

Impact of dose modifications on efficacy outcomes with belantamab mafodotin in relapsed/refractory multiple myeloma: insights from the DREAMM-7 third-line or later proteasome inhibitor/immunomodulatory agent–exposed subgroup

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Background

- Targeting BCMA has transformed the RRMM treatment landscape, with unprecedented improvement in OS outcomes vs SOC triplet regimens¹⁻⁴
- Belamaf is a BCMA-targeting ADC with direct and indirect immunologic antitumor activity that avoids T-cell dysfunction and can be delivered in an outpatient setting^{5,6}
- In DREAMM-7, BVd significantly improved PFS and OS in a head-to-head comparison vs DVd in patients with RRMM after ≥1 prior LOT^{2,7}
- Ocular events were common but transient with belamaf and were addressed through protocol-defined dose modifications until improvement and co-management with an eye care professional^{6,8}
- In patients treated with BVd and normal baseline vision,^a dose modifications used to manage AEs, including ocular events, extended belamaf dosing intervals to a median of 8 weeks by 9 months⁶
- Here, we characterize the impact of extended belamaf dosing intervals on efficacy in a DREAMM-7 patient subgroup with ≥2 prior LOTs, including a proteasome inhibitor and immunomodulatory agent (3L+ subgroup)

^a Normal baseline vision in Mateos et al. was 20/25 or better in ≥1 eye.

Conclusions

In the 3L+ subgroup, median PFS and OS favored BVd over DVd, with HRs (95%CI)s of 0.31 (0.21-0.47) and 0.49 (0.32-0.76), respectively

Dose modifications reduced belamaf RDI and extended dosing intervals, with a median RDI of 36% and a median dosing interval of 7.5 weeks at >12 to ≤24 months of belamaf treatment

Among patients in the 3L+ subgroup with extended belamaf dose intervals of >9 weeks, 90% had maintained or deepened responses during the first extended belamaf dosing interval

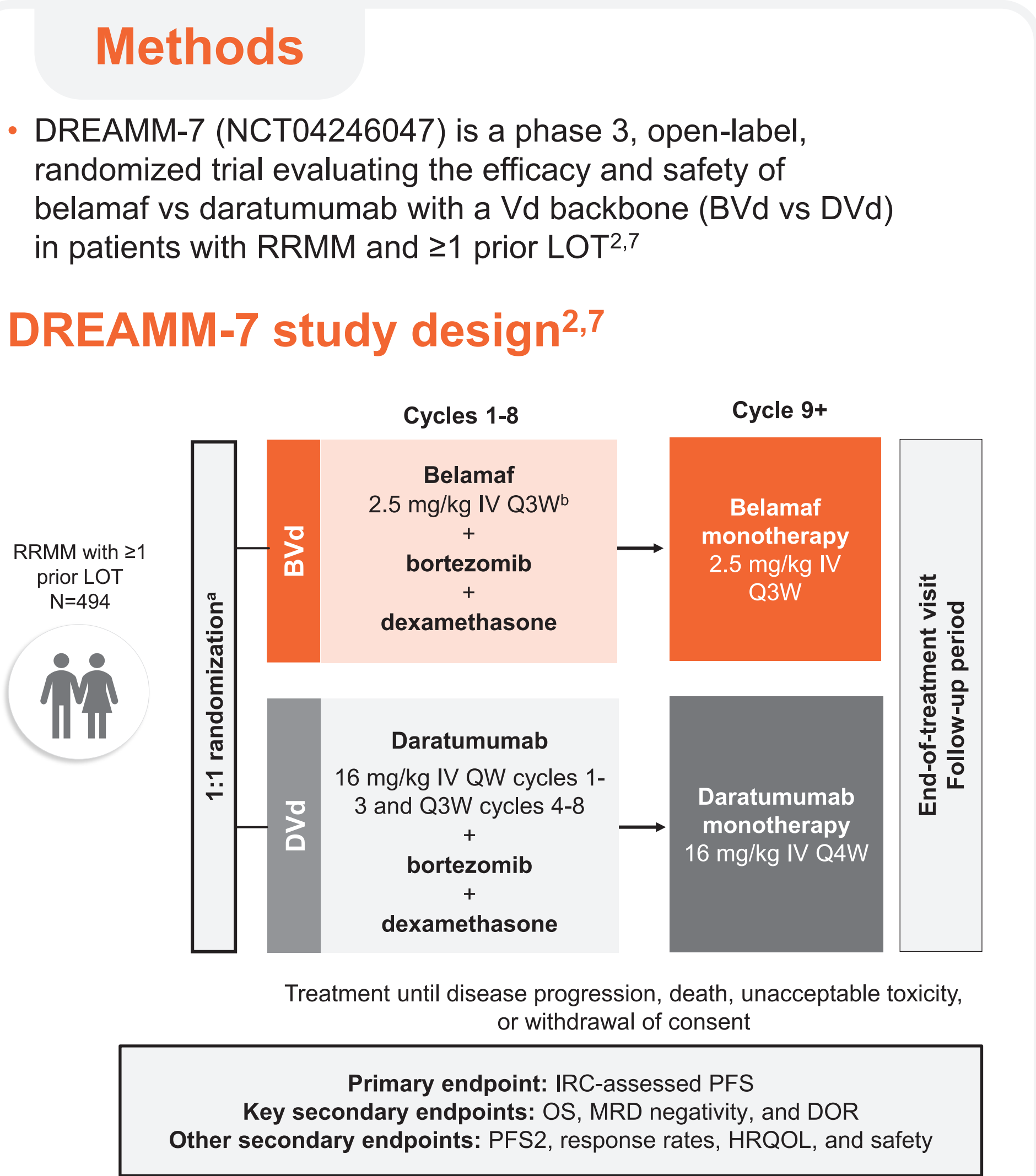
In patients in the 3L+ subgroup with ≥1 extended belamaf dosing interval of >9 weeks, median PFS was not reached, and 12- and 18-month PFS estimates were 94% and 83%, respectively

Consistent with the overall DREAMM-7 population, BVd demonstrated efficacy benefits in the 3L+ subgroup that were maintained following dose modifications resulting in extended belamaf dosing intervals

Consistent with the overall DREAMM-7 population, efficacy was maintained in the 3L+ subgroup following belamaf dose modifications that reduced relative dose intensity and extended dosing intervals

Digital poster
SCAN ME

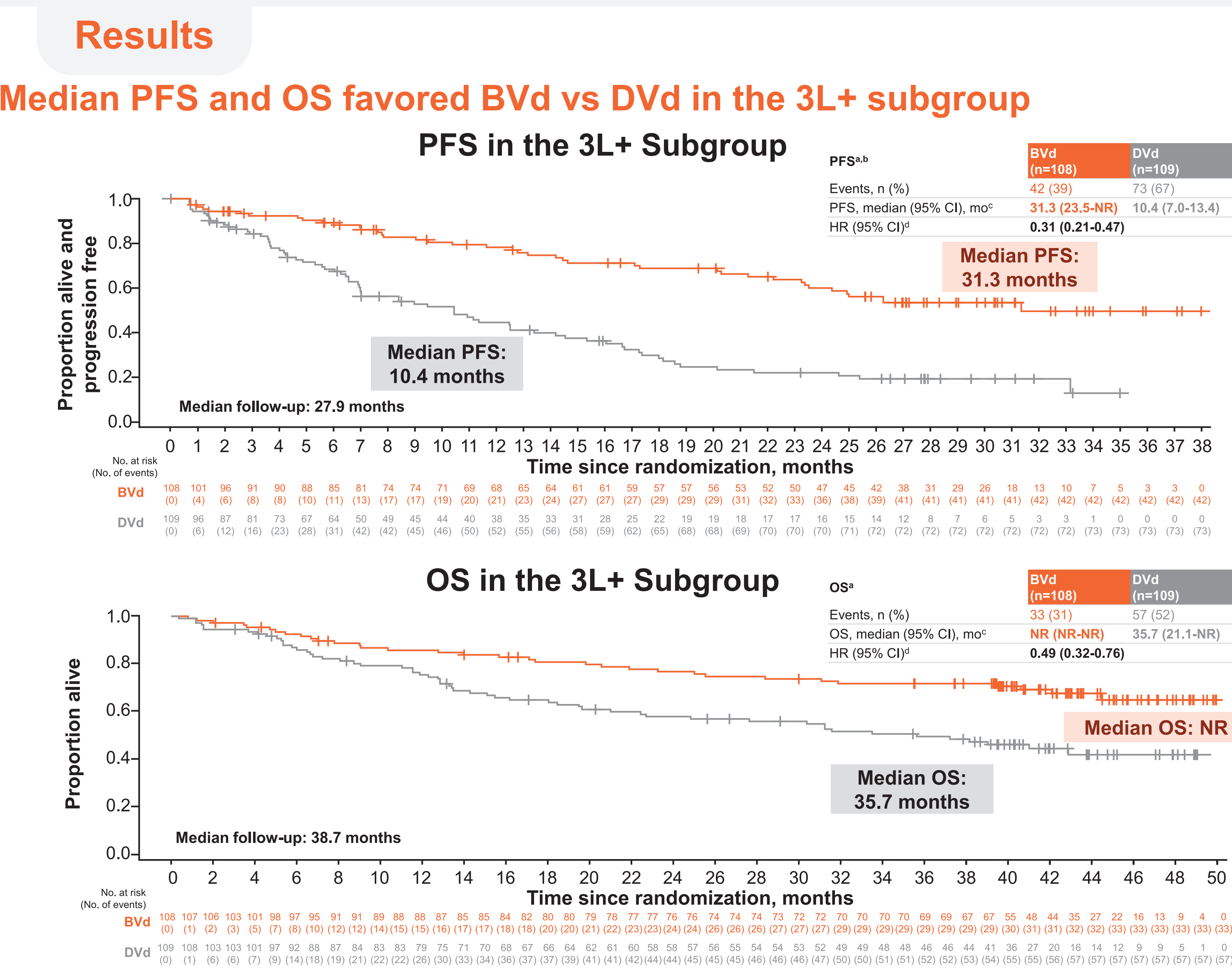
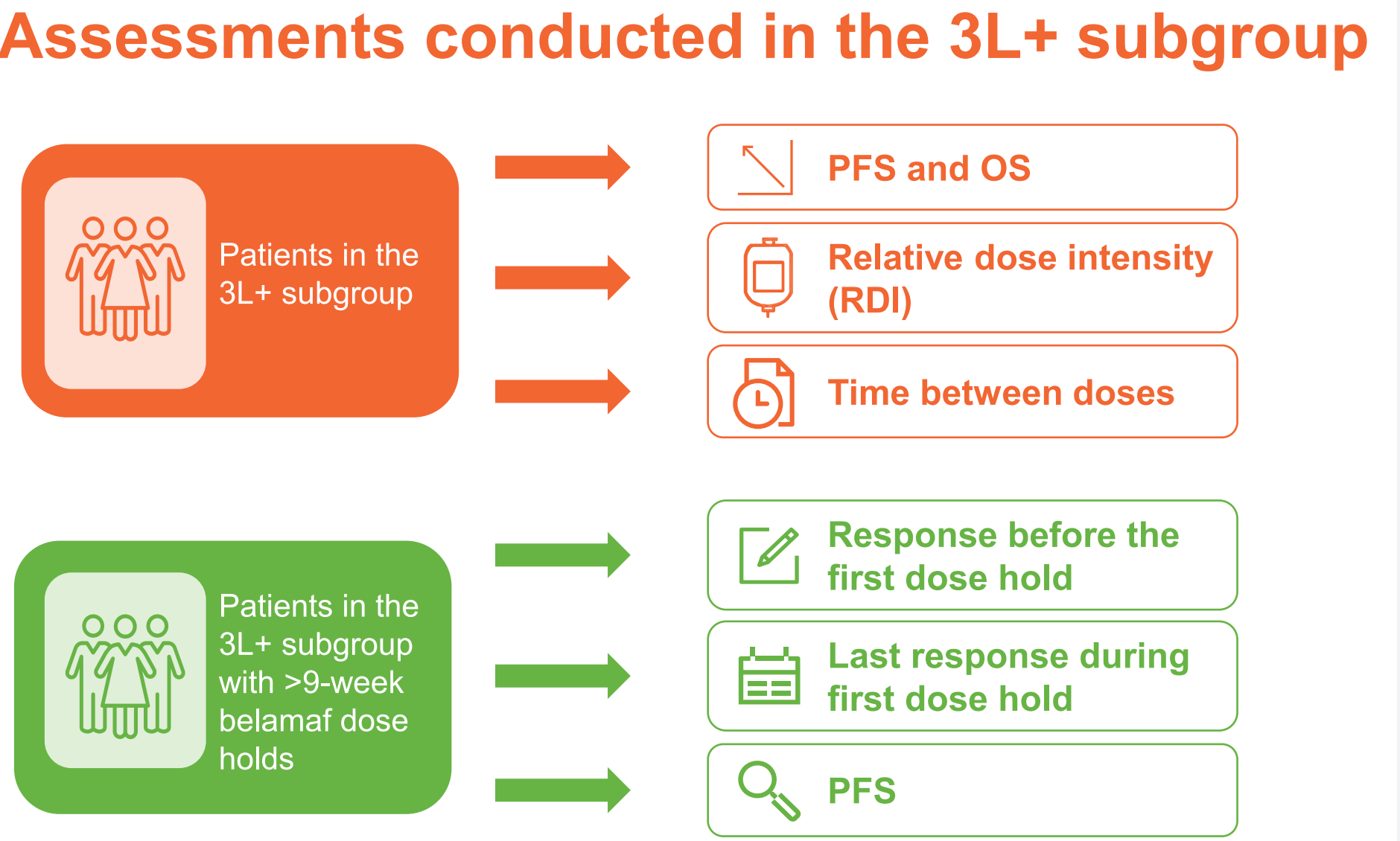
Poster narration
SCAN ME



^a Two patients in the ITT population underwent randomization but were not treated and underwent repeat screening and randomization; they are counted as 4 unique patients. ^b Dose modifications (delays or reductions) were permitted based on safety findings to manage AEs.

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- This descriptive post hoc analysis assessed outcomes in a subset of patients with ≥2 prior LOTs, including treatment with both a proteasome inhibitor and immunomodulatory agent (3L+ subgroup; BVd, n=108; DVd, n=109)
- The data cutoff for this analysis was October 2, 2023, for PFS and response rate outcomes in the 3L+ subgroup and patients with extended dosing intervals, and October 7, 2024, for OS outcomes



^a Based on all randomized patients who had received ≥2 prior LOTs, including a proteasome inhibitor and immunomodulatory agent. ^b Response was based on IRC assessment per International Myeloma Working Group criteria. ^c CIs were estimated using the Brookmeyer-Crowley method. ^d Based on the stratified Cox regression model.

