Talquetamab, a GPRC5D×CD3 Bispecific Antibody, in Combination With Daratumumab and Lenalidomide in Patients With Newly Diagnosed Multiple Myeloma: Safety and Efficacy Results From the Phase 1b MonumenTAL-2 Study

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https://www.congresshub.com/ASH2024/Oncology/ Talquetamab/Nooka

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#### **MonumenTAL-2 (Tal-Dara-Len):** First Combination of Talquetamab in NDMM

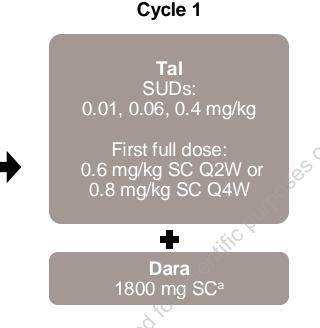
- Talquetamab (Tal) is the first approved GPRC5D-targeting bispecific antibody for the treatment of patients with relapsed/refractory MM<sup>1-3</sup>
- Daratumumab (Dara), an anti-CD38 monoclonal antibody, is a foundational therapy across all lines of MM therapy with direct on-tumor and immunomodulatory actions<sup>4,5)</sup>
- Lenalidomide (Len) is an established immunomodulatory drug that has direct on-tumor apoptotic activity<sup>6</sup>
- Combining Dara and Len with T-cell redirection therapy may potentiate antimyeloma effects
- We report initial efficacy and safety results of the immune-based Tal-Dara-Len regimen in patients with NDMM from the MonumenTAL-2 study

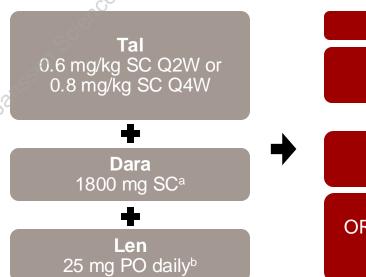


# MonumenTAL-2 (Tal-Dara-Len): Phase 1b Study Design

#### Eligibility criteria

- Measurable MM
- Newly diagnosed
- Transplant ineligible or not intended for transplant
- ECOG PS 0-1





Cycle 2+

Primary endpoint

Safety<sup>c</sup>

Key secondary endpoints

ORR,<sup>d</sup> time to response, DOR, PFS

<sup>a</sup>Administered QW (on days 1, 8, 15, and 22) during cycles 1 and 2, Q2W during cycles 3–6 (on days 1 and 15), and once (on day 1) during each subsequent 28-day cycle. <sup>b</sup>For 21 days of a 28-day cycle. <sup>c</sup>AEs assessed per CTCAE v5.0, except for CRS and ICANS, which were graded per ASTCT guidelines. <sup>d</sup>Assessed per IMWG 2016 criteria. AE, adverse event; ASTCT, American Society for Transplantation and Cellular Therapy; CRS, cytokine release syndrome; CTCAE, Common Terminology Criteria for Adverse Events; Dara, daratumumab; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; ICANS, immune effector cell–associated neurotoxicity syndrome; IMWG, International Myeloma Working Group; Len, lenalidomide; MM, multiple myeloma; ORR, overall response rate; PFS, progression-free survival; PO, by mouth; Q2W, every other week; Q4W, every 4 weeks; QW, weekly; SC, subcutaneous; SUD, step-up dose; Tal, talquetamab.



## MonumenTAL-2 (Tal-Dara-Len): Baseline Characteristics

- Patients were mostly White, male, and had an ISS stage of I/II with a median age of 68.5 years (Q2W) and 74.0 years (Q4W)
- A higher proportion of patients with high-risk cytogenetics and/or extramedullary plasmacytomas were in the Q4W vs Q2W cohort, although numbers are small in the Q2W cohort



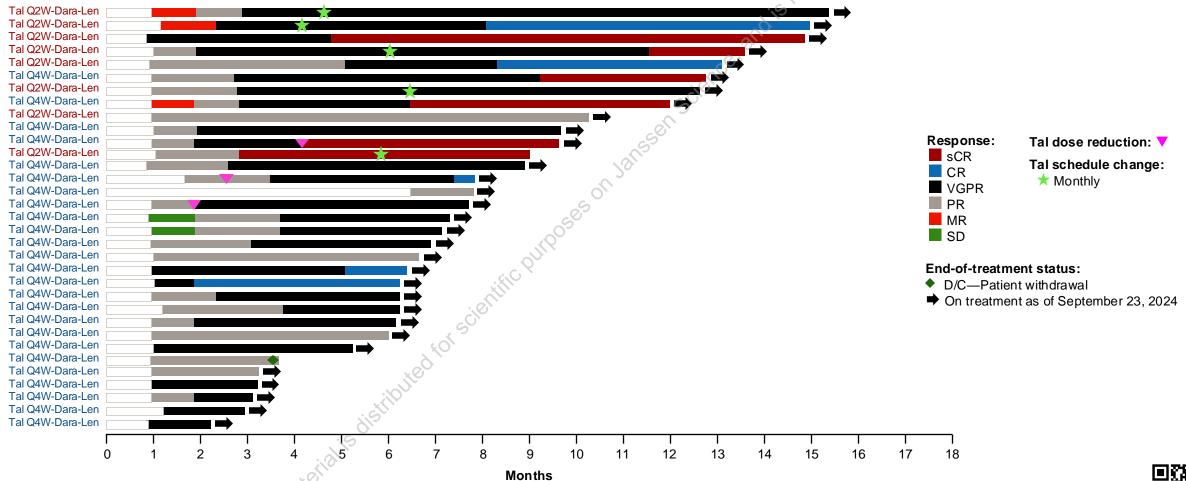
# MonumenTAL-2 (Tal-Dara-Len): High ORR With Rapid and Deep Responses

#### **ORR** ■ PR ■ VGPR CR ■ sCR 100.0% 96.2% (8/8)(25/26)100 11.5 37.5 80 11.5 Patients, % 60 ≥VGPR: ≥VGPR: 87.5% 80.8% 25.0 57.7 40 25.0 20 15.4 12.5 Tal 0.6 mg/kg Q2W-Dara-Len Tal 0.8 mg/kg Q4W-Dara-Len

Science,	Tal 0.6 mg/kg Q2W-Dara-Len (n=8)	Tal 0.8 mg/kg Q4W-Dara-Len (n=26)
Median follow-up, months (range)	13.2 (10.0–14.6)	5.8 (1.7ª–12.0)
Median time to first response, months (range)	1.0 (0.9–2.3)	1.0 (0.9–1.9)
Median time to best response, months (range)	3.8 (1.0–11.6)	1.9 (0.9–9.2)
6-month DOR rate, % (95% CI)	100.0 (100.0–100.0)	100.0 (100.0–100.0)
6-month PFS rate, % (95% CI)	100.0 (100.0–100.0)	95.8 (73.9–99.4)



### MonumenTAL-2 (Tal-Dara-Len): Responses Deepened Over Time

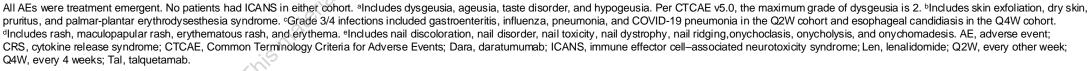




## MonumenTAL-2 (Tal-Dara-Len): Safety Profile Consistent With Individual Agents

AEs ≥30%, n (%)	Tal 0.6 mg/kg Q2W-Dara-Len (n=8)		Tal 0.8 mg/kg Q4W-Dara-Len (n=26)	
	Any Grade	Grade 3/4	Any Grade	Grade 3/4
Hematologic AEs				
Neutropenia	6 (75.0)	6 (75.0)	12 (46.2)	11 (42.3)
Anemia	5 (62.5)	3 (37.5)	8 (30.8)	3 (11.5)
Thrombocytopenia	4 (50.0)	1 (12.5)	8 (30.8)	2 (7.7)
Nonhematologic AEs				
Taste related <sup>a</sup>	8 (100.0)	0	24 (92.3)	1 (3.8)
CRS	7 (87.5)	0	20 (76.9)	0
Skin related <sup>b</sup>	6 (75.0)	2 (25.0)	20 (76.9)	1 (3.8)
Infectionsc	8 (100.0)	3 (37.5)	13 (50.0)	1 (3.8)
Rash related <sup>d</sup>	5 (62.5)	3 (37.5)	15 (57.7)	3 (11.5)
Diarrhea	7 (87.5)	0	11 (42.3)	1 (3.8)
Nail relatede	5 (62.5)	0	13 (50.0)	0
Dry mouth	5 (62.5)	0	12 (46.2)	0
Constipation	3 (37.5)	0	13 (50.0)	0
Pyrexia	5 (62.5)	0	10 (38.5)	0
Cough	6 (75.0)	0	8 (30.8)	0
Fatigue	5 (62.5)	1 (12.5)	9 (34.6)	2 (7.7)
Nausea	5 (62.5)	0 6	9 (34.6)	2 (7.7)
Weight decreased	2 (25.0)	0,5	11 (42.3)	1 (3.8)

- Most common infections were COVID-19, rhinovirus, and other upper respiratory tract infections; all infections were mostly grade 1/2
- Hypogammaglobulinemia was reported in 63% (Q2W) and 54% (Q4W) of patients; 50% (Q2W) and 19% (Q4W) received ≥1 dose of intravenous immunoglobulin during treatment
- AEs led to Tal dose reductions in 38% (Q2W) and 23% (Q4W), Tal skipped doses in 75% (Q2W) and 31% (Q4W), and Tal dose delays in 88% (Q2W) and 15% (Q4W) of patients
- No patients discontinued any study treatments due to AEs
- 1 patient had a grade 5 AE in the Q4W cohort (large intestine perforation due to sigmoid mass; not drug related)
- Translational and immune outcomes for this regimen are presented in **Poster 4653**





### MonumenTAL-2 (Tal-Dara-Len): Conclusions

- The novel, immune-based combination regimen of Tal-Dara-Len elicited high and rapid responses that were deep in patients with NDMM with 6–13 months of follow-up
- The safety profile was consistent with the individual agents, with no evidence of additive hematologic AEs and no discontinuations due to AEs
- These data support further investigation in the MajesTEC-7 study (NCT05552222; Tal-Dara-Len or Teclistamab [Tec]-Dara-Len vs Dara-Len-Dexamethasone in NDMM), given the promising data here and initial results with the Tec (BCMA bispecific antibody) arm<sup>1</sup>

This first study combining Tal with Dara and Len in NDMM showed >96% ORRs and a manageable safety profile that continue to support Tal as a versatile combination partner, including in NDMM

