

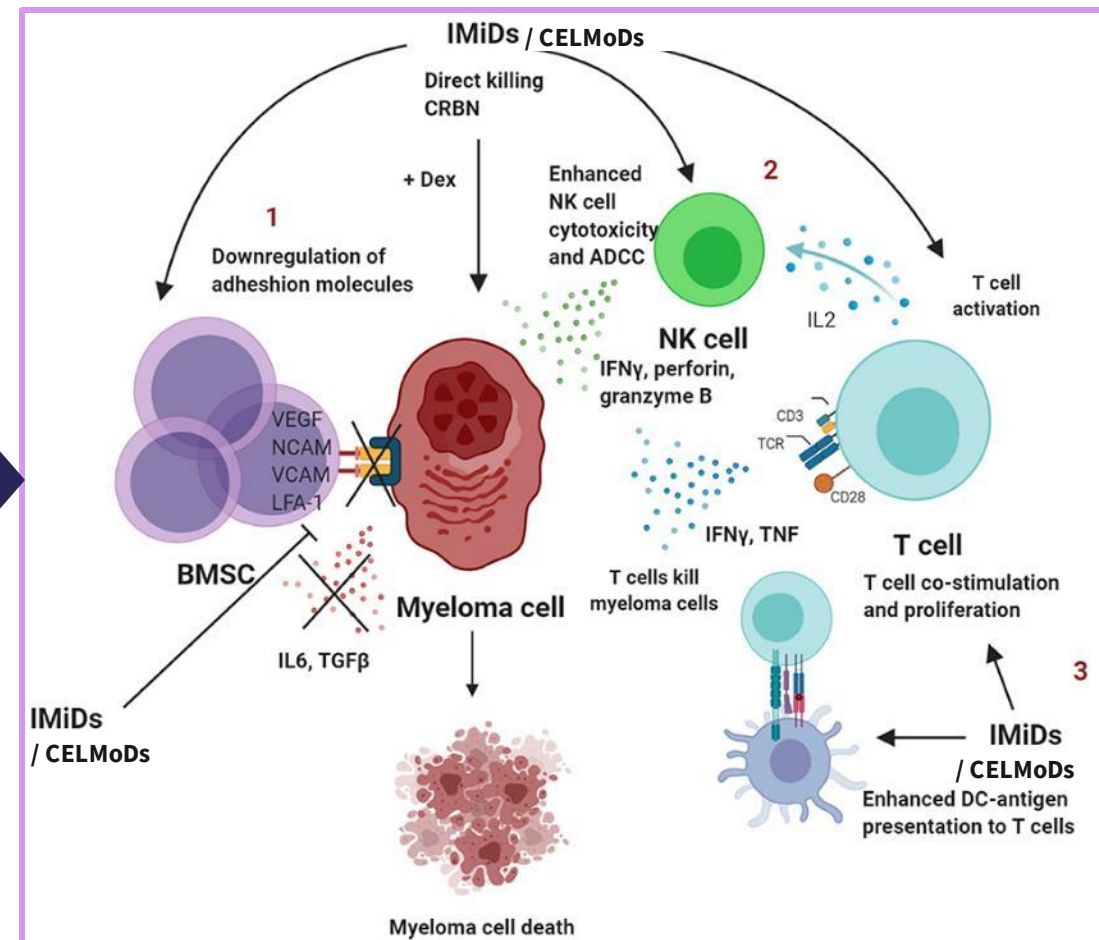
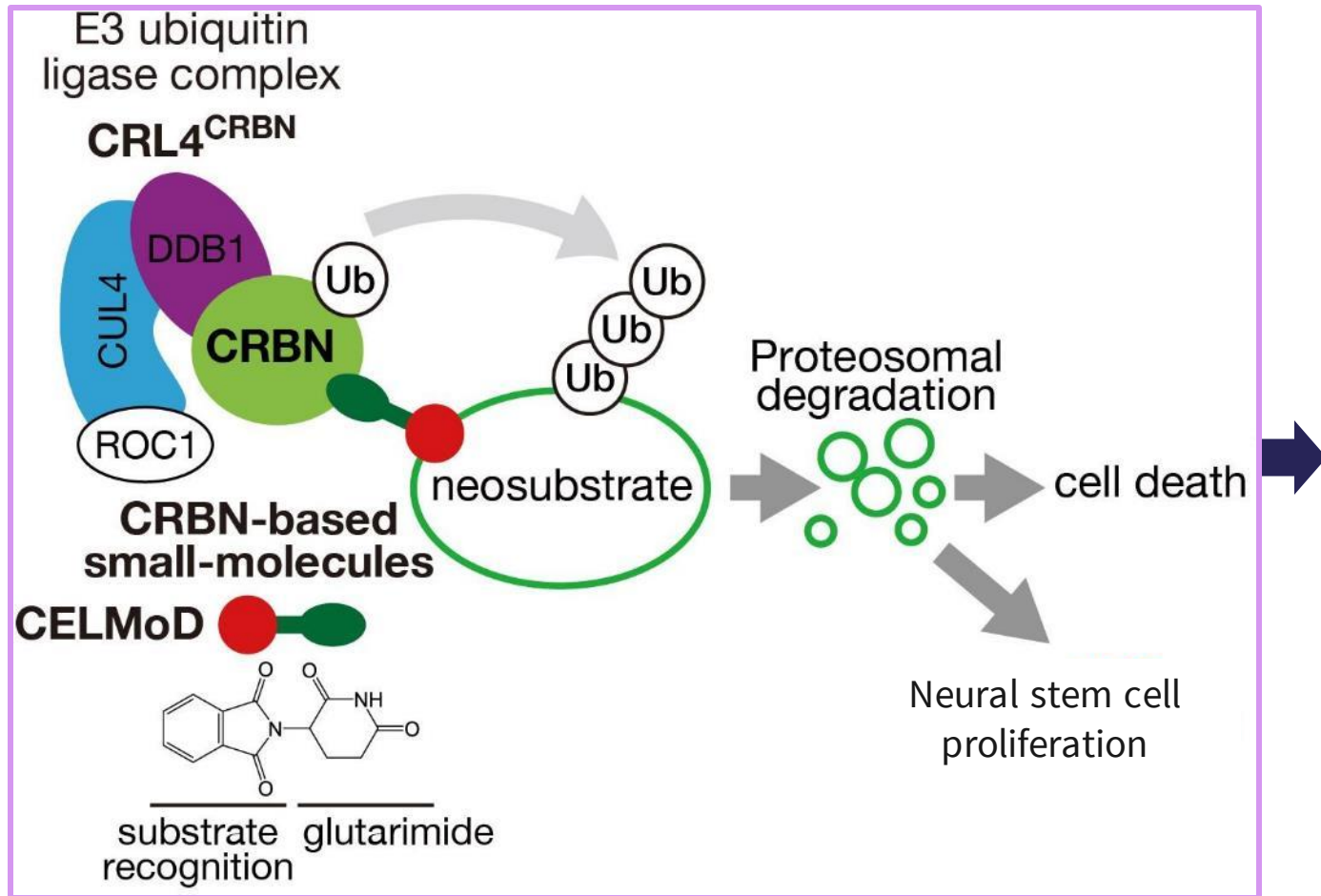


Discussion topic 1: Patient case discussion on treating
with CELMoDs

Paul Richardson / All

Novel, accessible, oral treatment options

CELMoDs[®]: Iberdomide¹ and mezigdomide²



BMSC, bone marrow mesenchymal stem cells; CELMoD, cereblon E3 ligase modulatory drug; CRBN, cereblon; CRL4, cullin 4-RING ubiquitin ligase; CUL4, cullin-RING-based E3 ubiquitin-protein ligase; DDB1, damage-specific DNA-binding protein 1; Dex, dexamethasone; IFN, interferon; IL, interleukin; IMiD, immunomodulatory drug; NCAM, neural cell adhesion molecule; NK, natural killer; ROC1, regulator of cullins 1; TCR, T-cell receptor; TGF, transforming growth factor; Ub, ubiquitin; VCAM, vascular cell adhesion molecule; VEGF, vascular endothelial growth factor.

1. Lonial S, et al. *Lancet Haematol.* 2022;9(11):e822-e832; 2. Richardson PG, et al. *N Engl J Med.* 2023; doi: 10.1056/NEJMoa2303194.

Figures adapted from: (left) Sato T, et al. *Front Cell Dev Biol.* 2021;9:629326; (right) D'Souza C, et al. *Front Immunol.* 2021;12:632399.

Iberdomide + Dex, Dara-Dex, Vd, or Kd in RRMM

CC-220-MM-001: Iberdomide-Dex expansion cohorts¹⁻³

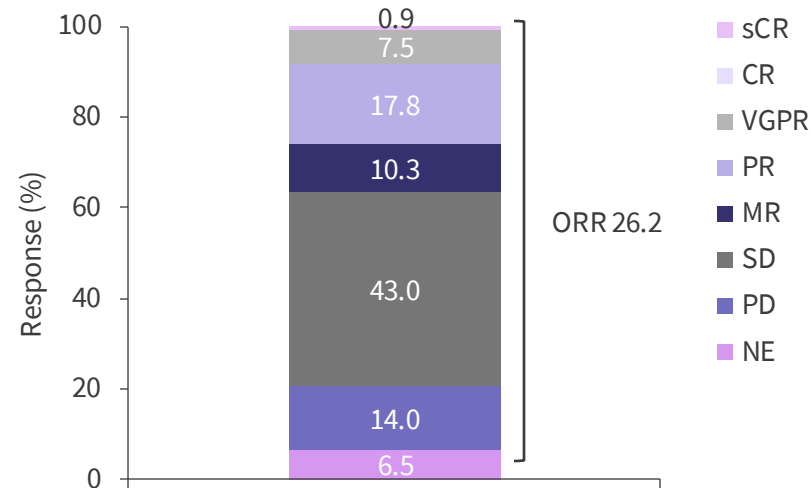
Cohort D (N = 107)^{1,2}

- 29.9% high-risk cytogenetics
- Median 6 prior therapies
- 100% IMiD-refractory
- 97.2% PI-refractory
- 100% anti-CD38 mAb-refractory
- 97.2% triple-class refractory
- Median duration of treatment: 4 cycles

Cohort I (N = 38, BCMA-exposed)³

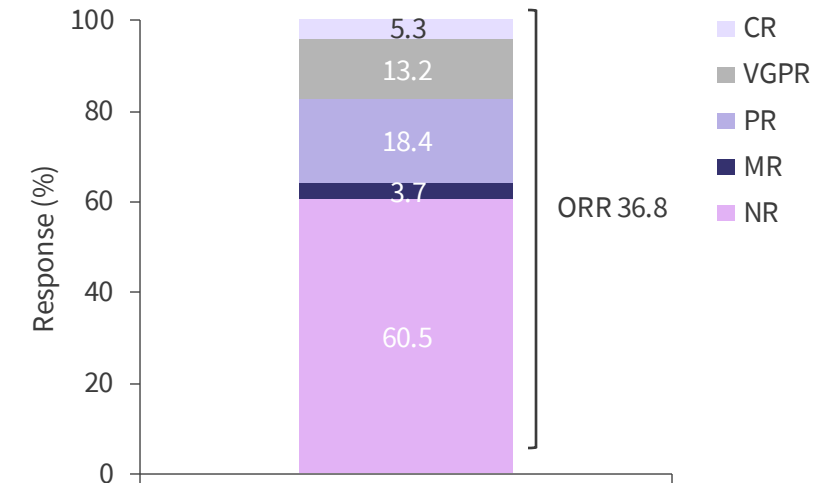
- 31.6% high-risk cytogenetics
- Median 7 prior therapies
- 100% triple-class exposed
- 100% exposed to BCMA-targeted therapy: 36.8% prior CAR T-cell therapy, 34.2% prior ADC, 23.7% prior T-cell engager
- Median duration of treatment: 3.5 cycles

Cohort D, Iberdomide-Dex (N = 107)^{1,2}



- Median DoR 7.0 months
- Median PFS 3.0 months
- Median OS 10.4 months
- Grade 3/4 neutropenia 25.2%/19.6%, anemia 28.0%/0%, thrombocytopenia 6.5%/15.0%, infections 24.3%/2.8% (COVID-19 4.7%/1.9%)

Cohort I, Iberdomide-Dex (N = 38)³



- Median DoR 7.5 months
- Median PFS 2.4 months
- Grade 3/4 AEs in 78/9%, including neutropenia 50.0%, anemia 28.9%, leukopenia 23.7%, thrombocytopenia 21.1%, infections 23.7% (pneumonia 21.1%)
- No patients discontinued iberdomide due to AEs

ADC, Antibody-drug conjugate; AE, adverse event; BCMA, B-cell maturation antigen; CAR, chimeric antigen receptor; Dara, daratumumab; Dex, dexamethasone; DoR, duration of response; IMiD, immunomodulatory drug; Kd, carfilzomib and dexamethasone; mAb, monoclonal antibody; MR, minimal response; NE, not evaluable; NR, no response; ORR, overall response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PI, protease inhibitor; PR, partial response; RRMM, relapsed/refractory multiple myeloma; sCR, stringent complete response; SD, stable disease; Vd, bortezomib and dexamethasone; VGPR, very good partial response.

1. Lonial S, et al. *Blood*. 2021;138(suppl 1):Abstract 162; 2. Lonial S, et al. *Lancet Haematol*. 2022;9(11):e822-e832; 3. Lonial S, et al. *Blood*. 2022;140(suppl 1):Abstract 1918.

Iberdomide + Dex, Dara-Dex, Vd, or Kd in RRMM

CC-220-MM-001: Iberdomide + Dara-dex, Vd, or Kd¹

Iberdomide-Dara-Dex (N = 43)

- 16.3% EMD
- Median 4 prior therapies
- 95.3% IMiD-refractory
- 86.0% PI-refractory
- 37.2% anti-CD38 mAb-refractory
- 32.6% triple-class refractory
- Median duration of treatment: 4 cycles

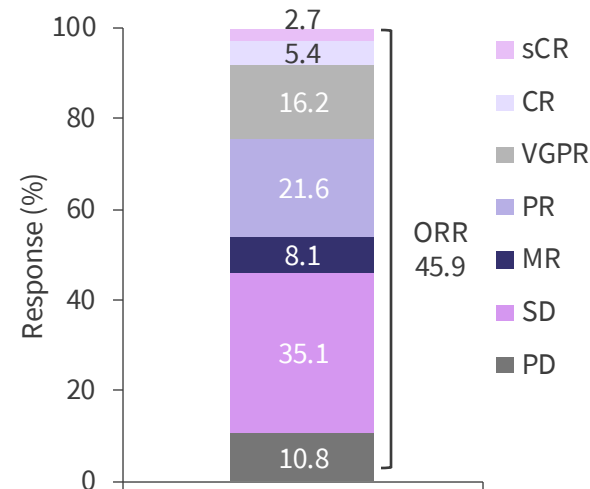
Iberdomide-Vd (N = 25)

- 16.0% EMD
- Median 5 prior therapies
- 80.0% IMiD-refractory
- 68.0% PI-refractory
- 80.0% anti-CD38 mAb-refractory
- 48.0% triple-class refractory
- Median duration of treatment: 6 cycles

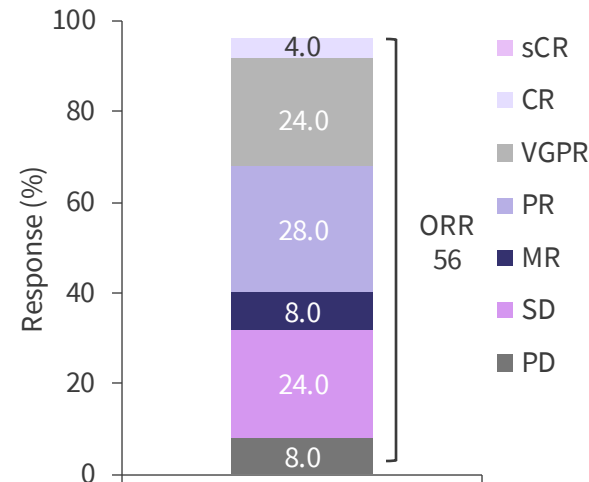
Iberdomide-Kd (N = 9)

- 22.2% EMD
- Median 6 prior therapies
- 88.9% IMiD-refractory
- 66.7% PI-refractory
- 77.8% anti-CD38 mAb-refractory
- 55.6% triple-class refractory
- Median duration of treatment: 5 cycles

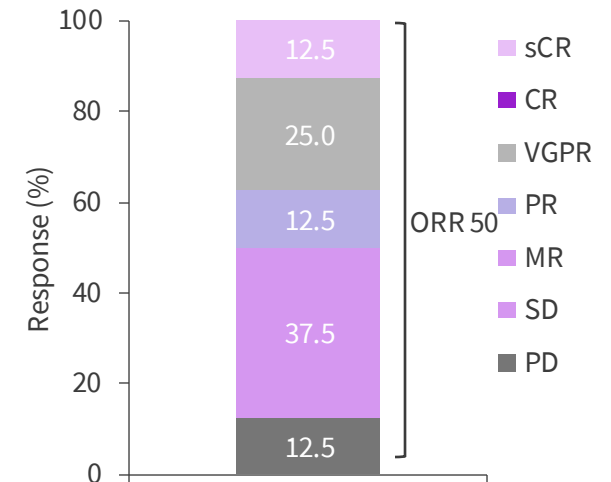
Iberdomide-Dara-Dex (N = 43)



Iberdomide-Vd (N = 25)



Iberdomide-Kd (N = 8)



- Median DoR not reached
- Grade 3/4 hematologic AEs: neutropenia 12.8%/53.8%, anemia 20.5%/0%, thrombocytopenia 7.7%/5.1%
- Grade 3 nonhematologic AEs: fatigue 2.6%, diarrhea 2.6%
- Infections 59.0% (Grade 3/4: 10.3/5.1%)

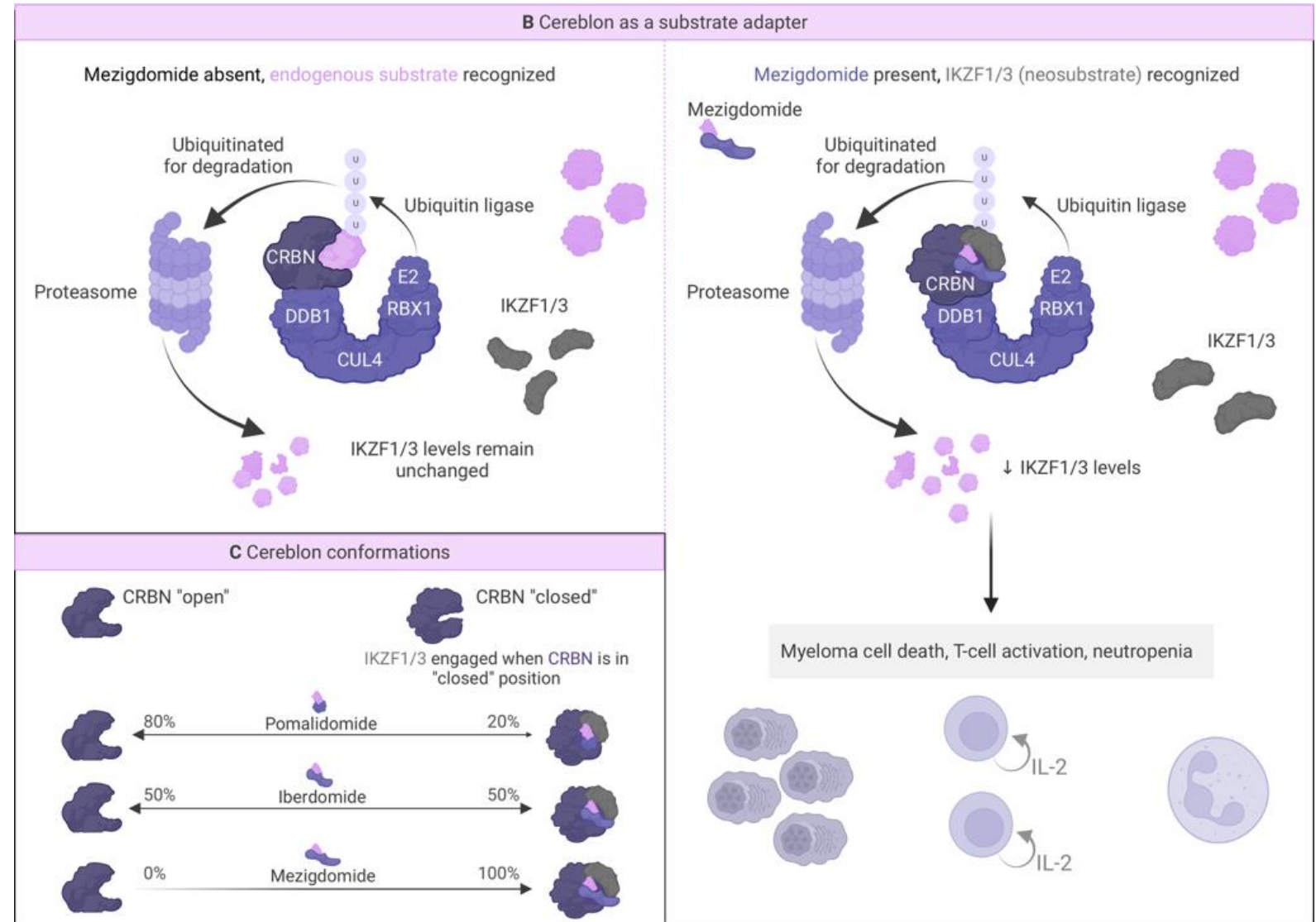
- Median DoR 35.7 weeks
- Grade 3/4 hematologic AEs: neutropenia 20%/8%, anemia 12%/0%, thrombocytopenia 4%/20%
- Grade 3 nonhematologic AEs: diarrhea 4%, rash 4%
- Infections 68% (Grade 3/4: 16/4%)

- Median DoR not reached
- Grade 3/4 hematologic AEs (N = 9): neutropenia 22.2%/11.1%, anemia 0%, thrombocytopenia 0%/11.1%
- Grade 3 non-hematologic AEs: fatigue 11.1%
- Infections 77.8% (Grade 3/4: 22.2/11.1%)

AE, adverse event; Dara, daratumumab; Dex, dexamethasone; DoR, duration of response; EMD, extramedullary disease; IMiD, immunomodulatory drug; Kd, carfilzomib and dexamethasone; mAb, monoclonal antibody; MR, minimal response; NE, not evaluable; NR, no response; ORR, overall response rate; PD, pomalidomide and dexamethasone; PI, protease inhibitor; PR, partial response; RRMM, relapsed/refractory multiple myeloma; sCR, stringent complete response; SD, stable disease; Vd, bortezomib and dexamethasone; VGPR, very good partial response.

1. Lonial S, et al. *HemaSphere*. 2021;5(S2):49-50; Abstract S187.

Mezigdomide (CC-92480) and multiple myeloma



Mezigdomide + Dex in RRMM

First-in-human phase 1 trial: Mezigdomide + Dex

Dose escalation

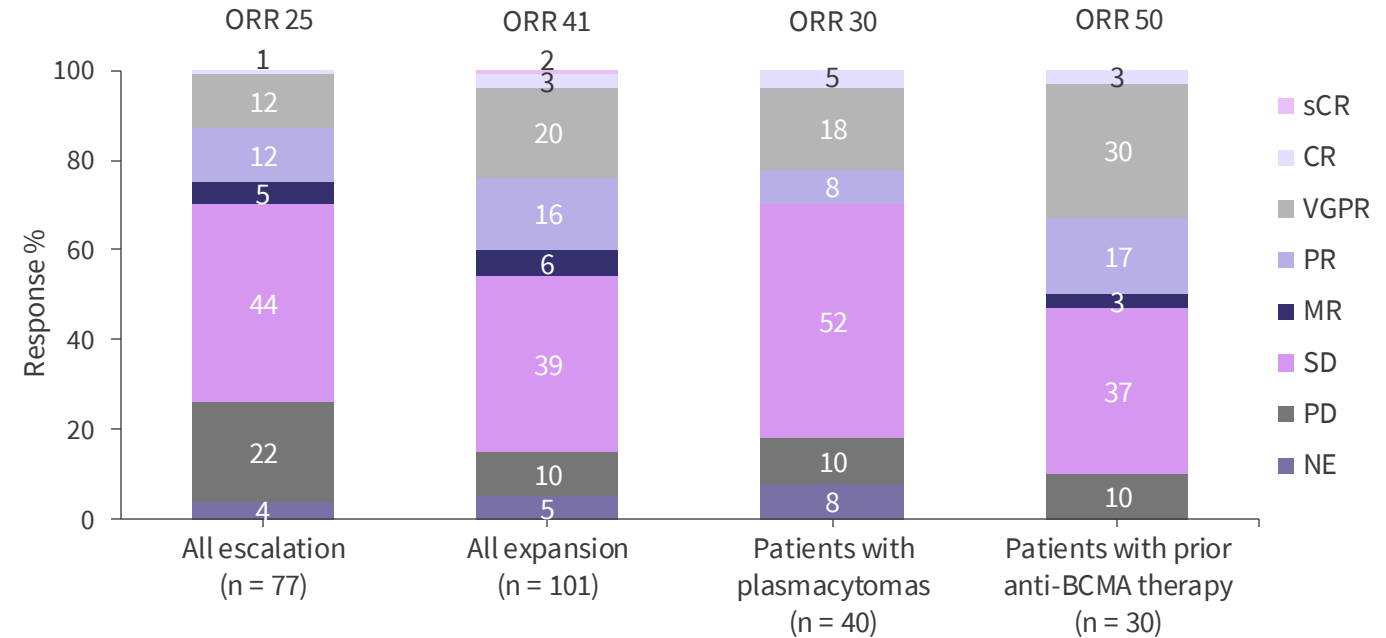
- 77 heavily pretreated RRMM patients
- 30% high-risk cytogenetics, 35% EMD
- Median 6 prior therapies
- 56% triple-class-refractory

Dose expansion at RP2D

- 101 heavily pretreated RRMM patients
- 37% high-risk cytogenetics, 40% EMD
- Median 6 prior therapies
- 100% triple-class-refractory

Efficacy in dose-expansion cohort

- Median DoR 7.6 months
- Median PFS 4.4 months
- In patients with prior anti-BCMA therapy, median DoR 6.9 months and median PFS 5.4 months



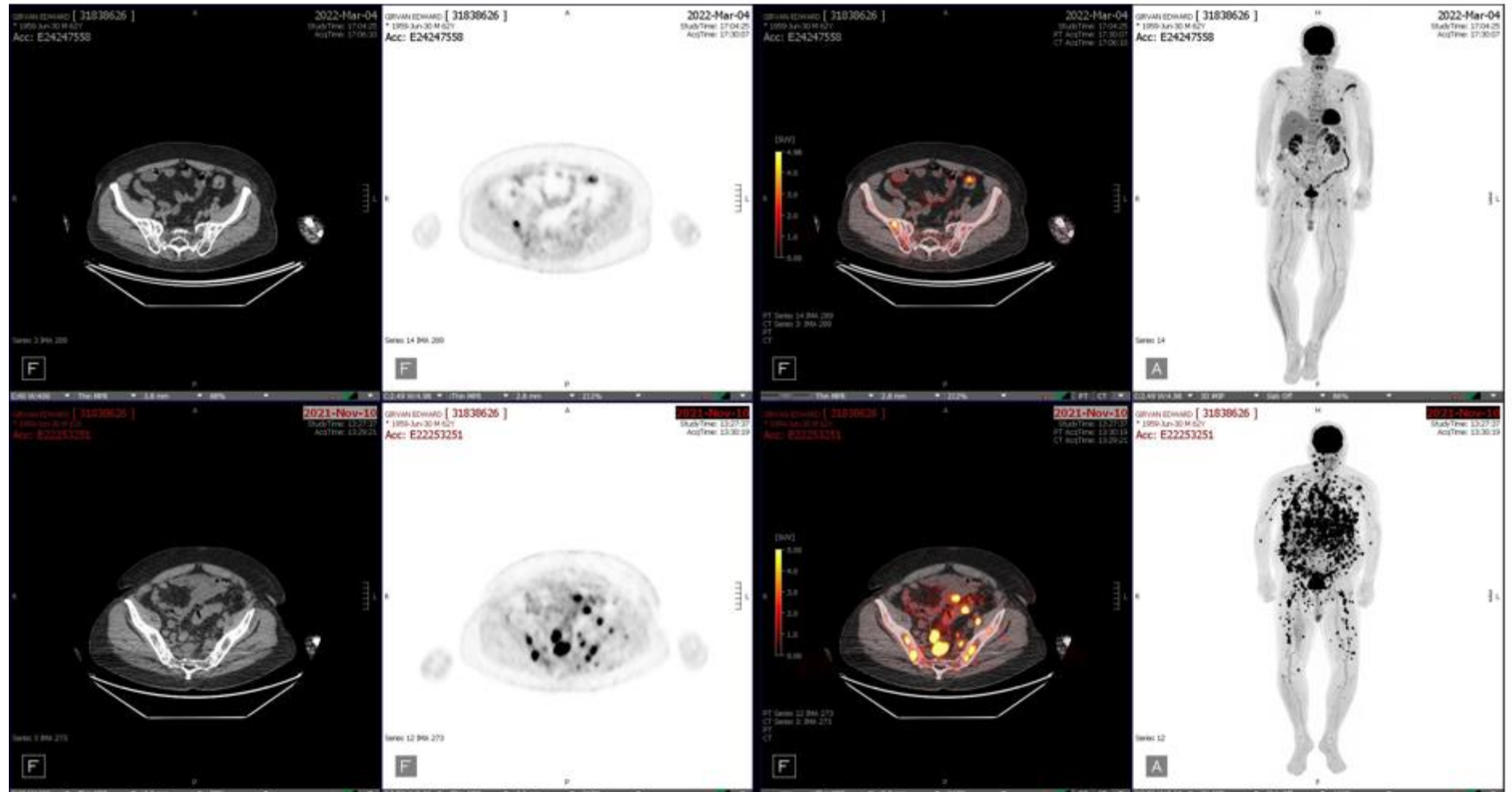
Safety in dose escalation/expansion cohorts

- Grade 3/4 neutropenia 71%/76%, anemia 38%/36%, thrombocytopenia 24%/28%, febrile neutropenia 9%/15%
- Infections 74%/65% (Grade 3/4 40%/35%)
- Treatment discontinuation due to AEs NR/6%

Plasmacytomas/EMD: responses to mezigdomide (CC92480) + Dex in RRMM

After 4 months of
480/Dex

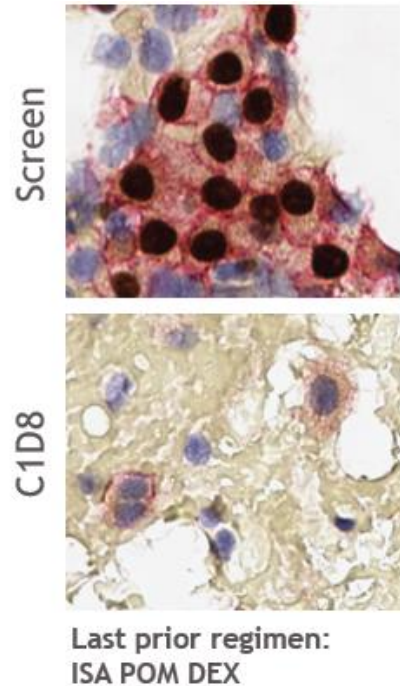
Treatment start at
study entry



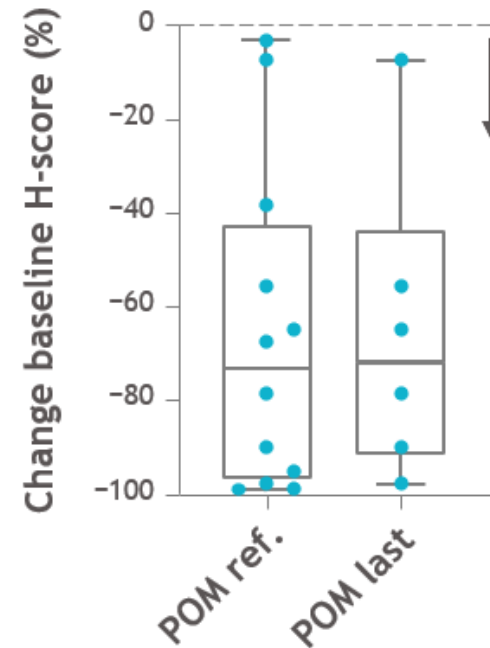
Dex, dexamethasone; EMD, extramedullary disease; RRMM, relapsed/ refractory multiple myeloma.
Richardson PG, et al. Abstract #568. Presented at: 65th ASH Annual Meeting & Exposition; Dec 10-13, 2022; New Orleans, US.

Pharmacodynamics summary: Mezigdomide in RRMM

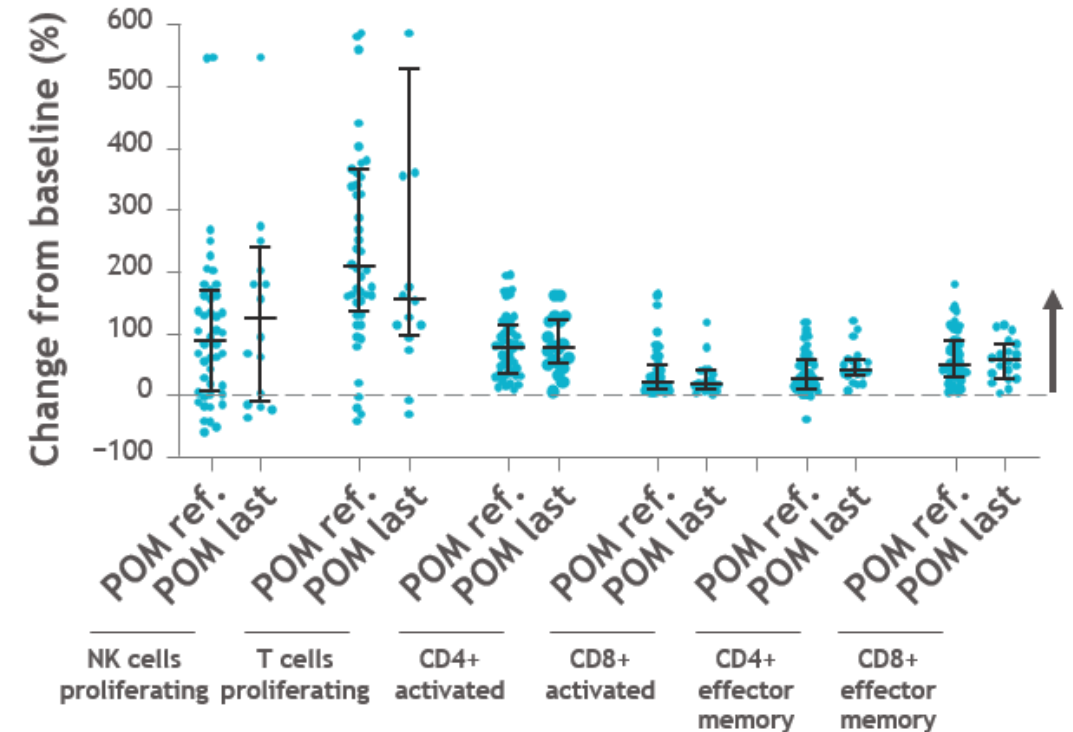
Aiolos IHC



Change in tumor Aiolos by prior POM status



Change in PB immunophenotyping by prior POM status



Mezigdomide is pharmacodynamically active in patients who were refractory to POM or had received POM in the last regimen

Mezigdomide + Vd or Kd in RRMM

CC-92480-MM-002 Phase I/II study: Mezigdomide + Vd / Kd¹

Mezigdomide + Vd (N = 28)

- 39.3% high-risk cytogenetics
- Median 3 prior therapies
- 85.7% R-refractory
- 50.0% PI-refractory
- 50.0% anti-CD38 mAb-refractory
- Median duration of treatment: 9 cycles

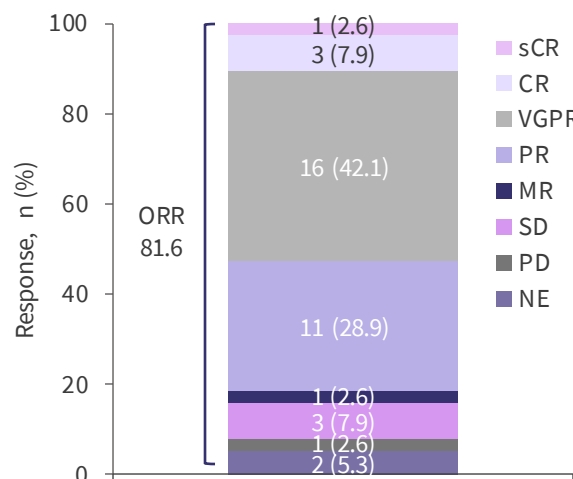
Mezigdomide + Vd 1.0 mg (N = 38)

- 34.2% high-risk cytogenetics
- Median 1 prior therapy
- 65.8% R-refractory
- 18.4% PI-refractory
- 36.8% anti-CD38 mAb-refractory
- Median duration of treatment: 8 cycles

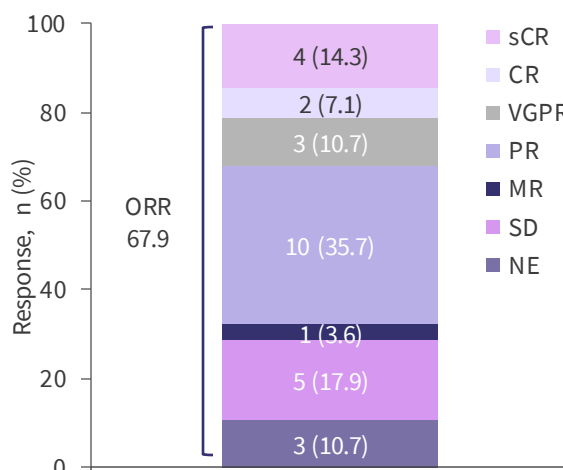
Mezigdomide + Kd (N = 26)

- 53.8% high-risk cytogenetics
- Median 2 prior therapies
- 80.8% R-refractory
- 50.0% PI-refractory
- 73.1% anti-CD38 mAb-refractory
- Median duration of treatment: 5 cycles

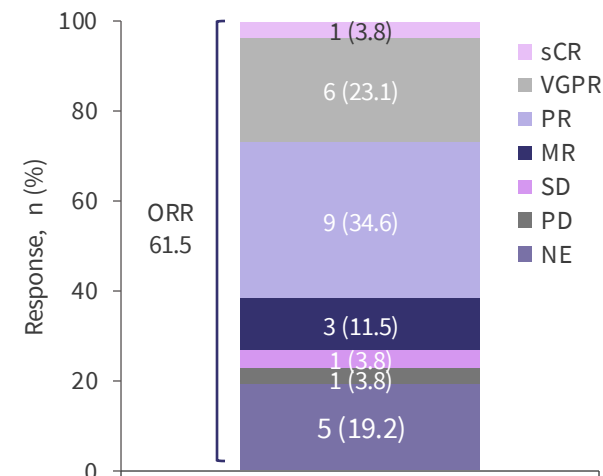
Mezigdomide + Vd 1.0 mg (N = 38)



Mezigdomide + Vd 1.0 mg (N = 38)



Mezigdomide + Kd (N = 26)



- Median DoR 14.5 months
- Grade 3/4 neutropenia 32.1%
- Grade 3/4 thrombocytopenia 21.4%
- Grade 3 anemia 14.3%
- Grade 3 diarrhea, insomnia 10.7%
- Infections 53.6%

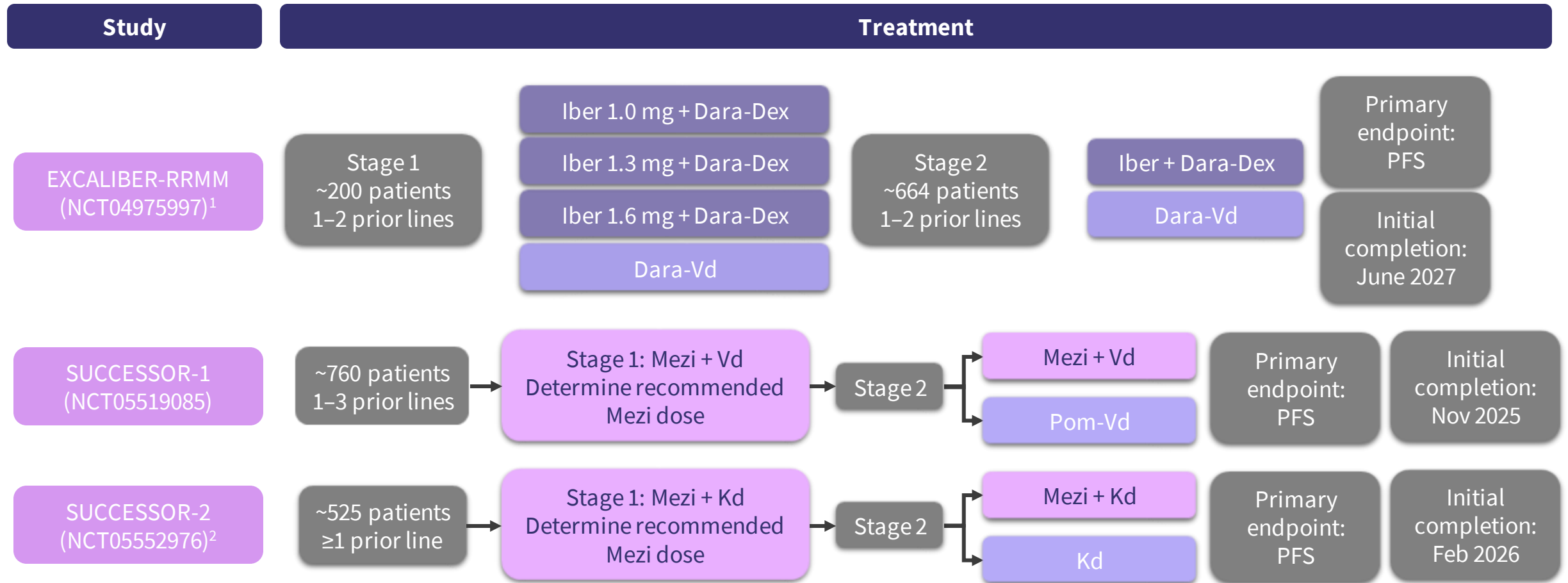
- Median DoR not reached
- Grade 3/4 neutropenia 52.6%
- Grade 3/4 thrombocytopenia 26.3%
- Grade 3 anemia 7.9%
- Grade 3 diarrhea 10.5%
- Infections 65.8%

- Median DoR 11.9 months
- Grade 3/4 neutropenia 34.6%
- Grade 3/4 thrombocytopenia 11.5%
- Grade 3 anemia 7.7%
- Grade 3 diarrhea 7.7%
- Infections 42.3%

DoR, duration of response; Kd, carfilzomib and dexamethasone; mAb, monoclonal antibody; MR, minimal response; NE, not evaluable; NR, no response; ORR, overall response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PI, protease inhibitor; PR, partial response; RRMM, relapsed/ refractory multiple myeloma; sCR, stringent complete response; SD, stable disease; Vd, bortezomib and dexamethasone; VGPR, very good partial response.

1. Richardson PG, et al. Abstract #OAB-053. Presented at: 19th International Myeloma Society (IMS) Annual Meeting. Aug 27, 2022; Los Angeles, US.

Phase 3 studies of CELMoDs in RRMM



CELMoD, cereblon E3 ligase modulatory drug; Dara, daratumumab; Dex, dexamethasone; Kd, carfilzomib and dexamethasone; iber, iberdomide; Mezi, mezigdomide; PFS, progression-free survival; Pom, pomalidomide; RRMM, relapsed/refractory multiple myeloma; Vd, bortezomib and dexamethasone.

1. Lonial S, et al. *J Clin Oncol*. 2023;41(16_suppl):Abstract TPS8069; 2. Richardson PG, et al. *J Clin Oncol*. 2023;41(16_suppl):Abstract TPS8070.