



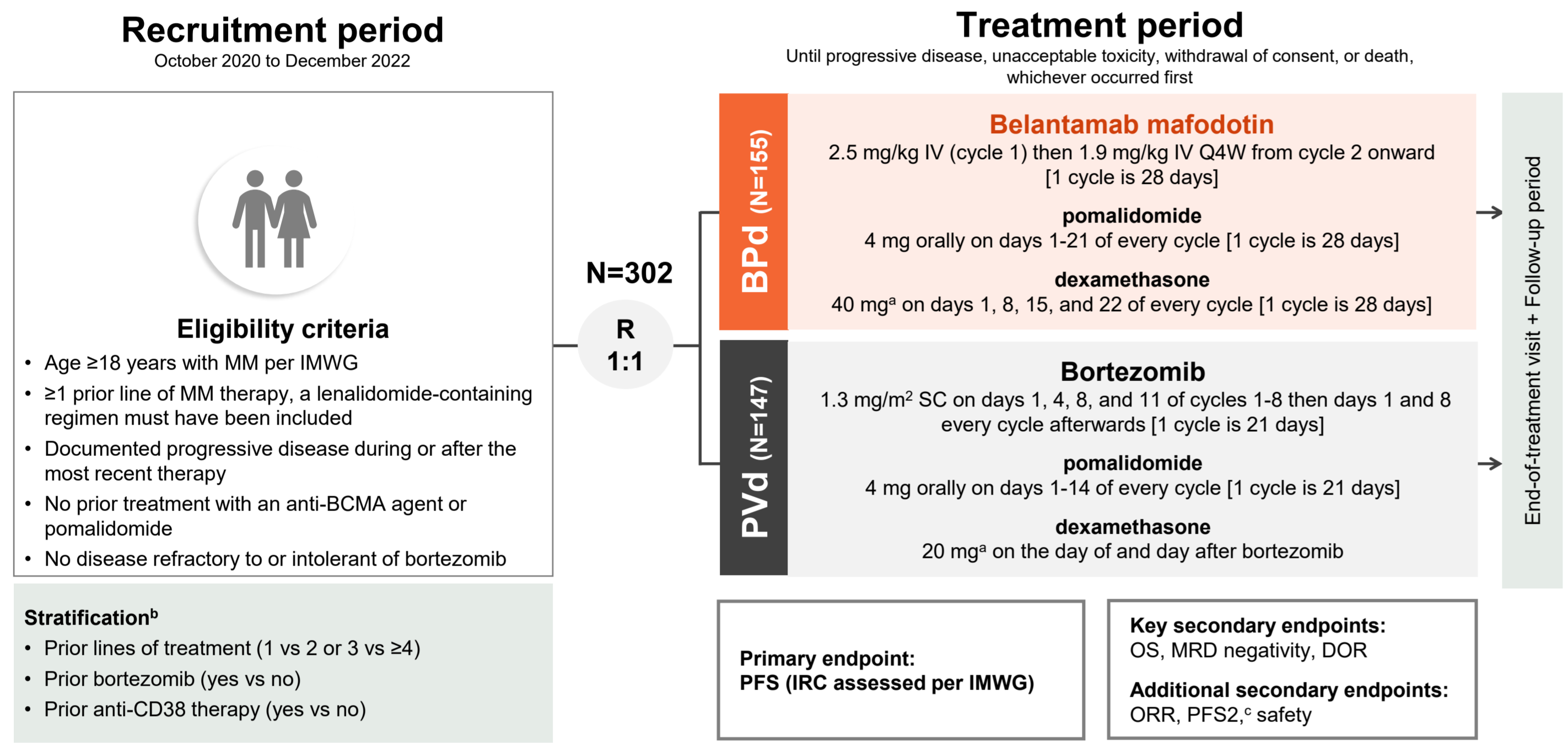
# The 12th World Congress on CONTROVERSIES IN MULTIPLE MYELOMA (COMy)

## Background

- Targeting B-cell maturation antigen (BCMA) has transformed survival outcomes for patients with relapsed/refractory multiple myeloma (RRMM)<sup>1,2</sup>
- Belantamab mafodotin, an antibody-drug conjugate representing a unique BCMA-targeting modality, was recently approved in combination with pomalidomide and dexamethasone (BPd) as part of a triplet therapy for RRMM<sup>3</sup>
- At the primary analysis of DREAMM-8 (median follow-up, 21.8 months; data cutoff: January 29, 2024), BPd demonstrated significant improvement in progression-free survival (PFS) vs standard-of-care pomalidomide, bortezomib, and dexamethasone (PVd) in patients with RRMM who had ≥1 prior line of therapy (LOT) (hazard ratio [HR], 0.52; 95% CI 0.37-0.73; *P*<0.001)<sup>4</sup>
- To further characterize the durability of BPd treatment benefit in RRMM, we report longer follow-up of efficacy and safety outcomes from the DREAMM-8 trial (median follow-up, 35.8 months; data cutoff: July 7, 2025)

## Methods

DREAMM-8 is a phase 3, open-label, randomized trial of BPd vs PVd in patients with RRMM treated with ≥1 prior line of therapy, including lenalidomide



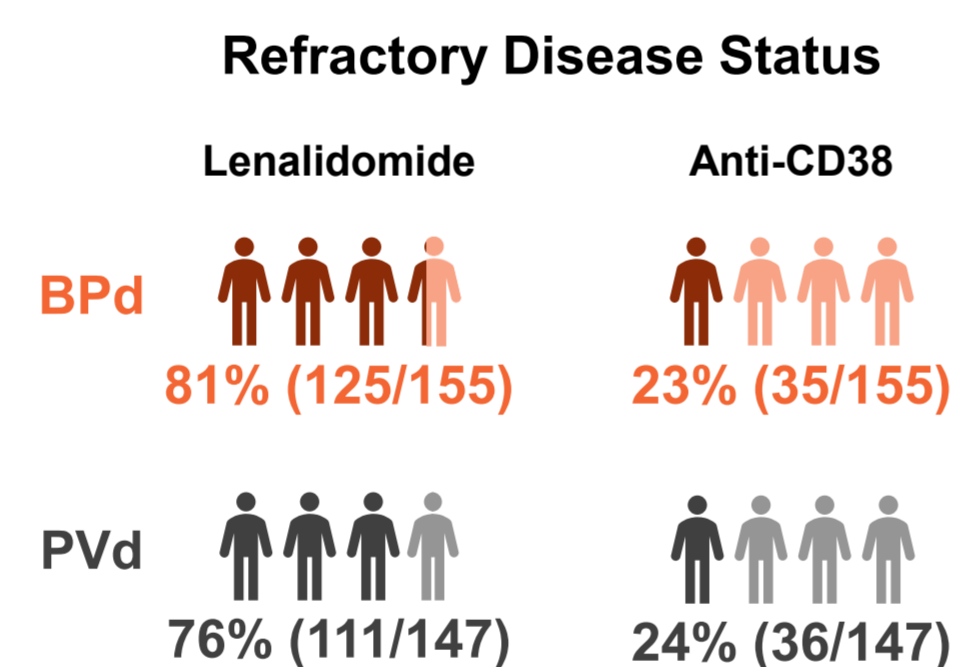
<sup>a</sup> Patients aged >75 years with comorbidities or intolerance of the 40-mg dose in arm A or 20-mg dose in arm B could have dose level reduced to half per investigator discretion. <sup>b</sup> Some patients were stratified by ISS stage (I vs II/III); the protocol was amended on April 20, 2021, to replace this randomization factor with prior anti-CD38 treatment (yes vs no). <sup>c</sup> PFS2 was defined as time from randomization to disease progression after initiation of new antineoplastic therapy or death from any cause, whichever is earlier.

- Efficacy assessments occurred every 4 weeks in the intention-to-treat (ITT) population
- Patients achieving a confirmed ≥ VGPR per IMWG criteria and IRC assessment were tested for MRD negativity using NGS with a sensitivity of 10<sup>-5</sup>
- Descriptive statistics were used to summarize the updated results
  - HRs were estimated using the Cox model, stratified by number of lines of prior therapy (1 vs 2 or 3 vs ≥4) and prior bortezomib use (yes or no)
  - 95% CIs were calculated based on the Brookmeyer-Crowley method

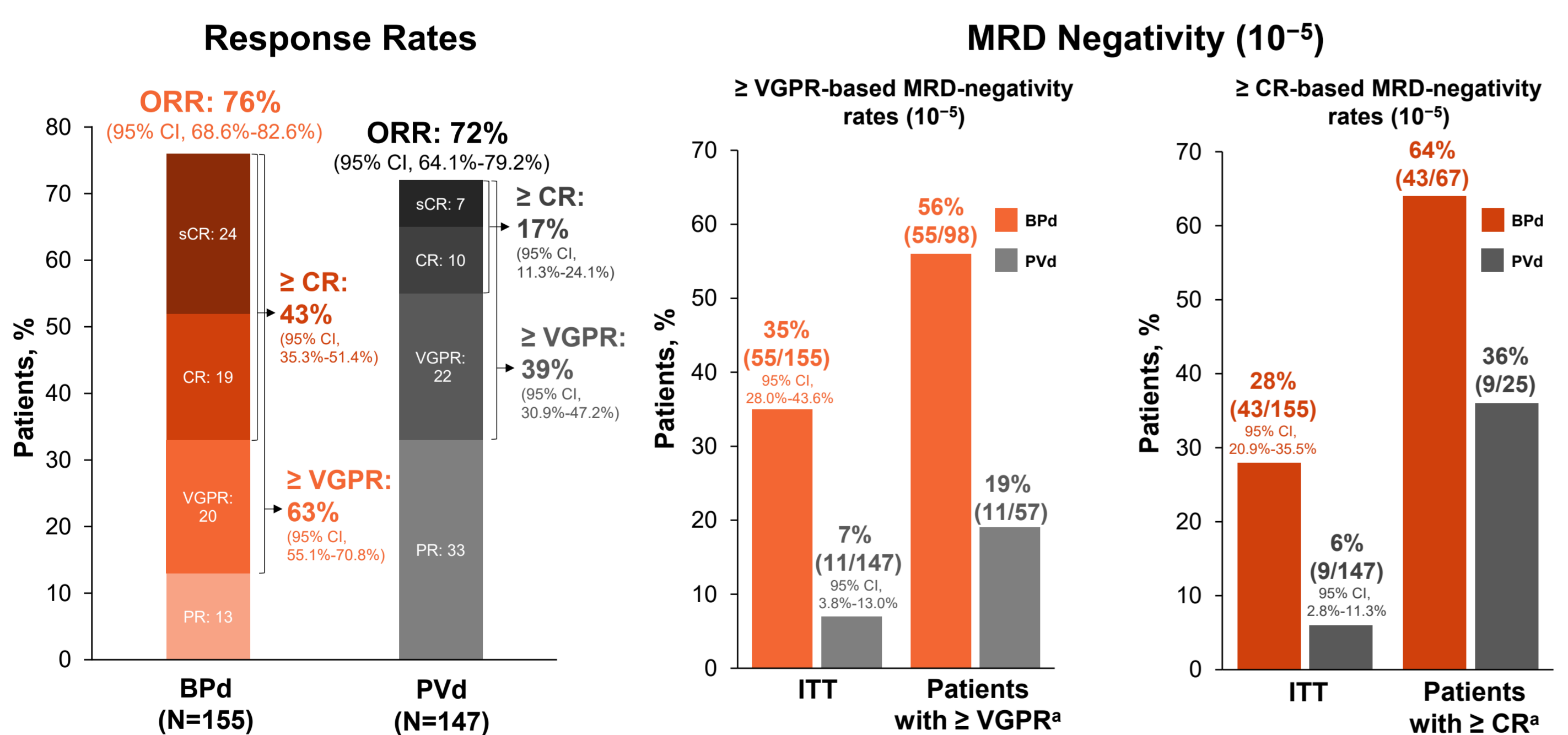
## Results

Most patients had lenalidomide-refractory disease, and a quarter had disease refractory to anti-CD38 monoclonal antibodies<sup>4</sup>

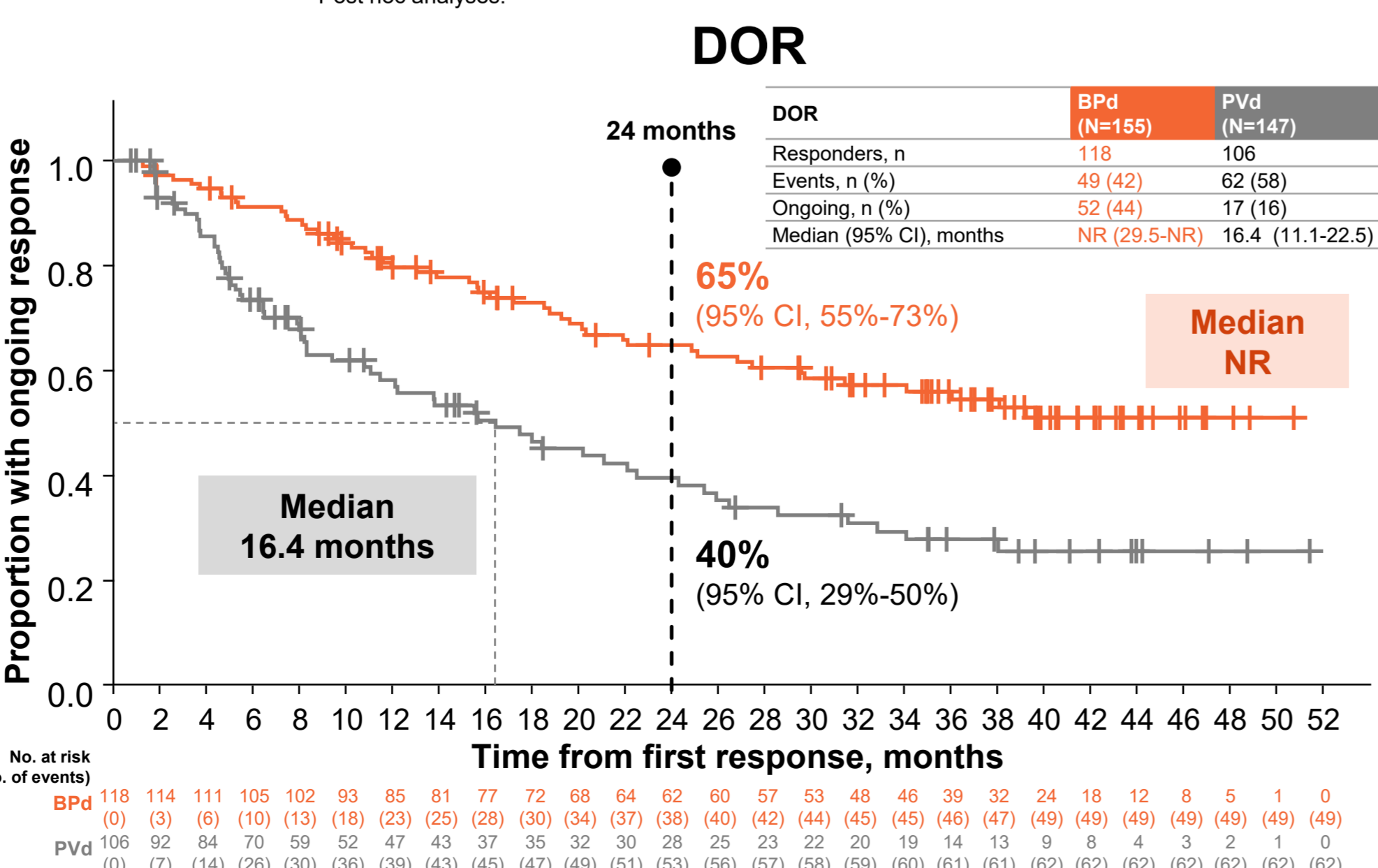
- Overall, 159 patients (53%) had received 1 prior line of therapy, 102 (34%) had received 2 or 3, and 41 (14%) had received ≥4
- All patients had previously received lenalidomide; 25% (38/155) in the BPd arm had previously received anti-CD38 antibodies vs 29% (42/147) in the PVd arm
- Approximately one-quarter of patients in each arm were triple-class exposed: 22% (34/155) in the BPd arm and 27% (39/147) in the PVd arm



Treatment with BPd led to higher rates of deep and durable responses compared with PVd



<sup>a</sup> Post hoc analyses. In patients who were ≥ CR-based MRD negative, 56% (24/43) in the BPd arm and 44% (4/9) in the PVd arm had sustained MRD negativity for ≥12 months



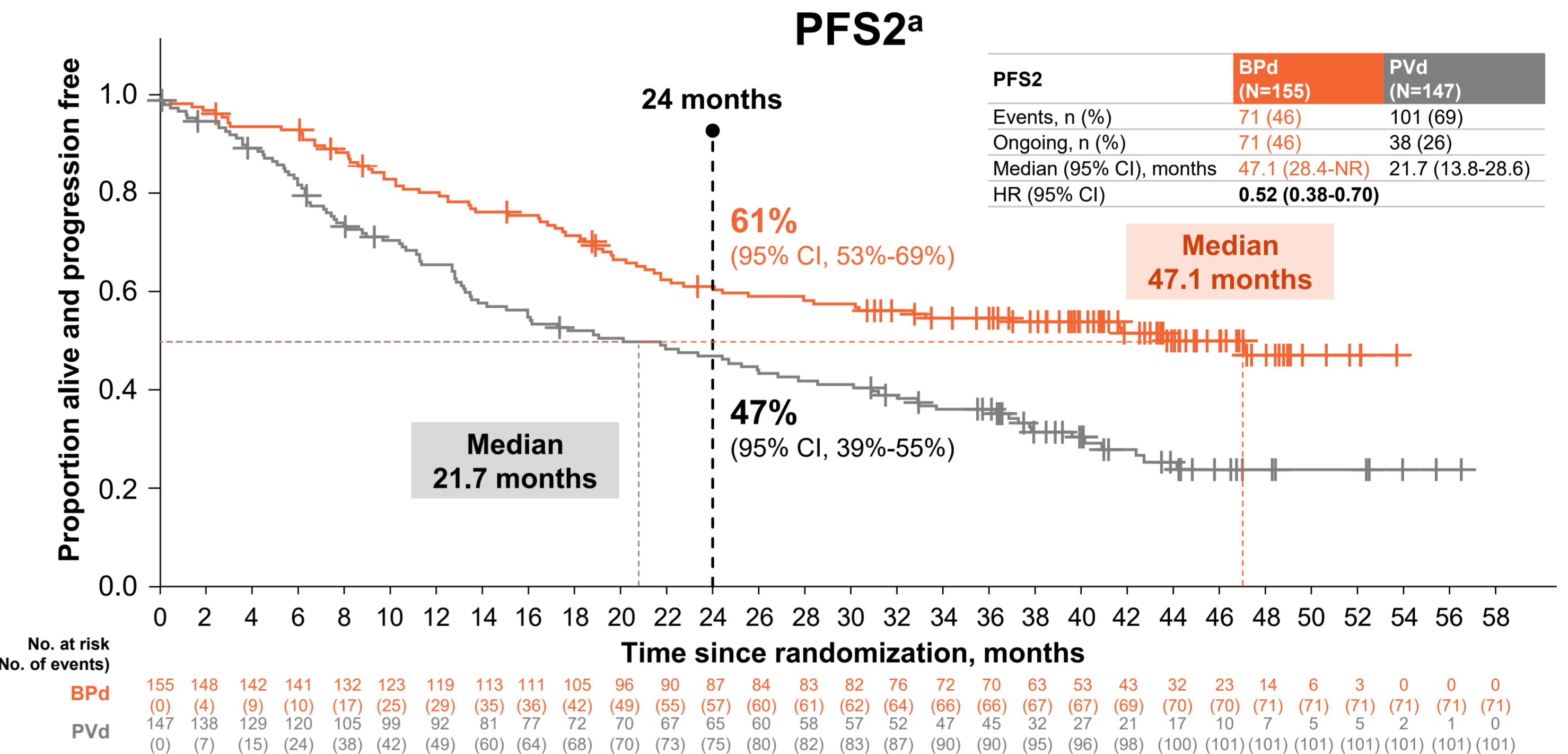
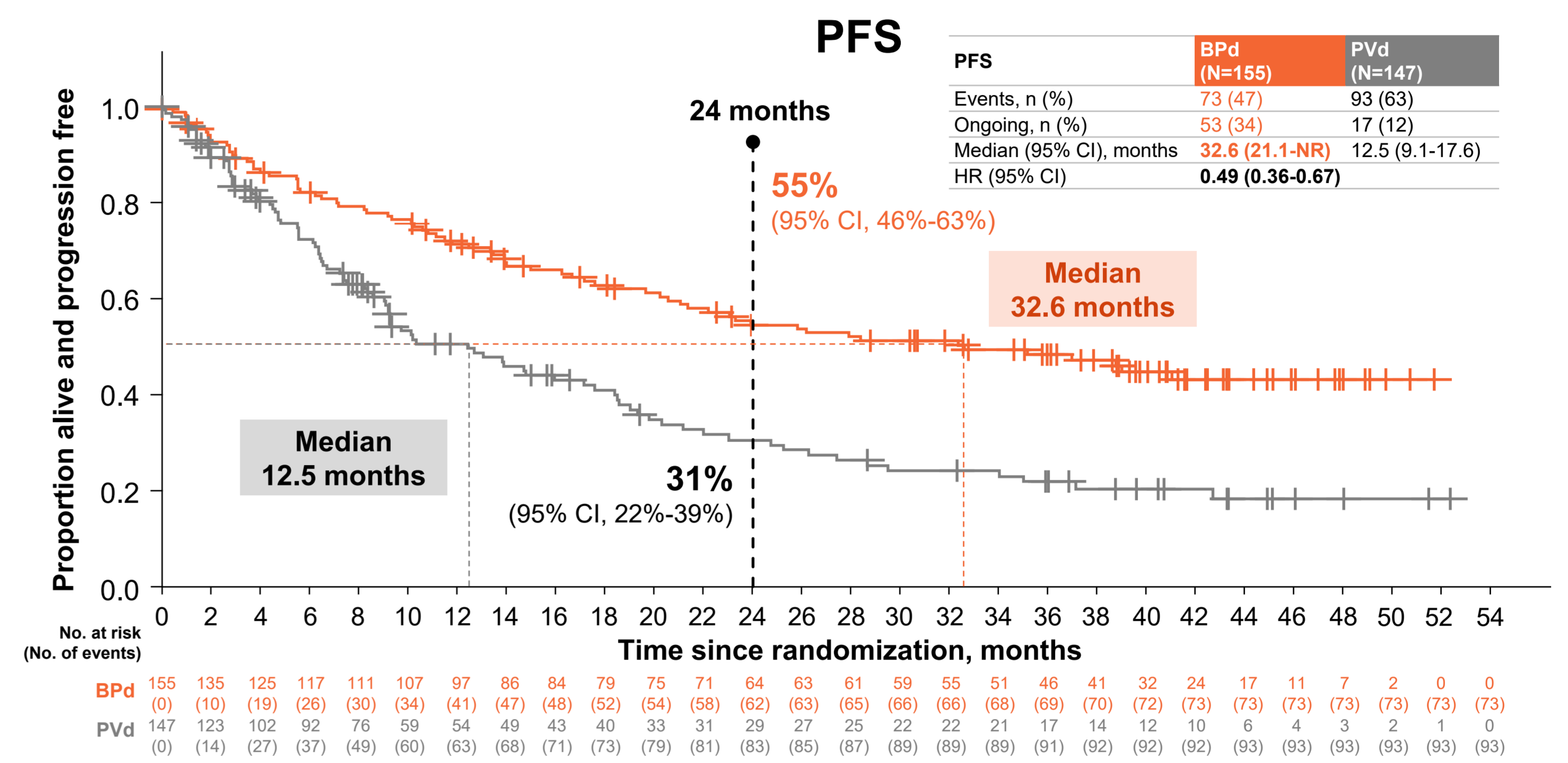
<sup>a</sup> Post hoc analyses.

# Efficacy and durability of response of belantamab mafodotin plus pomalidomide and dexamethasone treatment in patients with relapsed/refractory multiple myeloma: long-term follow-up of the phase 3 DREAMM-8 study

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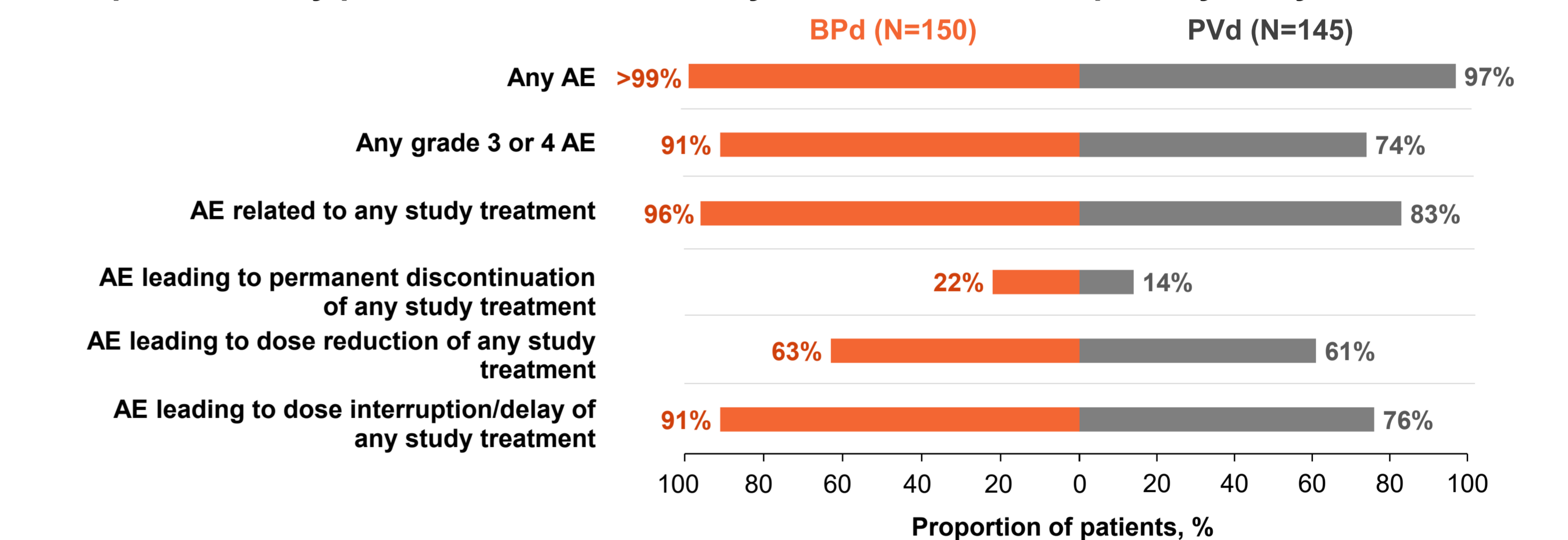
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Deep and durable responses with BPd were associated with substantial PFS benefit that was maintained following subsequent antimyeloma therapy



<sup>a</sup> PFS2 is defined as the time from randomization to disease progression after initiation of new antineoplastic therapy or death from any cause, whichever is earlier. If disease progression after new antineoplastic therapy cannot be measured, a PFS2 event is defined as the date of discontinuation of new antineoplastic therapy or death from any cause, whichever is earlier.

The updated safety profile of BPd was broadly consistent with the primary analysis



## Conclusions

- BPd led to a 5-fold increase in MRD negativity and sustained MRD negativity vs PVd in patients with RRMM, most of whom had lenalidomide-refractory disease and a quarter of whom had disease refractory to anti-CD38 monoclonal antibodies
- BPd was associated with an approximately 3-fold greater median PFS vs PVd (increase of >20 months), with greater than double the benefit following subsequent antimyeloma therapy (median PFS2); follow-up for OS is ongoing
- Longer follow-up from the DREAMM-8 trial demonstrated that BPd maintained superiority over PVd across all efficacy endpoints, including PFS, MRD negativity, sustained MRD negativity, and DOR. Importantly, benefit was maintained following subsequent antimyeloma therapy
- Collectively, these findings support BPd as an accessible, outpatient anti-BCMA agent for treatment of MM at first relapse across all sites of care

## Abbreviations

AE, adverse event; BCMA, B-cell maturation antigen; BPd, belantamab mafodotin, pomalidomide, and dexamethasone; CD, cluster of differentiation; CR, complete response; CRR, complete response rate; DOR, duration of response; HR, hazard ratio; HROQL, health-related quality of life; IMWG, International Myeloma Working Group; IRC, independent review committee; ISS, International Staging System; ITT, intention to treat; IV, intravenous; MM, multiple myeloma; MRD, minimal residual disease; NGS, next-generation sequencing; NR, not reached; ORR, overall response rate; OS, overall survival; PFS, progression-free survival; PR, partial response; PRO, patient-reported outcome; PVd, pomalidomide, bortezomib, and dexamethasone; Q3W, every 3 weeks; Q4W, every 4 weeks; R, randomization; RRMM, relapsed/refractory multiple myeloma; SC, subcutaneous; sCR, stringent complete response; TDBR, time to best response; TTP, time to progression; TTR, time to response; VGPR, very good partial response.

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## Acknowledgments

The DREAMM-8 trial (NCT04484623) was sponsored by GSK (study ID: 207499). We thank the patients who volunteered to participate in the trials, along with their families and caregivers, and the physicians and nurses who cared for the patients and supported these clinical trials. Drug-linker technology was licensed from Seagen Inc; monoclonal antibody was produced using POTELLIGENT technology, licensed from BioWa. Medical writing and editorial assistance was provided by Christina Kim, PharmD (Nucleus Global), an Inizio company, and funded by GSK. Presenting author: Suzanne Trudel, [Suzanne.Trudel@uhh.de](mailto:Suzanne.Trudel@uhh.de)

## Disclosures

ST reports honoraria from Amgen, FORLIS, GSK, Janssen, Pfizer, and Sanofi; a consulting role for GSK, Takeda, Amgen, Janssen, and Menarini. SD reports honoraria from Amgen, GSK, Janssen, and Takeda. VV reports honoraria from AbbVie, Amgen, AstraZeneca, Beigene, Gilead Sciences, Janssen, Novartis, Roche, Sanofi, Takeda, a consulting role for AbbVie, AstraZeneca, Beigene, Gilead Sciences, Janssen Oncology, Novartis, Roche, Sanofi, Takeda, speakers bureau membership for AbbVie, Amgen, AstraZeneca, Beigene, BiCCA, D, BMS, Janssen, MSD, Novartis, Roche, Sanofi, Takeda, and support for meeting attendance and/or travel from AstraZeneca. HQ reports research support from GSK, BMS, AbbVie, Amgen, and Karolinska; honoraria from BMS, Johnson & Johnson, GSK, and AbbVie; expert testimony for Pfizer; and a consulting role for BMS, Johnson & Johnson, GSK, Regeneron, and Pfizer. IS reports consulting fees from Amgen, Janssen-Cilag, Takeda, Sanofi, and GSK; honoraria from Amgen, Janssen-Cilag, Takeda, BMS, and Sanofi; support for meeting attendance and/or travel from Janssen-Cilag, BMS, and Sanofi; and participation on data safety monitoring or advisory boards with Janssen-Cilag, Takeda, Sanofi, and GSK. JR reports consulting fees from GSK, Johnson & Johnson, and Sanofi; honoraria from Johnson & Johnson, Pfizer, BMS, Sanofi, and GSK; support for meeting attendance and/or travel from Johnson & Johnson and Sanofi; and participation on data safety monitoring or advisory boards with GSK, Johnson & Johnson, Sanofi, BMS, and Pfizer. KK reports research support from Sanofi, Johnson & Johnson, and BMS and consulting fees from Johnson & Johnson, BMS, AbbVie, and GSK. KS reports honoraria from Janssen Pharmaceutical K.K., Sanofi, and BMS. LP, PR, MC, SZ report no disclosures. AM, MD, KM, AP, J, MP, JG, IG, C, EEM, BK, and JO report employment and stock or stock options from GSK. M-VM reports honoraria from Janssen, BMS, GSK, Sanofi, AbbVie, Kite, Stemline, and Pfizer. KK reports research support from Amgen, Sanofi, Regeneron, Menarini, Takeda, GSK, BMS, Janssen, BeiGene, Swkx, and AstraZeneca. All authors acknowledge medical writing support related to this poster, funded by GSK.

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