# PHASE 1 RESULTS OF EXICORILANT+ENZALUTAMIDE IN PATIENTS WITH **CASTRATION-RESISTANT** PROSTATE CANCER



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# Summary & Conclusions

- There is an unmet need for novel, targeted treatments that can overcome tumor escape pathways to existing therapies in mCRPC.
- This is the first study of the selective GR modulator exicorilant in combination with enzalutamide in patients with mCRPC.
- Exicorilant 240 mg QD + enzalutamide 160 mg QD was selected as the phase 2 regimen.
- The most clinically relevant AEs were fatigue and pain in leg/extremity consistent with neuropathic pain.
- Modulation of a GR-regulated gene was observed.
- No clinically relevant changes in enzalutamide exposures were observed when combined with exicorilant vs. enzalutamide alone.
- Cortisol and ACTH were not significantly altered by exicorilant.
- Further pharmacodynamic and efficacy results will be presented in the future.

### **Speaker Disclosures**

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• Combining the selective GR modulator (SGRM) exicorilant with enzalutamide may block this escape pathway via dual antagonism of GR and AR.

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Patient population: Patients with mCRPC with or without rising prostate-specific antigen (PSA; 25% increase over nadir and absolute value >1 ng/mL)

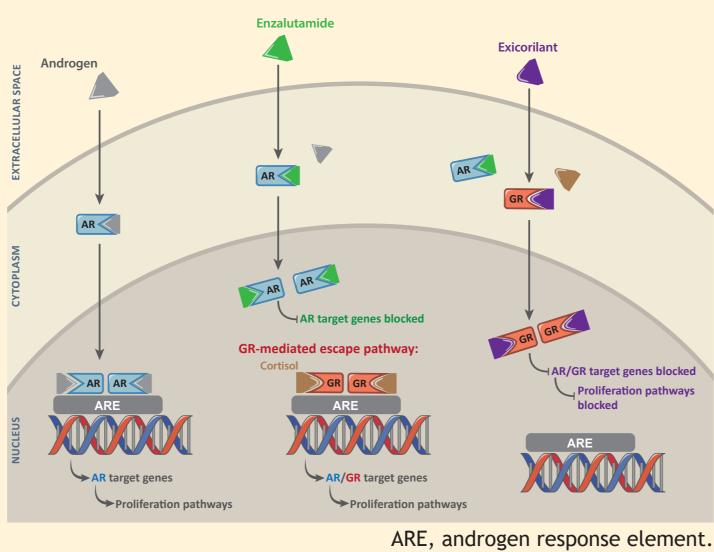
 Metastatic castration-resistant prostate cancer (mCRPC) remains an incurable disease, despite the availability of multiple classes of therapies that delay disease progression and prolong life.<sup>1</sup>

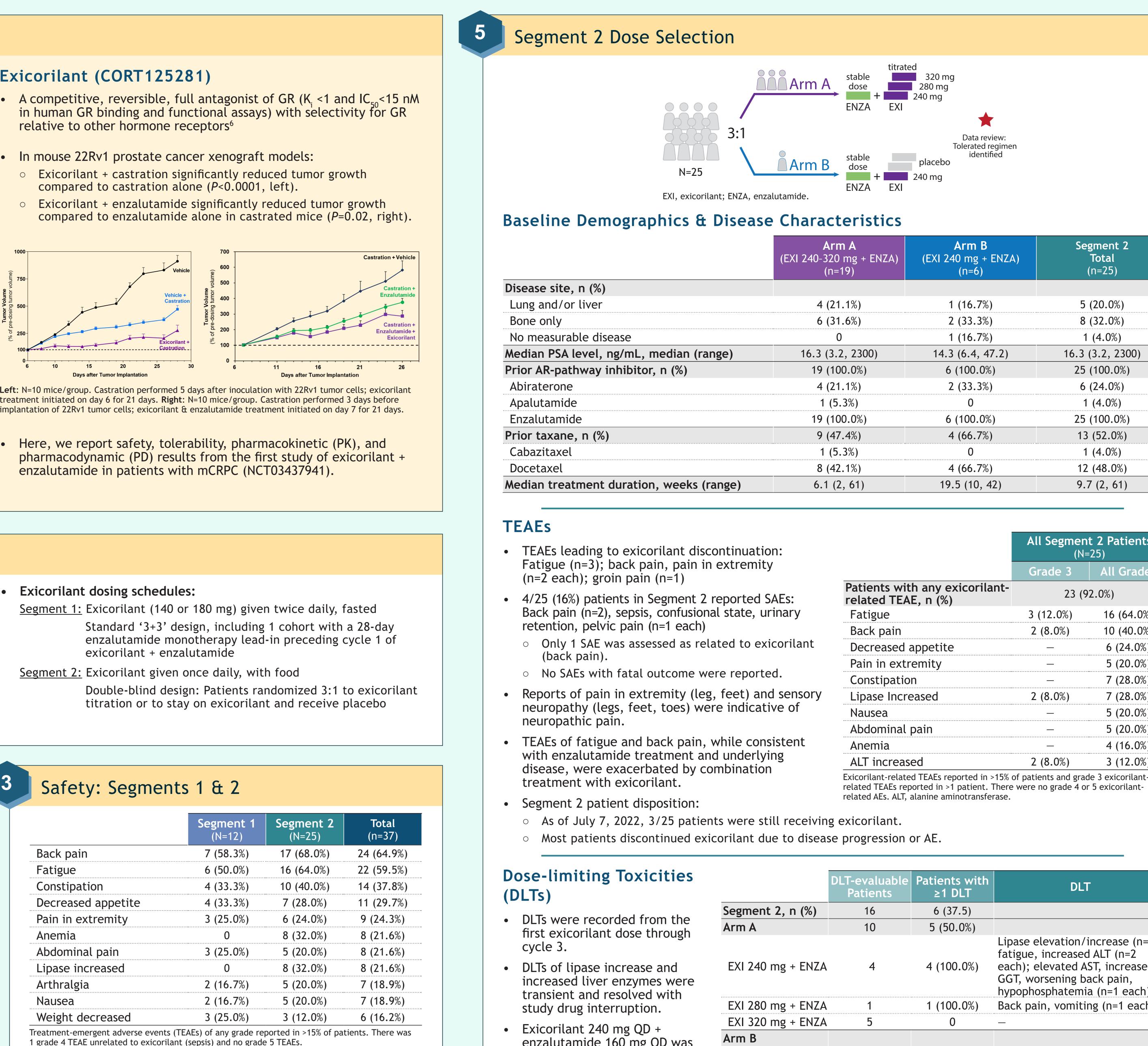
mCRPC, and AR-targeted therapies are the mainstay for patients with locally advanced or metastatic disease.

Enzalutamide<sup>2,3</sup>, an AR antagonist, is commonly used, but resistance typically develops within 8-12 months.<sup>3,4</sup>

• The glucocorticoid receptor (GR) can provide a tumor escape pathway following anti-androgen therapy by becoming the dominant growth factor.<sup>5</sup>

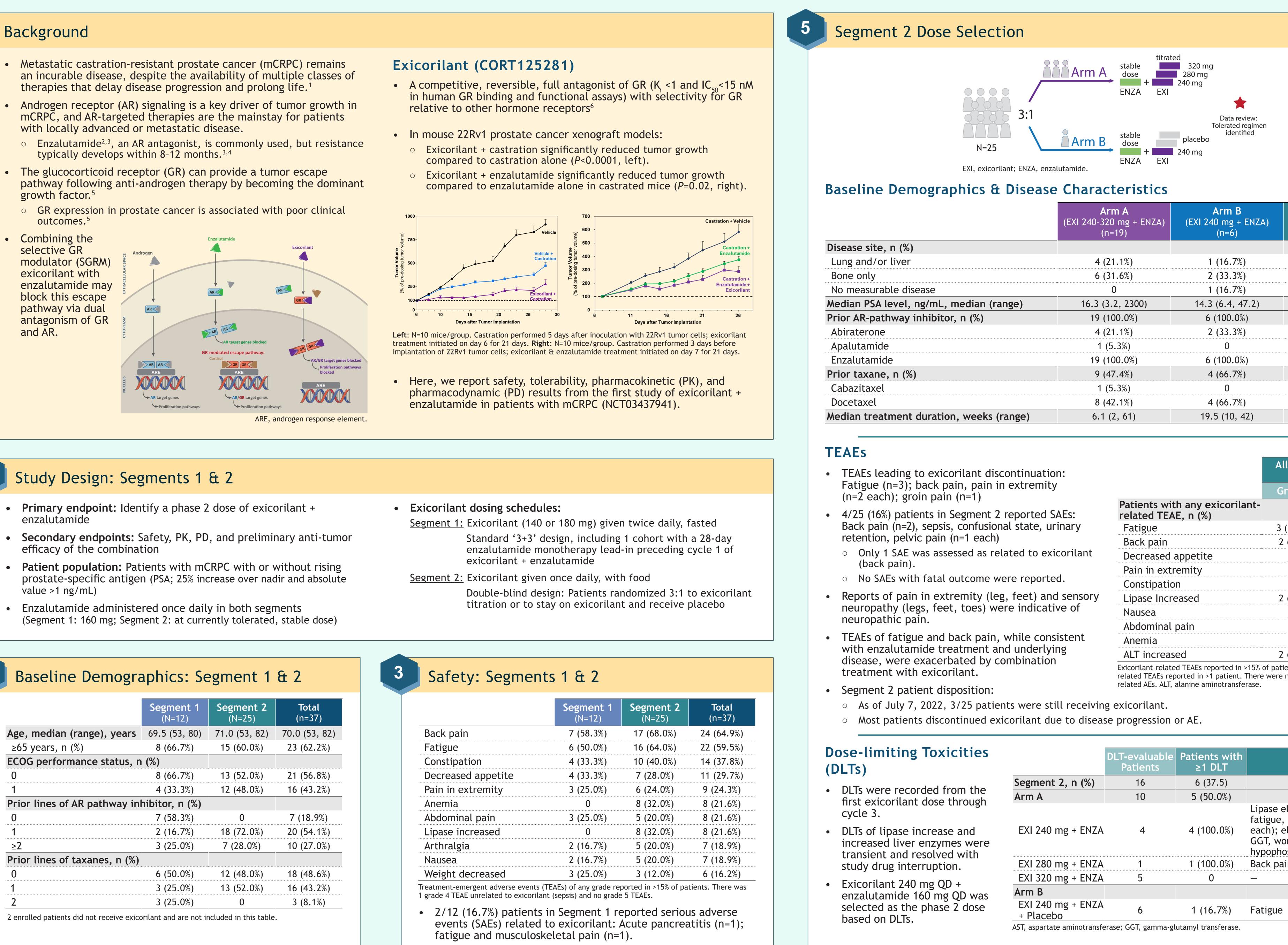
GR expression in prostate cancer is associated with poor clinical outcomes.<sup>5</sup>





• Primary endpoint: Identify a phase 2 dose of exicorilant + enzalutamide

efficacy of the combination



# Pharmacokinetics & Pharmacodynamics: Segments 1 & 2

## Segment 1: Enzalutamide PK in the Presence/Absence of Exicorilant

• Mean ratios of enzalutamide + N-desmethyl enzalutamide exposures on C2D1 / C1D-1 were used to assess the potential drug-drug interaction (DDI).

- C1D-1: Day 28 of enzalutamide monotherapy lead-in • C2D1: Day 29 of combined therapy

Mean ratios <0.75 or >1.4 are considered indicative of a notable DDI and require dose modification to achieve target exposures.

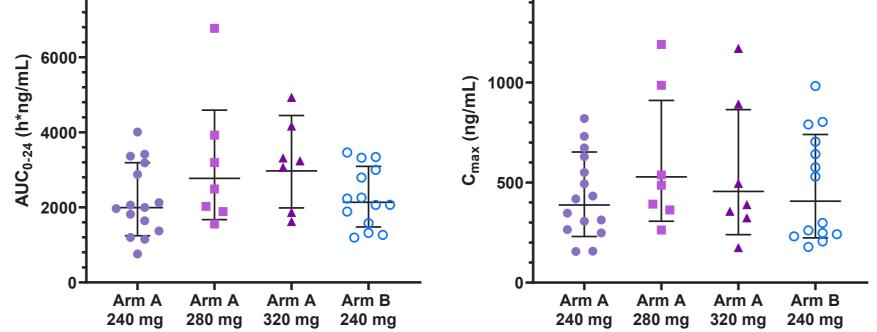
he observed mean ratios of 1.14 for C<sub>max</sub> and 1.26 for AUC were considered indicative of notable DDL

Therefore, no enzalutamide dose modification was warranted upon coadministration with exicorilant.

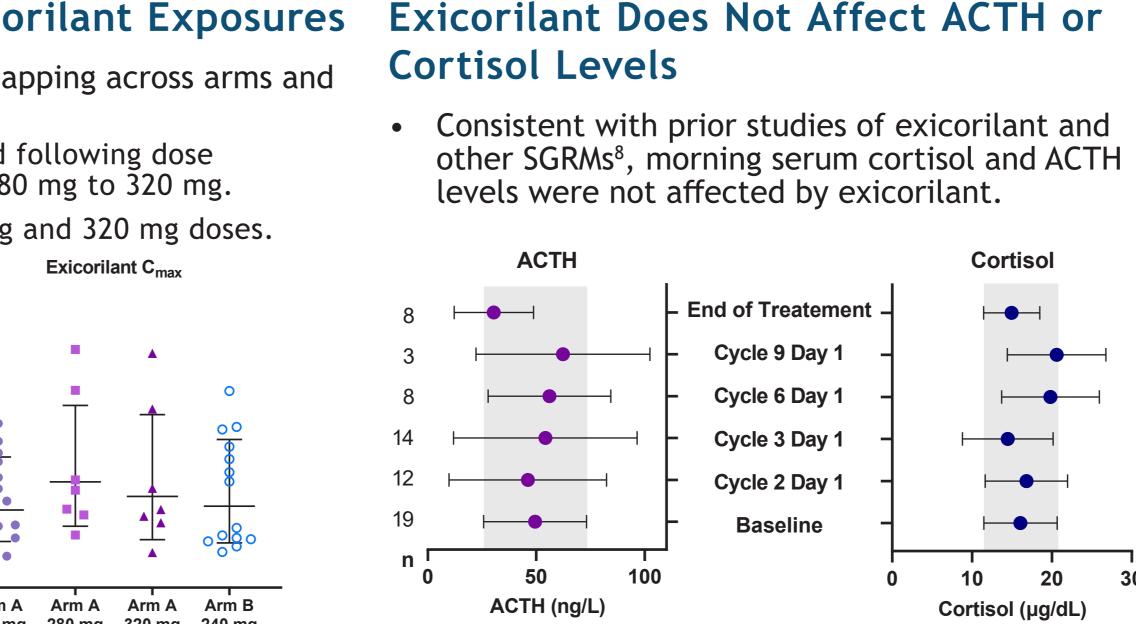
, maximum concentration: AUC, area under the curve: CxDv, cvcle x day v

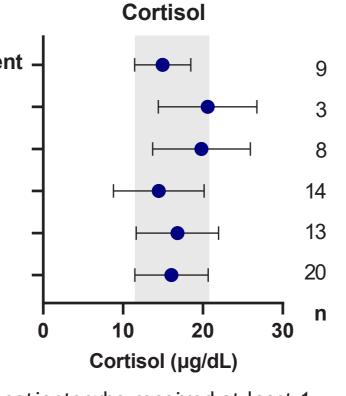
## Segment 2: Enzalutamide & Exicorilant Exposures

- Exicorilant exposures were largely overlapping across arms and dose levels.
- Greater increases in AUC were observed following dose escalation from 240 mg to 280 mg vs. 280 mg to 320 mg. The mean  $C_{max}$  was similar at the 280 mg and 320 mg doses. Exicorilant Cma xicorilant AUC<sub>0.2</sub>



Enzalutamide exposures were largely overlapping across arms, irrespective of exicorilant dose level, and consistent with historical data for enzalutamide 160 mg alone.<sup>7</sup>



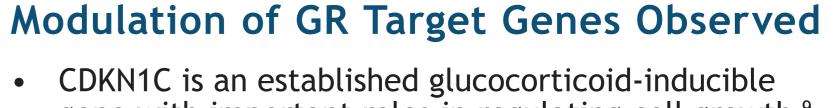


Showing mean  $\pm$  SD in the safety population (all patients who received at least 1 dose of exicorilant). Gray band: Baseline mean ± SD. ACTH, adrenocorticotropic hormone; SD, standard deviation.

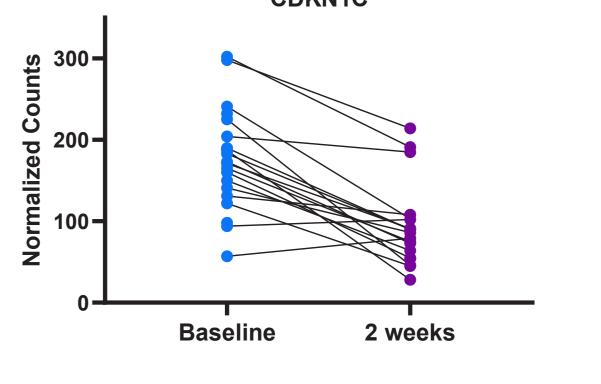
	<b>Arm A</b> (EXI 240-320 mg + ENZA) (n=19)	<b>Arm B</b> (EXI 240 mg + ENZA) (n=6)	Segment 2 Total (n=25)
	4 (21.1%)	1 (16.7%)	5 (20.0%)
	6 (31.6%)	2 (33.3%)	8 (32.0%)
	0	1 (16.7%)	1 (4.0%)
edian (range)	16.3 (3.2, 2300)	14.3 (6.4, 47.2)	16.3 (3.2, 2300)
n (%)	19 (100.0%)	6 (100.0%)	25 (100.0%)
	4 (21.1%)	2 (33.3%)	6 (24.0%)
	1 (5.3%)	0	1 (4.0%)
	19 (100.0%)	6 (100.0%)	25 (100.0%)
	9 (47.4%)	4 (66.7%)	13 (52.0%)
	1 (5.3%)	0	1 (4.0%)
	8 (42.1%)	4 (66.7%)	12 (48.0%)
weeks (range)	6.1 (2, 61)	19.5 (10, 42)	9.7 (2, 61)

ant discontinuation:		All Segment 2 Patients (N=25)	
, pain in extremity		Grade 3	All Grades
n=1) egment 2 reported SAEs: confusional state, urinary =1 each)	Patients with any exicorilant- related TEAE, n (%)	23 (92.0%)	
	Fatigue	3 (12.0%)	16 (64.0%)
	Back pain	2 (8.0%)	10 (40.0%)
ed as related to exicorilant	Decreased appetite	—	6 (24.0%)
come were reported.	Pain in extremity	—	5 (20.0%)
	Constipation	—	7 (28.0%)
mity (leg, feet) and sensory toes) were indicative of	Lipase Increased	2 (8.0%)	7 (28.0%)
	Nausea	—	5 (20.0%)
	Abdominal pain	—	5 (20.0%)
k pain, while consistent	Anemia	—	4 (16.0%)
ment and underlying ed by combination	ALT increased	2 (8.0%)	3 (12.0%)

		DLT-evaluable Patients	Patients with ≥1 DLT	DLT
	Segment 2, n (%)	16	6 (37.5)	
	Arm A	10	5 (50.0%)	
gh ere	EXI 240 mg + ENZA	4	4 (100.0%)	Lipase elevation/increase (n=3 fatigue, increased ALT (n=2 each); elevated AST, increased GGT, worsening back pain, hypophosphatemia (n=1 each)
	EXI 280 mg + ENZA	1	1 (100.0%)	Back pain, vomiting (n=1 each)
	EXI 320 mg + ENZA	5	0	
	Arm B			
S	EXI 240 mg + ENZA + Placebo	6	1 (16.7%)	Fatigue



- gene with important roles in regulating cell growth.<sup>9</sup> CDKN1C was suppressed in blood after 2 weeks of dosing with exicorilant 240 mg + enzalutamide 160 mg (paired T-test *P*<0.0001).
- Data from the Segment 1 lead-in confirmed that CDKN1C is not affected by enzalutamide alone. CDKN1C



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