures of Name Surname

Company name	Research support	Employee	Consultant	Stockholder	Speakers bureau	Advisory board	Other
Janssen, Sanofi, BMS, GSK, Takeda, Roche, Amgen, Pfizer, Menarini, Abbvie, Regeneron, Astrazeneca						x	x



Treatment landscape for triple-class exposed MM patients in 2025



Approved for pts that have received at least 3 prior lines, including anti-CD38 MoAbs, PIs and IMiDs

New targets on myeloma cells and New drugs

BCMA

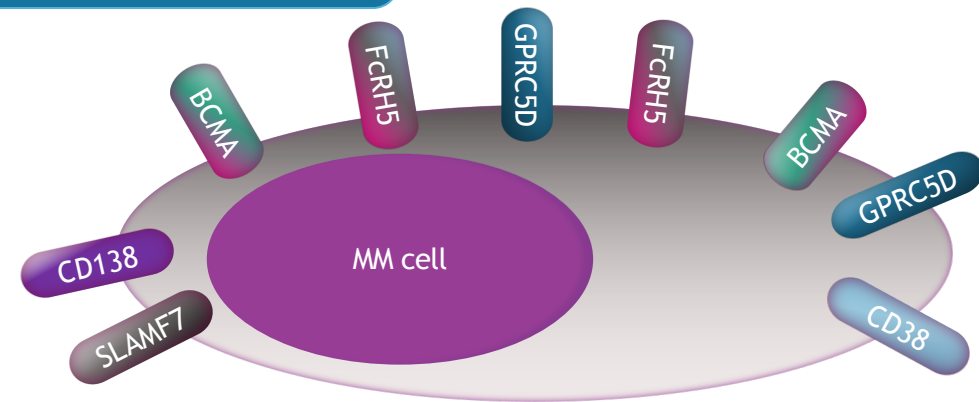
- BCMA is a member of the TNF receptor superfamily
- APRIL and BAFF are known ligands, leading to activation of the NF- κ B pathway
- BCMA promotes plasma cell survival, growth, resistance to apoptosis, adhesion, and angiogenesis
- γ -secretase cleaving causes shedding of soluble BCMA
- BCMA is expressed on malignant PCs, at low levels on normal PCs and mature B lymphocytes and is absent in non-hematological tissues

FcRH5

- FcRH5 is a surface protein in the Ig superfamily
- It is expressed only in B cells, with increasing expression in mature B cells and plasma cells
- FcRH5 is involved in proliferation and isotype expression

GPRC5D

- GPRC5D is a member of the G protein-coupled receptor family with an **unknown function**
- It is highly expressed on malignant PCs, as well as hard **keratinized structures** (hair shaft, nail, and central region of the tongue)



Modality of targeting: ADC, Bispecific antibodies, CAR-T cells

Outline

Bispecific Antibodies anti-BCMA

Bispecific Antibodies anti-GPRC5D

Bispecific Antibodies anti-FcRH5

Novel Constructs

Outline

Bispecific Antibodies anti-BCMA

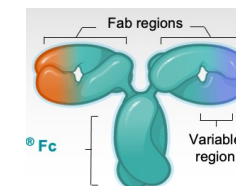
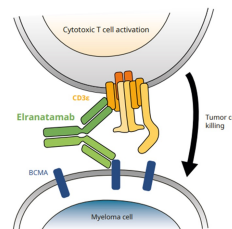
Bispecific Antibodies anti-GPRC5D

Bispecific Antibodies anti-FcRH5

Novel Constructs

BCMA-targeting bispecific antibodies

	Teclistamab MajesTEC-1 ¹ (n=165)	Elranatamab Magnetisimm3 ² (n=123)	ABBV-383B ³ (n=118)	Linvoseltamab LINKER-MM1 ⁴ (n=117)
Phase	I/II	I/II	I	II
Target	BCMA-CD3	BCMA-CD3	BCMA-CD3	BCMA-CD3
scFv	Humanized	Humanized	Human	Human
Ig	IgG4	IgG2a	IgG4	IgG4
Administration	SC	SC	IV	IV
# prior lines	5 (2-14)	5 (2-12)	5 (1-15)	5 (2-14)
Age	64 (33-84)	69 (44-89)	68 (35-88)	70 (37-91)



¹ Nooka et al. ASCO 2022; ² Bahlis et al. ASH 2022; ³ Voorhees et al. IMS 2022; ⁴ Hans L. et al. ASCO 2023;

MajesTEC-1: teclistamab for RRMM

Median N of prior lines: 5

Triple Class Exposed 100%, Triple class Refractory 77%

Dosing Schedule at RP2D

2 step-up doses of 60 µg/kg and 300 µg/kg

1500 µg/kg SC (cycle 1 and beyond)

Week -1

Week 1

Week 2

Week 3

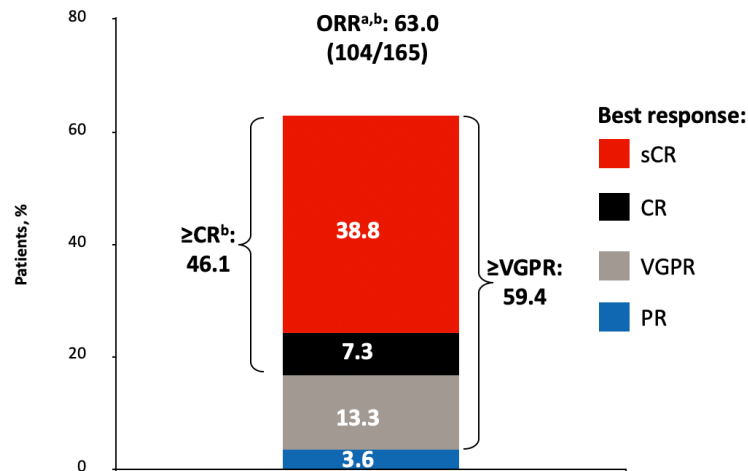
Tec

Tec

Tec

- Premedications^b were limited to step-up doses and first full dose
- No steroid requirement after first full dose

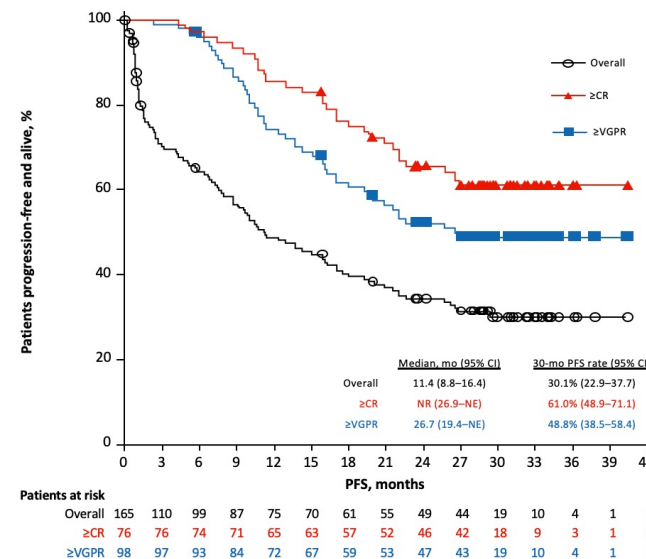
Overall response rates



ITT MRD negativity rate (10⁻⁵): 27%

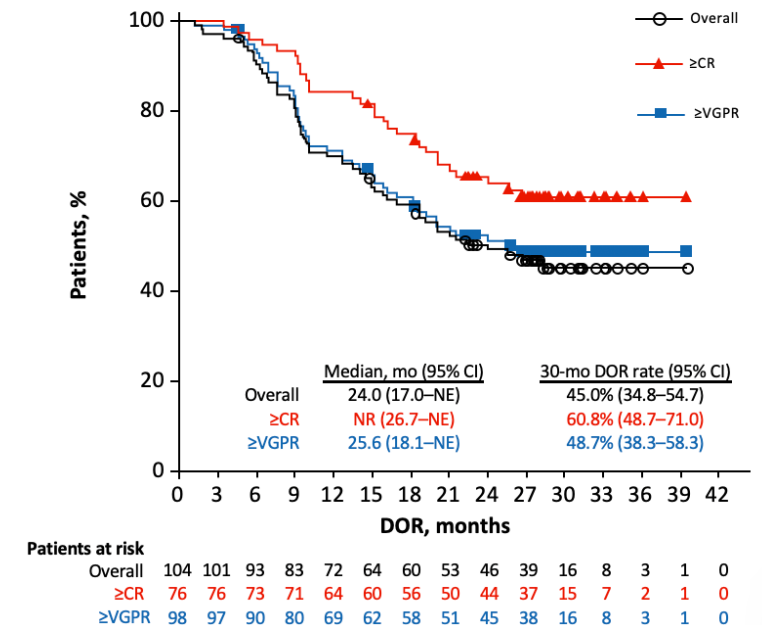
- 86% MRD-evaluable patients were MRD neg at any point

Progression-free survival



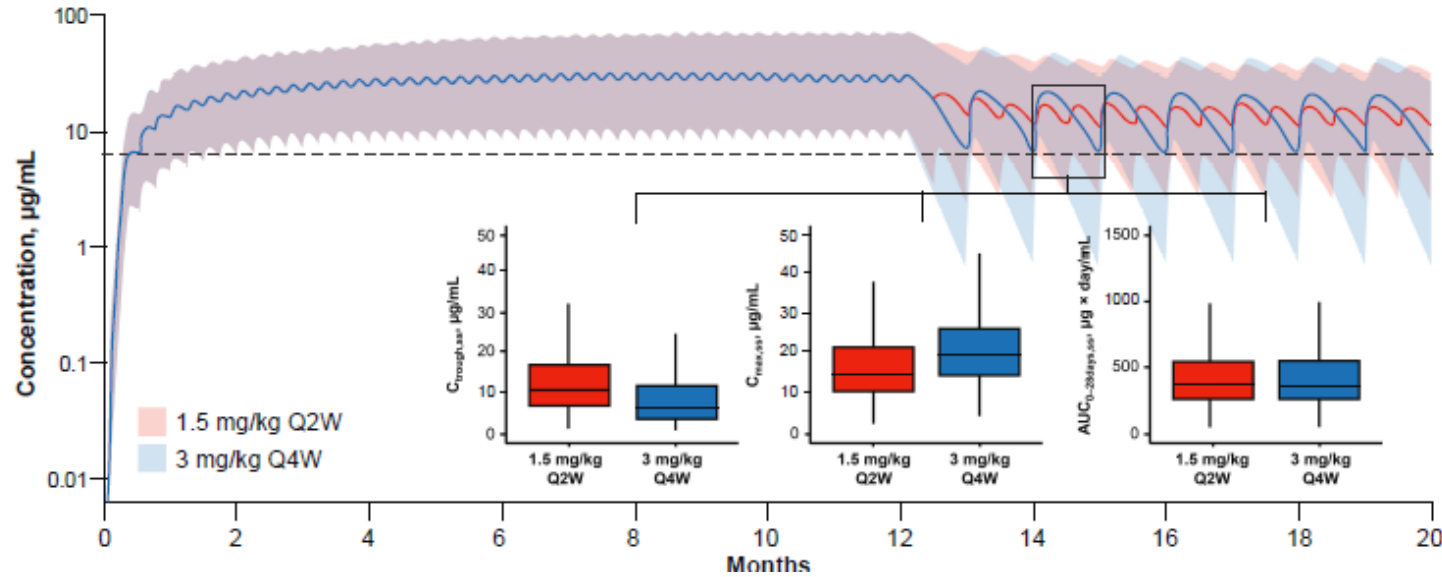
Median PFS: ≤3 prior LOT: 18.1 months; >3 prior LOT: 9.7 months

Duration of response



Less frequent dosing in responders: modelling and simulation data from the MajesTEC-1 study

Comparable estimated steady-state Teclistamab PK with 1.5 mg Q2W vs 3 mg/kg Q4W



- Modelling and simulation results from MajesTEC-1 support the approved switch to Teclistamab 1.5 mg/kg Q2W in patients maintaining a response for ≥ 6 months, and indicate comparable PK between the 1.5 mg/kg Q2W and 3 mg/kg Q4W Teclistamab doses
- Exposure-response trends suggest that switching from QW to Q2W dosing did not affect maintenance of response to Teclistamab
- Maintenance of tumor volume reduction and DoR were comparable between virtual patients who switched to Q2W dosing after maintaining a response for ≥ 6 months and those who remained on QW dosing, based on QSP modeling
- Results from Teclistamab population PK modeling suggest that the 3mg/kg Q4W schedule may provide maintenance of response comparable with the 1.5 mg/kg Q2W schedule
- Teclistamab 3 mg/kg Q4W dosing will be evaluated in 3 phase 3 studies (MajesTEC-3, MajesTEC-9, and MonumentAL-6) and in MajesTEC-10 (Phase I)

Teclistamab single agent data at ASH 2024: Insights from real-world experiences

- **Can we use Teclistamab in elderly patients?¹**
 - Real-world analysis from US Multiple Myeloma Immunotherapy consortium (n= 385, 83 aged 75 or older)
 - **Elderly** patients had lower % of EMD and trend towards lower incidence of HR-CA and lower proportion of triple-class refractory patients (>> **selection** bias)
 - Comparable safety with better survival likely related to better **patient selection** (mPFS 10.72 vs 5.2 m, p-value 0.005 and mOS NR vs 16.1 m, p-value 0.00479)
 - IMF database (N=81): frail older adults showed a trend towards higher rates of \geq grade 2 CRS, \geq grade 2 ICANS as well as \geq 3 grade infections. Efficacy was maintained.
- **Can we do the step-up dosing of Teclistamab in community hospitals?²** (n=156, 45 pts in community cohort)
 - High % of patients with prior BCMA-therapy in the academic setting (34.2% vs 22.2%).
 - Higher proportion of ISS1, slightly higher ECOG, lower renal impairment (34.2 vs 17.8%), lower disease burden in community cohort (EMD 38.7% vs 26.7%)
 - Comparable safety: similar incidence of infections, hospitalization due to infections (9.9% vs 6.7%).
 - Higher efficacy (ORR 62.1% vs 81.3%) in the community likely related to better **patient selection**
- **Tocilizumab prophylaxis in real-world (Teclistamab-Erlanetamab-Talquetamab)³** (n=72)
 - Tocilizumab IV 1h prior to SUD1. Overall incidence of CRS with tocilizumab 14%.
- **Teclistamab after anti BCMA⁴** (n=193)
 - Lower ORR, VGPR and PFS (4.6 vs 8.2); better PFS if treatment free interval > 8 months

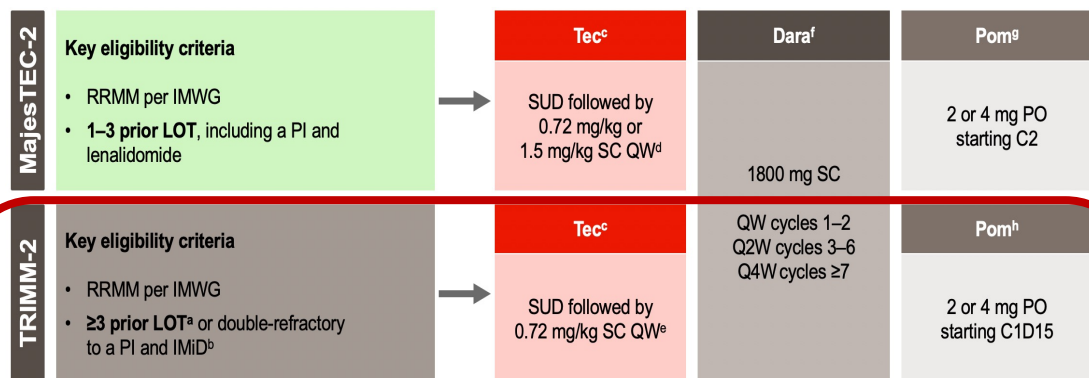
CRS, cytokine release syndrome; ECOG, Eastern Cooperative Oncology Group; EMD, extra medullary disease; HRCA, high-risk cytogenetic abnormalities; ISS, international staging system; IV, intravenous; m, months; mOS, median overall survival; mPFS, median progression free survival; NR, not reached; ORR, objective response rate; US, United States.

1. Pasvolsky O et al, ASH 2024 (Abstract No.0934 - oral presentation); 2. Khan A et al, ASH 2024 (Abstract No. 0933 - oral presentation); 3. Kowalski A et al, ASH 2024 Abstract No. 0932 - oral presentation).4; Dima D at al ASH 2024 Abstract No. 0897

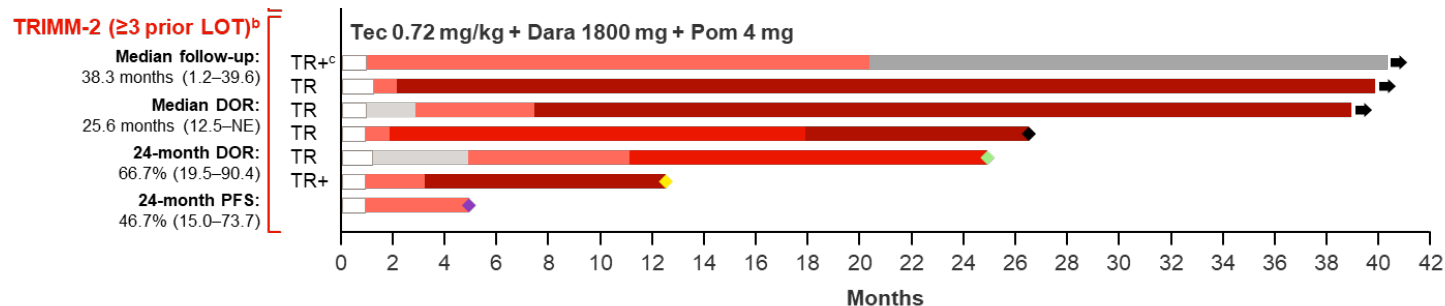
Teclistamab based Combinations: TRIMM-2 study

Teclistamab + daratumumab + pomalidomide

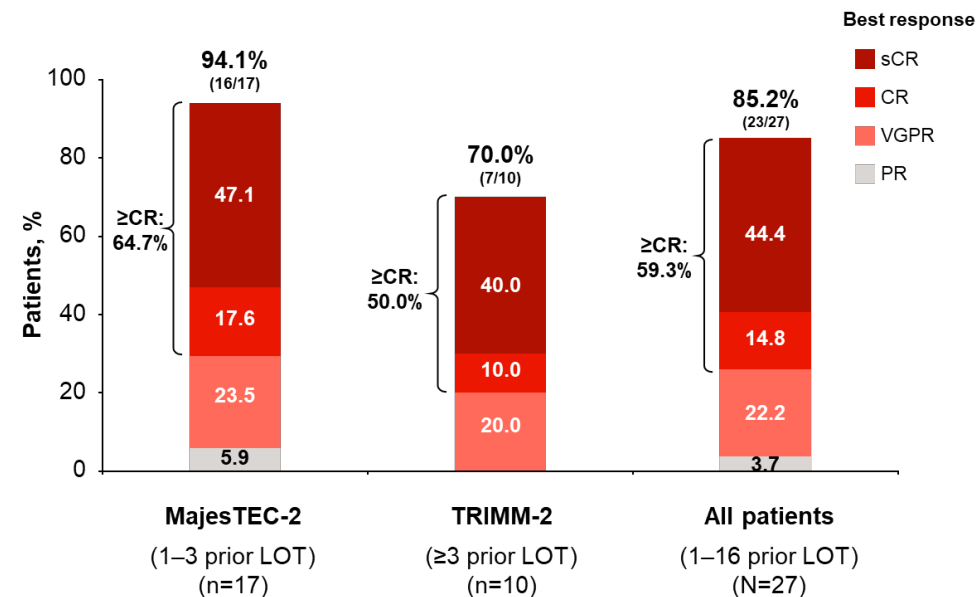
Study design



TRIMM-2: ≥3 PL or double-refractory.^{a,b}
N=10. Median of 4 PL.
70% Triple-class refractory. 30% prior BCMA



	TRIMM-2 (≥3 prior LOT); n=10	
	Any Grade	Grade 3/4
Any infection	9 (90.0)	6 (60.0)
Infections^a		
Upper respiratory tract infection	4 (40.0)	0
Pneumonia	4 (40.0)	4 (40.0)
Sinusitis	4 (40.0)	1 (10.0)
COVID-19	4 (40.0)	1 (10.0)
COVID-19 pneumonia	1 (10.0)	1 (10.0)
Hypogammaglobulinemia		
Hypogammaglobulinemia ^b	10 (100)	
Received IVIG ^c	8 (80.0)	

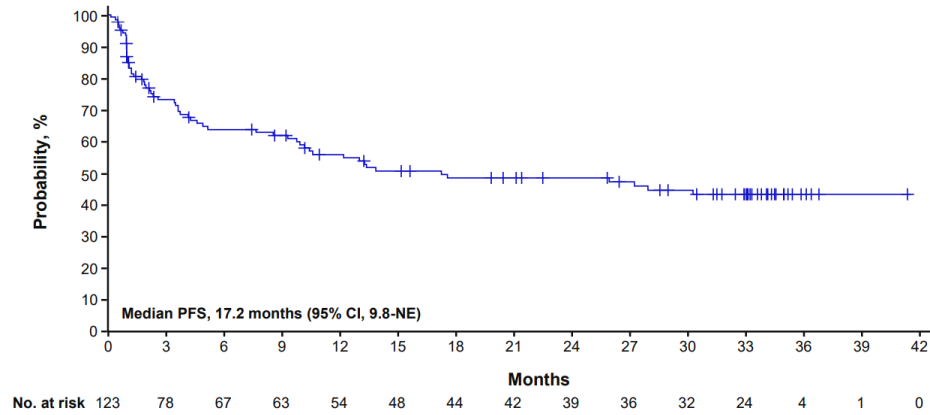


Elranatamab: Phase 2 MagnetisMM-3 trial

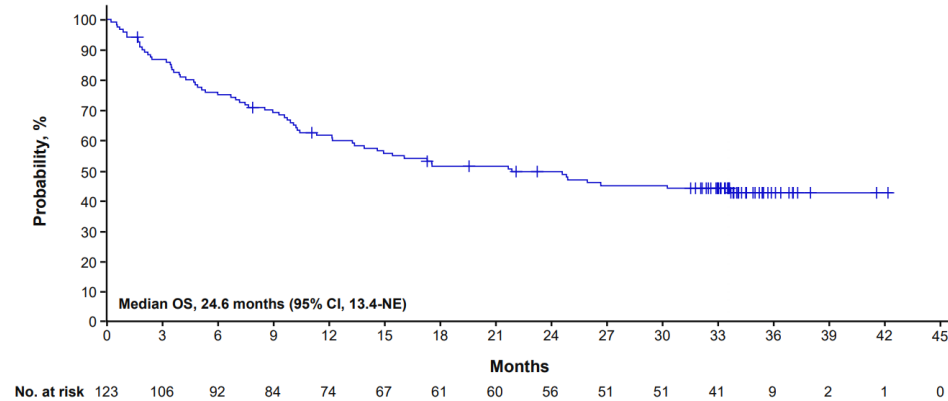
Median FUP 33.9 m

Key inclusion: RRMM ≥ 3 PL, Triple-class refractory (97%); Penta-ref: 41.5%^a Median age 68 y (36.0-89.0). Median n°PL: 5 (2.0-22.0).

PFS [mPFS 17.2m (9.8 – NE)]



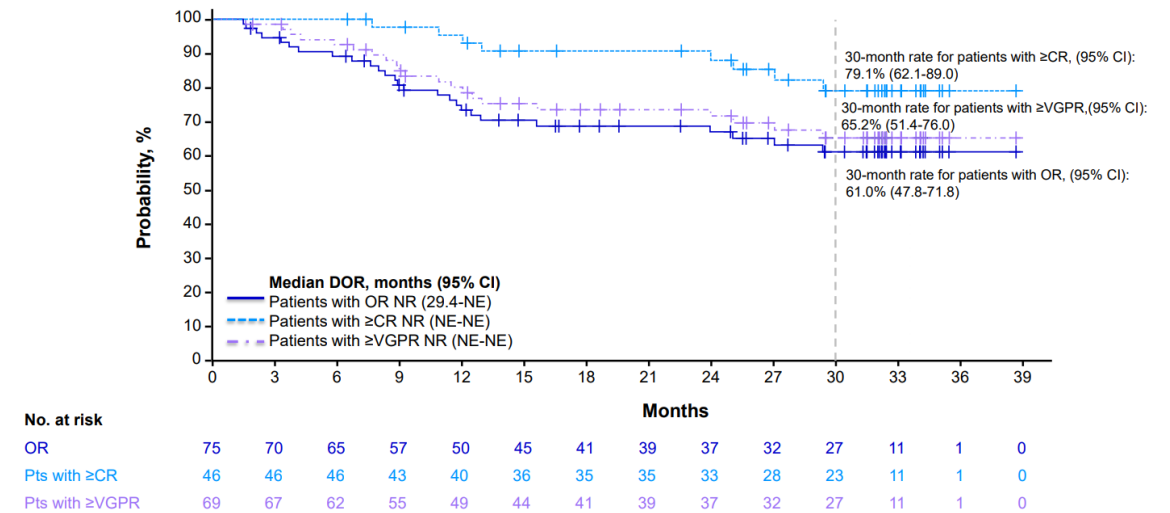
OS [mOS 24.6 m (13.4 – NE)]



Response

ORR 61.0%, ≥ CR 37.4%; ≥VGPR 47.2%
 MRD-negativity at the threshold of 10⁻⁵ was achieved by 90.3% of those pts in CR/sCR (n=31)

Duration of response



Safety:

No new safety signals were observed

^aPenta-drug refers to ≥2 proteasome inhibitors, ≥2 immunomodulatory drugs, and ≥1 anti-CD38 antibody.
 CI, confidence interval; (s)CR, (stringent) stable complete response; DOR, duration of response; mFUP, median follow up; mo, months; NE, not evaluable; NR, not reached; OR, objective response; (m)OS, (median) overall survival; (m)PFS, (median) progression-free survival; PL, prior lines; pts, patients; Q4W, every 4 weeks; RR, relapsed/refractory; TCE, triple-class exposed; VGPR, very good partial response; .
 1. Prince HM, et al. ASH 2024 (Abstract No. 4738 – poster).

Elranatamab Combination: MagnetisMM-20 trial (Erla-Kd)

Median FUP: 8.9m

Key inclusion: RRMM 1-3 PL, K-sensitive. If prior K wash-out at least 6 months. No prior BCMA.
 Median n°PL 2 (1-3); TCE 50%, only 1 prior K.
 N=12

DL1 Elranatamab 12, 32 and 44mg QW until C7 then Q2W
DL2 12, 32 and 76mg QW until C7 then Q2W
+ Carfilzomib (K) 70mg/m2 weekly*

Safety

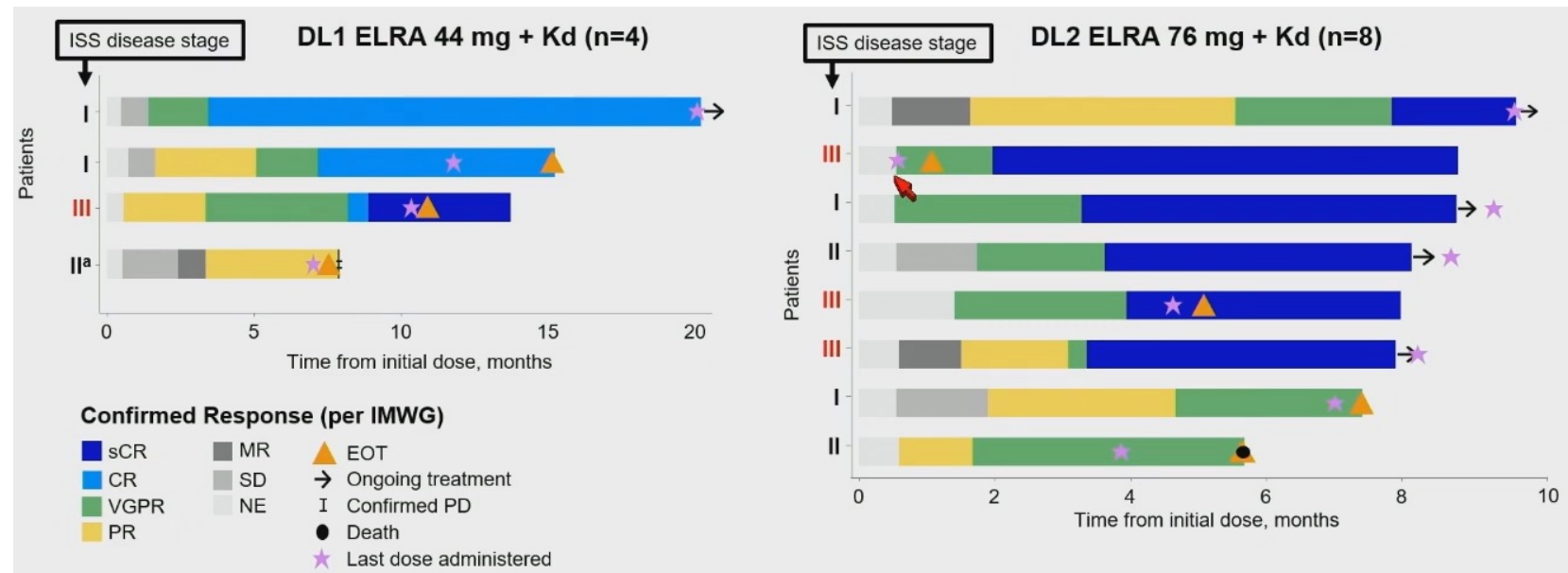
TEAEs	All grade	G3-4
Neutropenia	9 (75%)	9 (75%)
Thrombocytopenia	9 (75%)	5 (41.7%)
Infections	11 (91.7%)	2 (16.7%)
CRS	9 (75%)	0
Diarrhea	6 (50%)	1 (8.3%)
CMV reactivation	6 (50%)	1 (8.3%)

No ICANS was reported
 No DLT in 10 evaluable patients

Response

ORR 100%; ≥CR 75%; ≥VGPR 91.7%

Swimmer plot of response per investigator

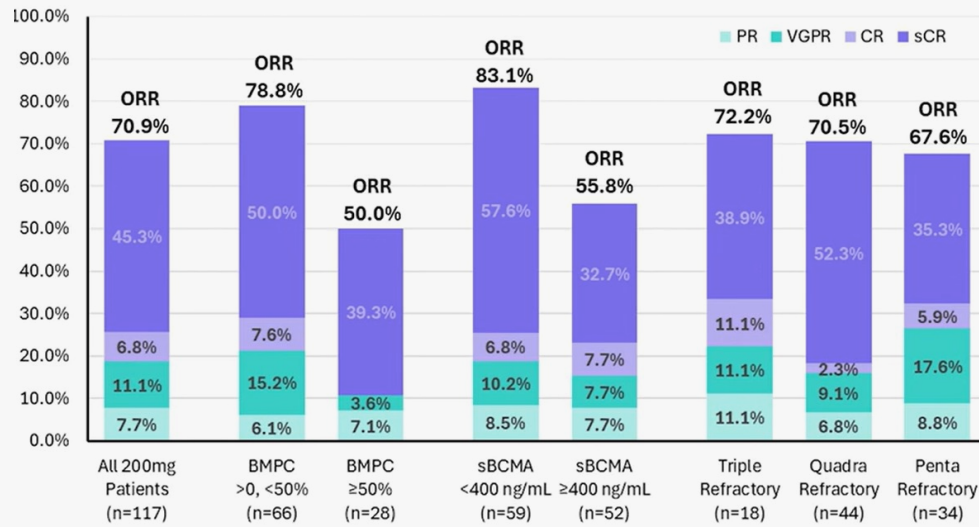


*If patients received 6 or more months of QW ELRA and achieved PR or better (lasting 2 or months), they could change to Q2W dosing at the same DL.
 BsAbs, bispecific antibodies; (s)CR, (stringent) stable complete response; CMV, cytomegalovirus; CRS, cytokine release syndrome; D, dexamethasone; DL, dose level; DLT, dose-limiting toxicity; Elra, elranatamab; EOT, end of trial; G, grade; K, carfilzomib; ICANS, immune cell associated neurotoxicity syndrome; IMWG, International Myeloma Working Group; ISS, international staging system; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PL, prior lines; (VG)PR, (very good) partial response; QW, weekly; Q2W, every other week; SD, stable disease; TCE, triple class exposed; TEAE, treatment emergent adverse event.
 Tomasson MH, et al. ASH 2024 (Abstract No. 1024 – oral presentation).

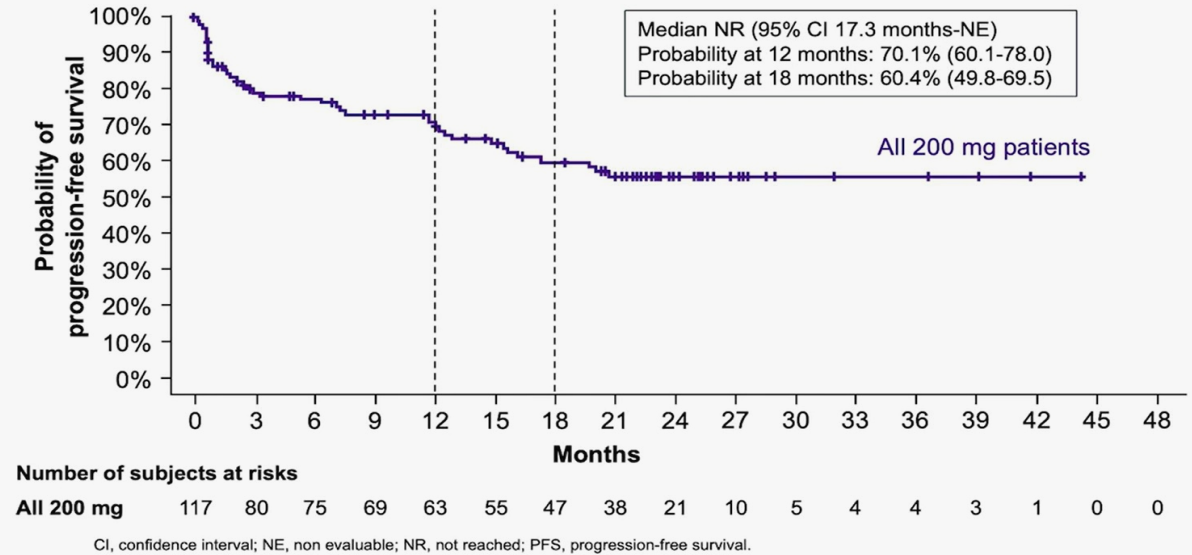
Linvoseltamab Phase 1/2 FIH study in RRMM

Patient characteristics: Median age 70y; ISS III in 17.9%; EMD 14.5%; Median n° PL: 5 (2-19); (N=117; median FU 21.3 months)

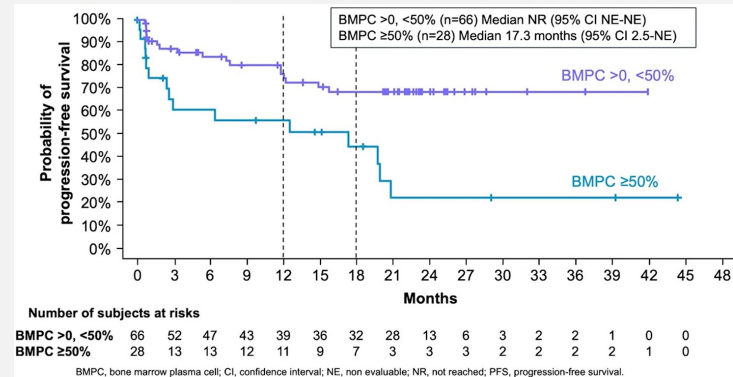
ORR in overall population and key selected groups



PFS at 200 mg



BMPC



Shorter PFS among pts with high-tumor burden

No new safety signal
Infections 75.2; Grade 3-4 36.8%

ABBV-383 (etentamig) combination + Dara + Dex

Phase 1b dose escalation and safety expansion study

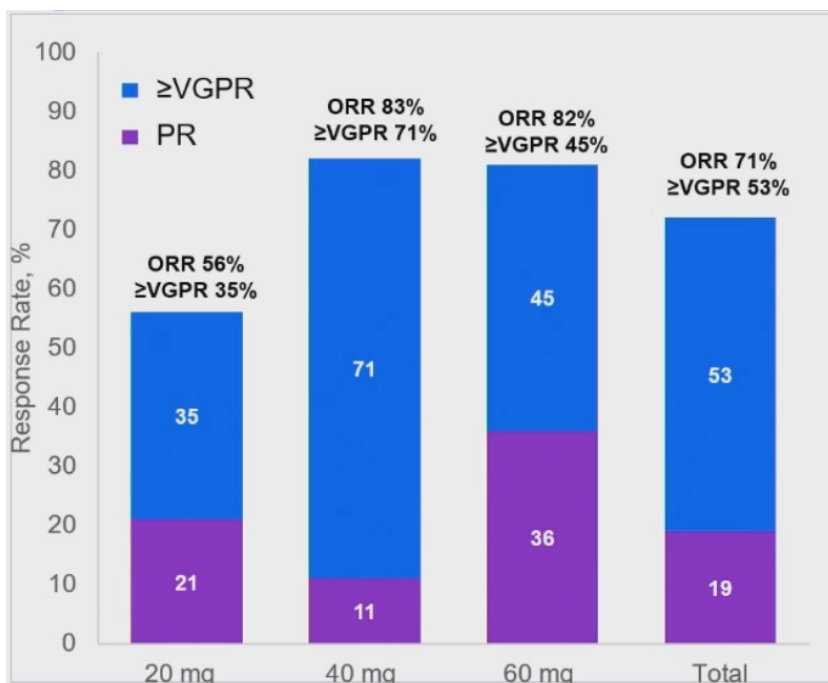
Median n° PL: 4 (3-10); Prior AntiCD38 was allowed with > 90 days wash-out; AntiCD38-refractory 56%. Triple-class exposed 70%. N=86

ABBV-383 is composed of a *bivalent BCMA-binding domain with high avidity, a low-affinity CD3-binding domain* designed to mitigate cytokine release with potential for minimal T-cell exhaustion, and a present but silenced Fc tail resulting in an extended half-life and convenient dosing interval (every 4 weeks [Q4W]).

Safety

Adverse events	All grades	Grade 3-4
Neutropenia	48%	44%
CRS	29%	4%
ICANs	4%	1%
Infections	67%	26%

Efficacy



	Etentamig + Daratumumab-Dexamethasone			
	20 mg n=34 ^a	40 mg n=35 ^a	60 mg n=11	Total N=80
Median follow-up, months ^b (range)	4 (0-17)	8 (1-13)	8 (1-10)	7 (0-17)
Median time to first response, months (range)	1.1 (1-6)	1.0 (1-4)	1.0 (0-1)	1.0 (0-6)
Depth of response				
sCR/CR	5 (15)	14 (40)	3 (27)	22 (28)
MRD neg (<10 ⁻⁵) among evaluable sCR/CR	1/2 (50)	12/12 (100)	3/3 (100)	16/17 (94)

- 10 patients (12%) discontinued due to AEs
- 12 TEAE leading to death (none deemed related to the study drug)

^aData combined for dose-escalation and safety expansion cohorts. ^bBased on N=86 total patients in the full analysis set. Median follow up is 16 months (1-17) and 4 months (0-5) for 20 mg dose-escalation and -expansion cohorts, respectively, and 13 months (9-13) and 7 months for 40 mg dose-escalation and -expansion cohorts, respectively.

(s)CR, (stringent) stable complete response; CRS, cytokine release syndrome; ICANs, immune cell associated neurotoxicity syndrome; MRD, minimal residual disease; ORR, objective response rate; (VG)PR, (very good) partial response; TEAE, treatment emergent adverse event.

1Rodriguez C, et al. ASH 2024 (Abstract No. 496 – oral presentation).

Outline

Bispecific Antibodies anti-BCMA

Bispecific Antibodies anti-GPRC5D

Bispecific Antibodies anti-FcRH5

Novel Constructs

GPRC5D × CD3 T-cell bispecific antibody: Talquetamab

MonumenTAL-1, Phase I/II study

Trial design²

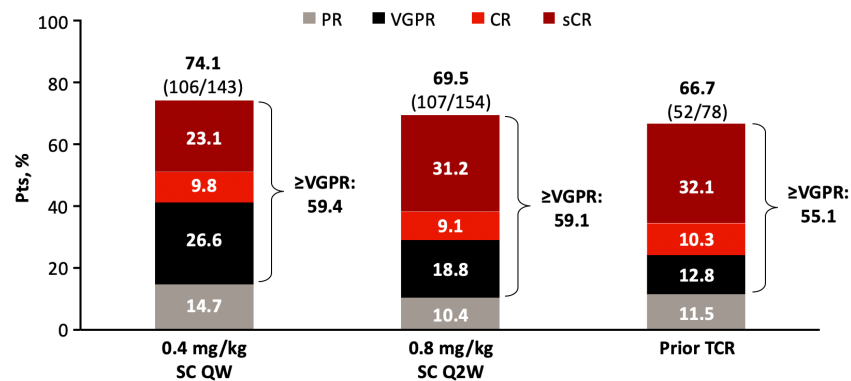
RP2D 0.4 mg/kg QW SC

- Prior BCMA-targeting ADC treatment allowed
- Prior T-cell redirecting therapy-naïve (n=143; n=21 Phase I and n=122 Phase II)

RP2D 0.8 mg/kg Q2W SC

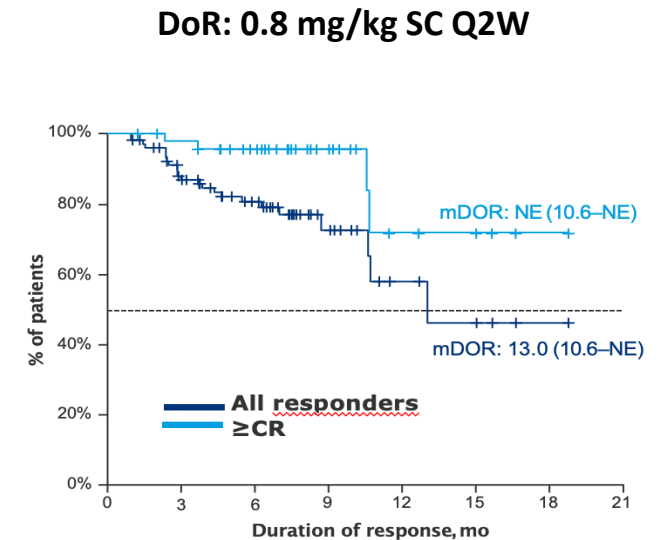
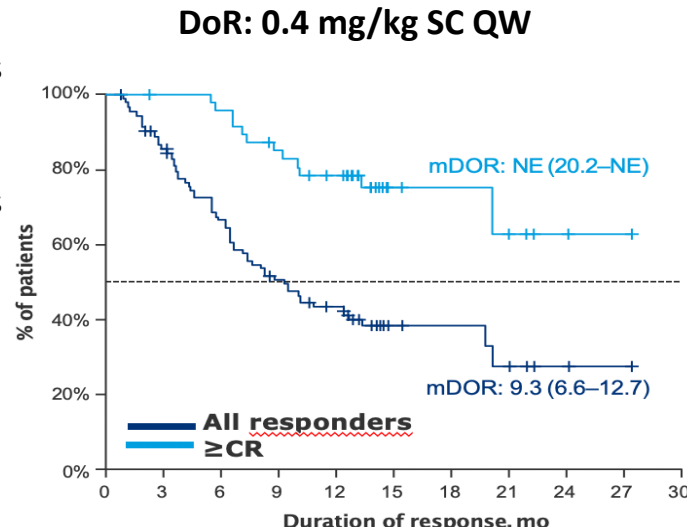
- Prior BCMA-targeting ADC treatment allowed
- Prior T-cell redirecting therapy-naïve (n=145; n=36 Phase I and n=199 Phase II)

Response rates²



Duration of response³

100% triple-class exposed
69–74% triple-class refractory



Efficacy Outcomes	0.4 mg/kg QW (n = 143)	0.8 mg/kg Q2W (n = 154)	Prior TCR (n = 78)
Median follow-up, mo	29.8	23.4	20.5
Median DOR, mo (95% CI) [†]	9.5 (6.7–13.4)	17.5 (12.5–NR)	NA [‡]
Median PFS, mo (95% CI)	7.5 (5.7–9.4)	11.2 (8.4–14.6)	7.7 (4.1–14.5)
24 mo OS rate (95% CI)	60.6 (51.7–68.4)	67.1 (58.3–74.4)	57.3 (43.5–68.9)

AE, adverse event; BCMA, B-cell maturation antigen; CI, confidence interval; CR, complete response; CRS, cytokine release syndrome; DOR, duration of response; ICANS, immune cell effector cell-associated neurotoxicity syndrome; mPFS, median progression-free survival; PR, partial response; NA, not applicable; NR, not reported; Q2W, every 2 weeks; QW, weekly; RP2D, recommended Phase II dose; SC, subcutaneous; sCR, stringent complete response; VGPR, very good partial response.

1. Chari A, et al. N Engl J Med 2022;387:2232-2244; 2. Schinke CD, et al. ASCO 2023 (Abstract No. 8036 – oral presentation); 3. Chari A, et al. ASH 2022 (Abstract No. 157 – presentation); Rasche L, et al, EHA24.

Targeting GPRC5D after anti-BCMA treatment: Real world data

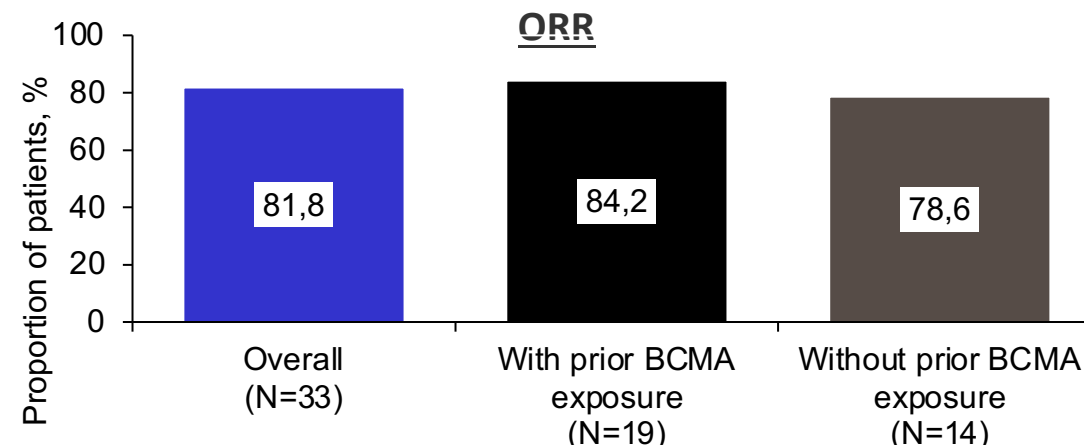
Talquetamab, GPRC5DxCD3 : US Single Center¹

	BCMA CAR-T naïve (n=19)	BCMA CAR-T exposed (n=18)	BCMA BsAb exposed (n=6)	BCMA CAR-T and BsAb exposed (n=12)
ORR, n (%)	13 (68)	14 (78)	3 (50)	6 (50)
CR, n (%)	2 (11)	11 (61)	1 (17)	4 (33)

Talquetamab, GPRC5DxCD3 : US Retrospective 5 Centers²

Subgroup	ORR, n/N (%)	P value
BDT as immediate prior line		
Yes	12/25 (48.0)	<0.01
No	29/38 (80.6)	
Time from BDT		
<6 months	21/37 (56.8)	0.02
≥6 months	22/26 (84.6)	

Talquetamab, GPRC5DxCD3 : Real world Acentrus STUDY³



AEs of Interest	N=50
Dysgeusia, n (%)	34 (68.0)
Improvement	
Yes	21 (61.8)
Days to improvement, mean [median]	79.0 [77.5]
No	6 (17.6)
Missing/unknown	7 (20.6)
Decrease in weight, n (%)	24 (48.0)
Change from baseline (median, %)	-6.5%
<5	9 (37.5)
5 - <10	12 (50.0)
10 - <20	3 (12.5)
≥20	0 (0.0)

Outline

Bispecific Antibodies anti-BCMA

Bispecific Antibodies anti-GPRC5D

Bispecific Antibodies anti-FcRH5

Novel Constructs

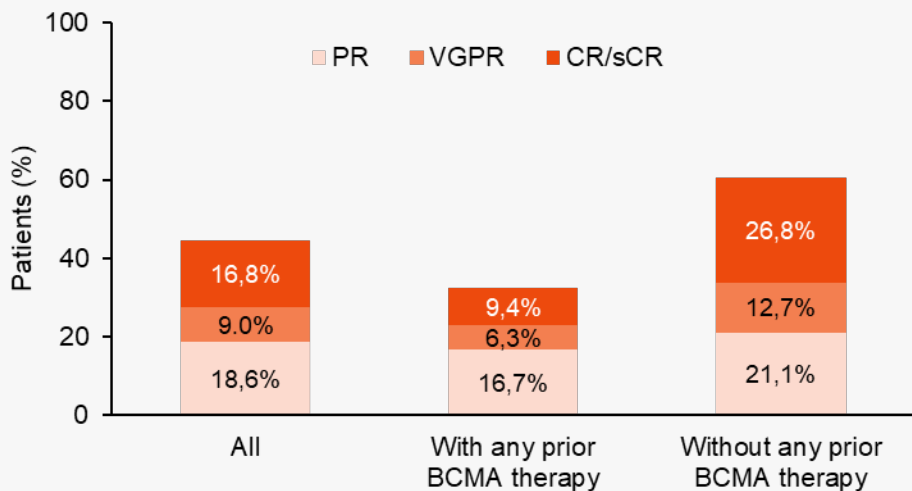
Cevostamab (FcRH5-CD3 BsAbs)_GO39775 phase 1 trial

Key inclusion: RRMM for which no stabilised therapies is available. Prior BCMA or GPRC5d were allowed.

Median n° PL 6 (2-18); 57.5% prior BCMA, 35.9% prior CAR, 24% prior BSABs, 20.4% prior ADC
N=324

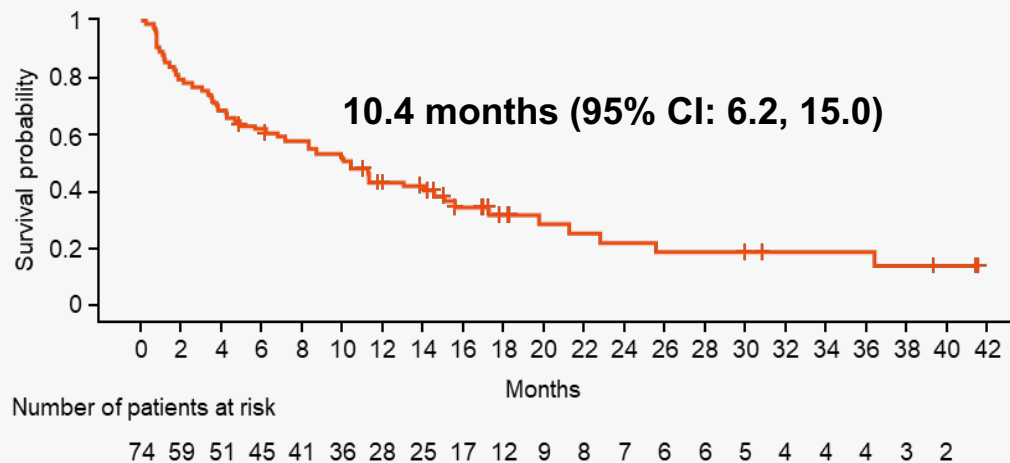
Fixed duration (17 cycles = 12 m) Several cohorts evaluated
167 patients were treated at 160mg full dose with different SUD
0.3/1.2/3.6/160mg Q3W TS cohort >> Schedule moving forward

ORR at the 160 mg TD level in all patients and in patient subgroups by prior BCMA therapy



- median time to first response: 1.4 m (range: 0.5–4.6)
- median time to best response: 2.6 m (range: 0.5–13.4)

DoR at the 160 mg TD level among patients in PR+ (n=74)



- mDoR in VGPR+ (n=43): 21.2 months (95% CI: 15.0, 36.4)*

DoR after completion of therapy (17 cycles)

- 28 patients completed 17 cycles of treatment at the 160mg TD level
- 9 patients had responses ≥6 months from completion (8/9 in CR/sCR at completion)
- 6 patients had ongoing responses of <6 months
- 1 patient in sCR withdrew from study

Time on study in months, median (range): 14.8 (0.5-48.8).†

*Unvalidated analysis; data cut-off: Aug 22, 2024; †Includes time after completion and/or discontinuation of treatment when AE reporting was limited to 90 days after the last dose of study drug of another anti-cancer therapy, whichever occurred first, and to treatment-related SAEs thereafter.

ADC, antibody-drug conjugate; BsAbs, bispecific antibodies; CAR, chimeric antigen receptor; CI, confidence interval; (s)CR, (stringent) stable complete response; (m)DoR, (median) duration of response; mFUP, median follow up; m, months; ORR, objective response rate; PFS, progression-free survival; PL, prior lines; (VG)PR, (very good) partial response; Q3W, every 3 weeks; RR, relapsed/refractory; SAE, serious adverse event; SUD, step-up dose; TD, total dose.

Richter J, et al. ASH 2024 (Abstract No. 1021 – presentation).

Cevostamab (FcRH5-CD3 BsAbs)_GO39775 phase 1 trial

Adverse events at the 160mg TD level (n=167)

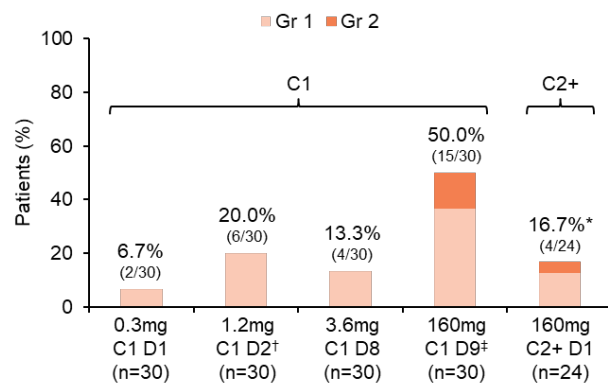
N (%) unless stated	Any	Any related
Time on study in months, median (range)*	14.8 (0.5–48.8)	
AE	167 (100)	154 (92.2)
Gr 3–4	96 (57.5)	72 (43.1)
Gr 5 (fatal) excluding PD	10 (6.0) [†]	3 (1.8) [‡]
SAE	96 (57.5)	47 (28.1)
AE leading to treatment discontinuation	30 (18.0)	13 (7.8)

- Most Gr 3–4 AEs were reversible cytopenias
- Almost all CRS was Gr 1–2, with the profile influenced by the step-dosing regimen

CRS Events at the RP2D dose (n=30)

	C1 0.3/1.2/3.6/160mg TS
N (%) of patients with:	n=30
CRS	19 (63.3)
Gr 1	14 (46.7)
Gr 2	5 (16.7)
Gr 3+	0
CRS leading to discontinuation	0
N (%) of patients receiving:	n=30
Tocilizumab	9 (30.0)
Steroids	4 (13.3)
Tocilizumab and steroids	2 (6.7)
N (%) of CRS events:	n=35
Resolved at data cut-off	35 (100)

CRS in the C1 0.3/1.2/3.6/160mg TS cohort by dose and Gr



Infections at 160 mg (n=167)

N (%) of patients	n=167
AE of infection	91 (54.5)
Gr 3–5 AE of infection	32 (19.2)
Gr 3	24 (14.4)
Gr 4	2 (1.2)
Gr 5 (fatal)	6 (3.6)
SAE of infection	37 (22.2)
AE of infection leading to treatment discontinuation	10 (6.0)

N (%) of patients	n=167
Pneumonia	16 (9.6)
URI	14 (8.4)
UTI	12 (7.2)
Rhinovirus infection	9 (5.4)
COVID-19	8 (4.8)
Sinusitis	6 (3.6)
Viral URI	6 (3.6)
Pneumonia viral	4 (2.4)
Conjunctivitis	4 (2.4)
Oral candidiasis	4 (2.4)
Skin infection	4 (2.4)

Outline

Bispecific Antibodies anti-BCMA

Bispecific Antibodies anti-GPRC5D

Bispecific Antibodies anti-FcRH5

Novel Constructs

ISB 2001 (BCMAxCD38xCD3 trispecific antibody) FIH Dose escalation Ph1 trial

Key inclusion: TCE RRMM. Prior CAR, BsAbs and BCMA allowed. N=20
 Median n° PL 6 (3-11); Triple-class refr 5 (25%). AntiBCMA CAR n=2, AntiBsAbs n=9 [4 GPRC5d, 6 FcRH5, 1 BCMA]. 5 patients with prior BCMA-ADC. EMD in 30%.

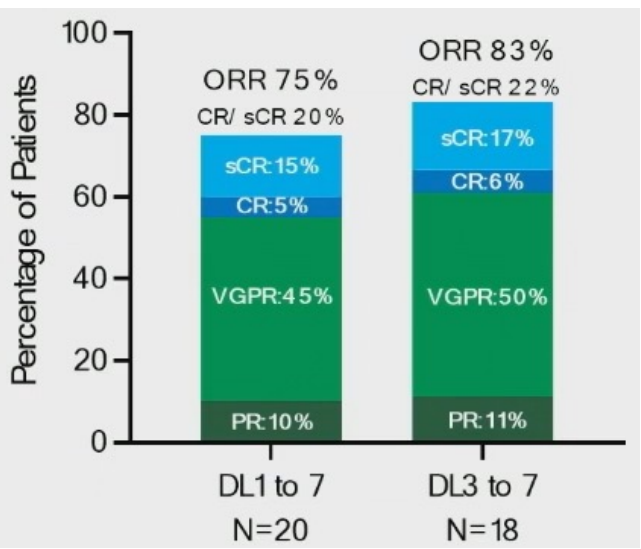
ISB2001 SUD 1 (C1D1), C1D4 SUD2 and weekly dosing

Safety

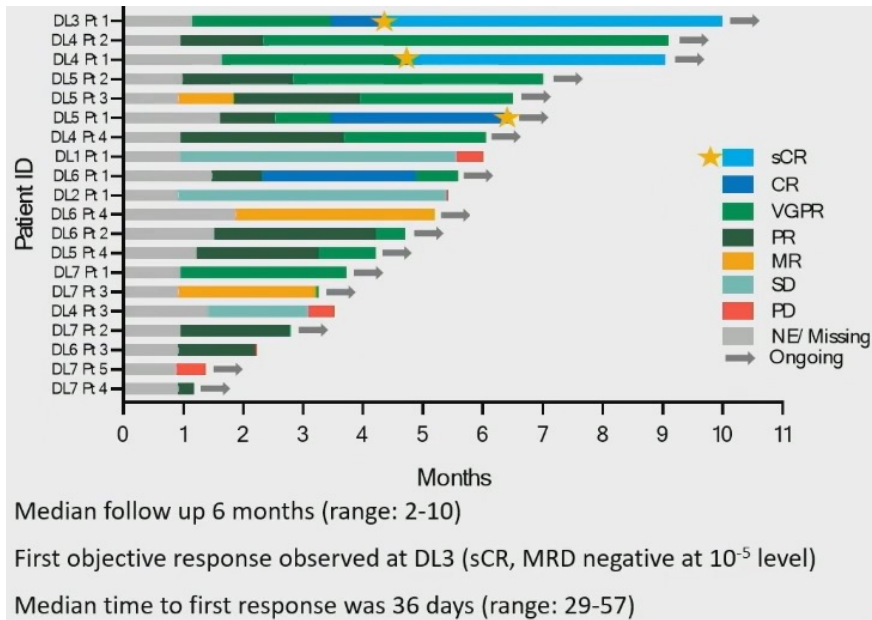
TEAEs	All grade	Grade 3	Grade 4
Neutropenia	7 (35%)	3 (15%)	3 (15%)
Related infections	9 (45%)	3 (15%)	0
CRS	15 (75%)	0	0
Median time to CRS 3 days (1-118) Median duration of CRS: 2 (1-8) days			
No neurological AEs or ICANS			

Response

ORR



DoR



- Responses were maintained in patients refractory to antiCD38 MoAb
- Responses in patients without **any prior CAR/BsAbs (n=10): ORR 90%; sCR 30%.**
- ORR in patients with **prior CAR or BsAbs (n=8) 75%, sCR 13%**
- ORR in patients with **prior BCMA therapy (n=7) 86%, CR 14%.**

ADC, antibody drug conjugate; AE, adverse event; BsAbs, bispecific antibodies; C, cycle; CAR, chimeric antigen receptor; (s)CR, (stringent) stable complete response; CRS, cytokine release syndrome; D, day; DL, dose level; DoR, duration of response; EMD, extra medullary disease; FIH, first in humans; ICANS, immune cell associated neurotoxicity syndrome; mAb, monoclonal antibody; MRD, minimal residual disease; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PL, prior lines; (VG)PR, (very good) partial response; SD, stable disease; SUD, step-up dose; TCE, triple class exposed; TEAE, treatment emergent adverse event.
 1. Quach H, et al. ASH 2024 (Abstract No. 1026 – oral presentation).

EMB06 (2+2 BCMAxCD3 BsAbs): Ph1 dose escalation study

Novel 2+2 BCMAxCD3 features tetravalent binding domains in cis-configuration and optimized anti-CD3 arms.

Key eligibility: RRMM ≥2 prior lines. Prior PI and IMiDs exposure. AntiCD38 if accessible. N=40 , median 3 prior lines

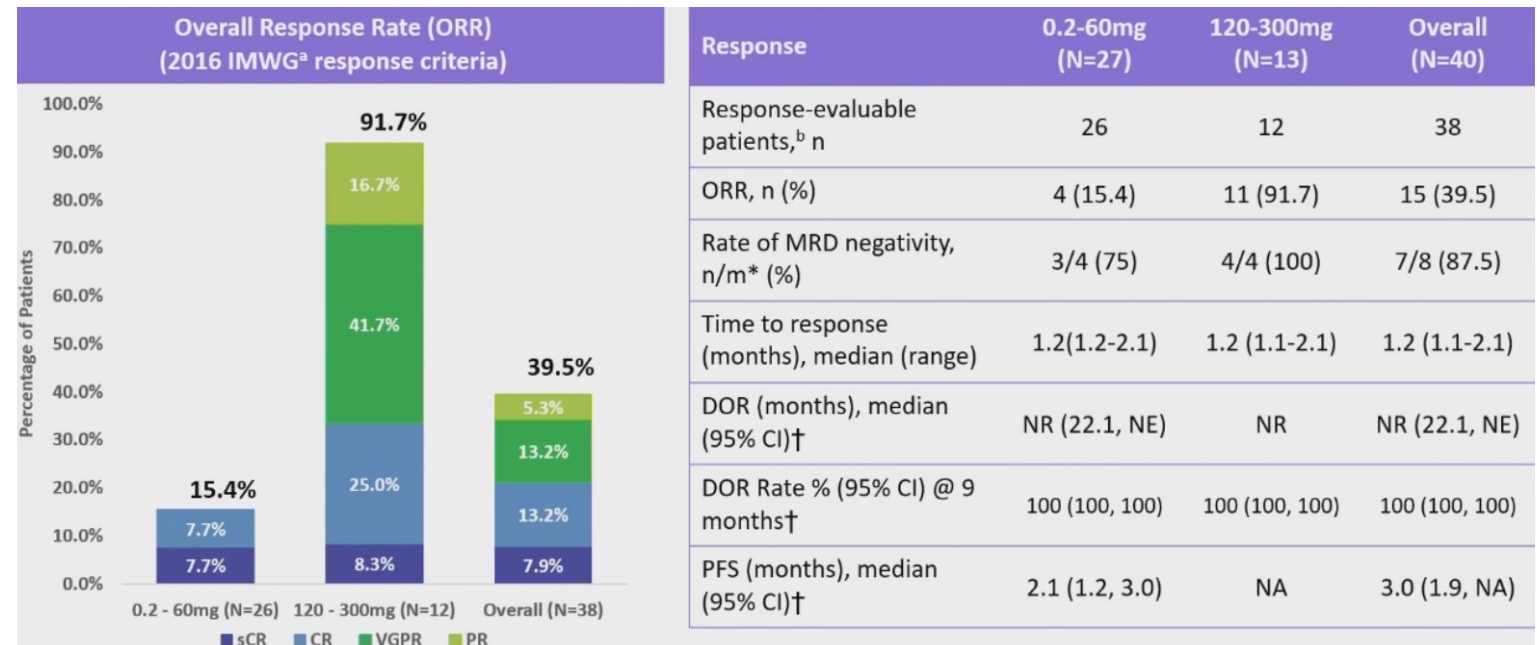
Dosing Schedule: 1-2 SUD followed by weekly dosing

Safety

TEAEs	All grade	G3-4
Neutropenia	17 (42.5%)	10 (25%)
Thrombocytopenia	13 (32.5%)	8 (20%)
Fever	14 (35%)	1 (2.5%)
Infections	28 (70%)	15 (37.5%)
Opportunistic infections	3 (7.5%)	1 (2.5%)

- No ≥G3CRS
- **4 deaths from TEAEs included: 3 PD and 1 cardiac failure.**
- TEAEs leading to dose interruption 23 (57.5%)

Response



Conclusions

Bispecific Antibodies anti-BCMA:

- Teclistamab and Erlanatumab single agent in late lines ORR \sim 60%, mPFS 11-17 months;
- Tec real life: importance of pt selection? Dose Optimization?*

Bispecific Antibodies anti-GPRC5D:

- Talquetamab ORR \sim 70%; mPFS 7-11 months.
- *Role for sequencing after BCMA? Dose/Schedule optimization?*

Bispecific Antibodies anti-FcRH5

- Cevostamab ORR \sim 45%; mduration of response 10 months ; fixed duration

Future Development

- *Novel Constructs under development*
- *Combo under evaluation \rightarrow is there a role for combo in late lines?*

Thank you

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