

## 3078P

# Immune-mediated adverse events (imAEs) associated with sasanlimab in combination with Bacillus Calmette-Guérin (BCG): Phase III study (CREST)

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#### Background

Sasanlimab in combination with BCG induction and maintenance (I+M) significantly prolonged event-free survival vs BCG-I+M for patients (pts) with BCG-naive, high-risk NMIBC, with an acceptable safety profile in the phase 3 CREST study. Here, we report the incidence and management of imAEs from CREST.

#### Methods

Eligible pts were randomized 1:1:1 to receive sasanlimab with BCG-I+M, sasanlimab with BCG-I, or BCG-I+M. AEs were classified as imAEs using programmatic checks and medical review based on the known safety profiles of immune checkpoint inhibitors (ICIs) and were reported using NCI CTCAE v5.0.

#### Results

At data cutoff (Dec 2, 2024), rates of imAEs were similar between the sasanlimab with BCG-I+M (n=350; any grade: 43%; grade  $\geq$ 3: 16%) and sasanlimab with BCG-I (n=348; any grade: 47%; grade  $\geq$ 3: 14%) arms. In the pooled data from the sasanlimab with BCG-I+M and sasanlimab with BCG-I arms (Table), any-grade imAEs occurred in 45% of pts (312/698); most pts with an imAE had grade 1/2 as the highest grade (67%; 208/312). The most common any-grade imAEs by clusters were thyroid disorders (19%) and rash (13%). The most common grade  $\geq$ 3 imAEs by cluster were hepatitis and rash (3% each). The most common imAEs leading to discontinuation of sasanlimab were rash and hepatitis (3% each). Systemic corticosteroids were administered in 139 of 312 pts (45%) who had an imAE, 77 of whom had received a high dose ( $\geq$ 40 mg daily prednisolone or equivalent). Hormonal replacement therapy was required for 74% of pts with an imMEe had all imAEs resolved. Table: 3078P

Pts, n (%)	Sasanlimab with BCG (pooled) N=698
Any-grade imAE	312 (45)
Grade 1	64 (9)
Grade 2	144 (21)
Grade 3	86 (12)
Grade 4	17 (2)
Grade 5	1 (<1) <sup>a</sup>
imAE clusters	
Thyroid disorders	133 (19)
Rash	94 (13)
Hepatitis	29 (4)
Pancreatitis	24 (3)

Pts, n (%)	Sasanlimab with BCG (pooled) N=698
Adrenal insufficiency	24 (3)
Colitis	18 (3)
Hypophysitis/hypopituitarism	17 (2)
Nephritis and renal dysfunction	15 (2)
Pneumonitis	14 (2)
Type 1 diabetes	11 (2)
Myocarditis	4 (<1)
Myositis	3 (<1)
Myasthenic syndrome/myasthenia gravis	2 (<1)
Uveitis	1 (<1)
Other imAEs	24 (3)
Pts with imAEs leading to sasanlimab discontinuation 112 (16)	
Pts with imAEs leading to BCG discontinuation	11 (2)
Pts with all imAEs resolved <sup>b</sup>	125 (40)

<sup>&</sup>lt;sup>a</sup>Myocarditis. <sup>b</sup>Of pts with an imAE (n=312).

#### Conclusions

imAEs seen with sasanlimab in combination with BCG were aligned with the known safety profile of ICIs. imAEs were manageable with treatment interruption/discontinuation and administration of corticosteroids and/or hormonal replacement therapy.

## Clinical trial identification

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## Legal entity responsible for the study

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# Disclosure

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