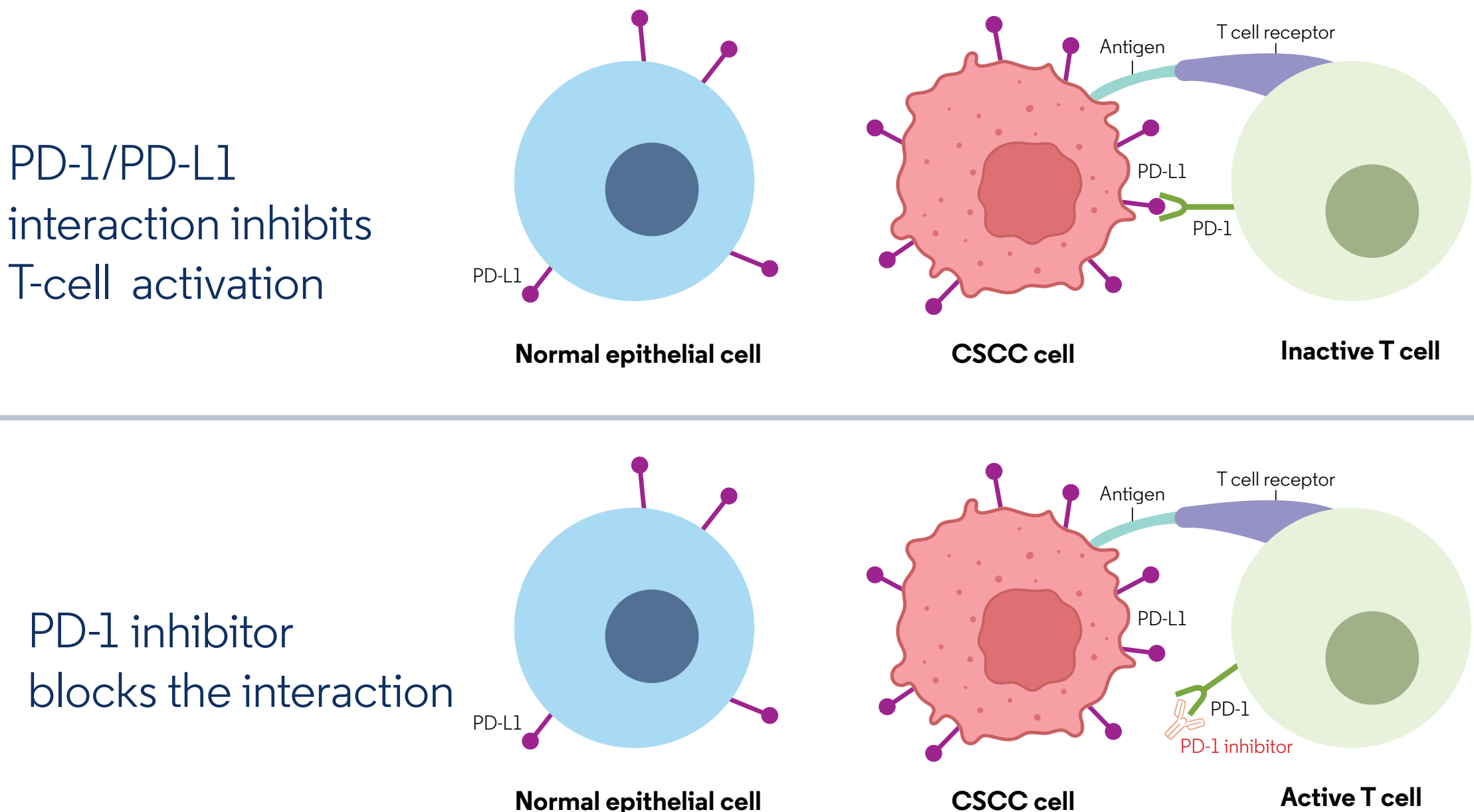


Adjuvant Immunotherapy in High-Risk CSCC: Phase 3 Evidence

Adjuvant Immunotherapy in High-Risk CSCC

- Patients with high-risk CSCC are at risk of recurrence despite surgery and radiation.¹
 - Adjuvant treatment after surgery and/or radiation aims to eliminate any remaining microscopic residual disease or micrometastatic disease.^{2,3}
 - CSCCs are highly immunogenic⁴; therefore, they may respond well to adjuvant immunotherapy.
 - Some studies have found PD-L1 expression to be higher in CSCC compared to normal epithelial tissue or precancerous lesions.^{5,6}
- Tumor cells can exploit PD-L1 expression to suppress T cell activation through the PD-1/PD-L1 signaling axis.⁷
PD-1 inhibitors, such as pembrolizumab and cemiplimab, have the potential to block this inhibitory signal.

Mechanism of action of PD-1 inhibitors



KEYNOTE-630

Pembrolizumab did not significantly affect recurrence-free survival, and the study was discontinued due to futility⁸

PD-1 Inhibitors: Phase 3 Trials in High-Risk CSCC

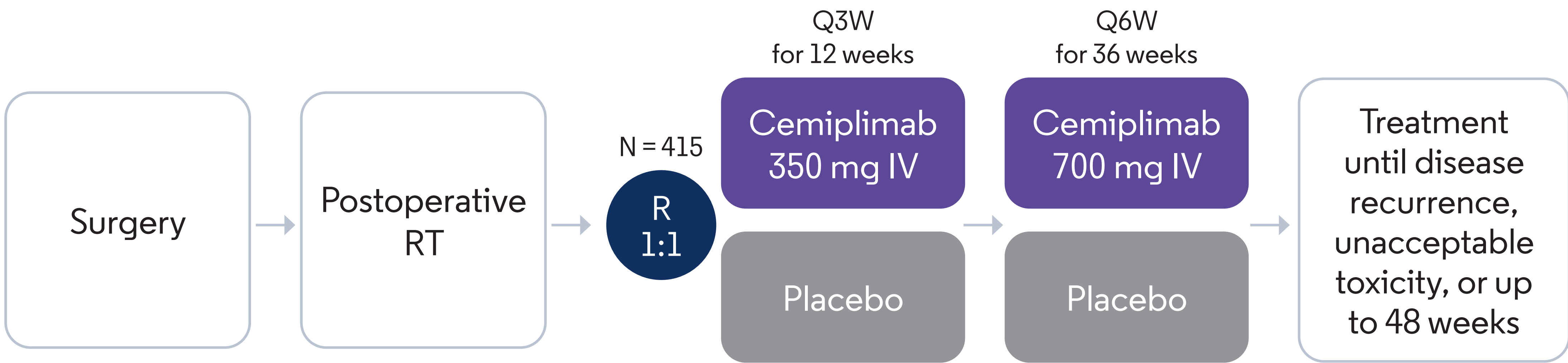
Randomized, double-blind, placebo-controlled, phase 3 studies evaluating PD-1 inhibitors as adjuvant therapy for high-risk CSCC

C-POST

Cemiplimab significantly improved disease-free survival compared to placebo⁹

C-POST: Trial Design

Study Design⁹



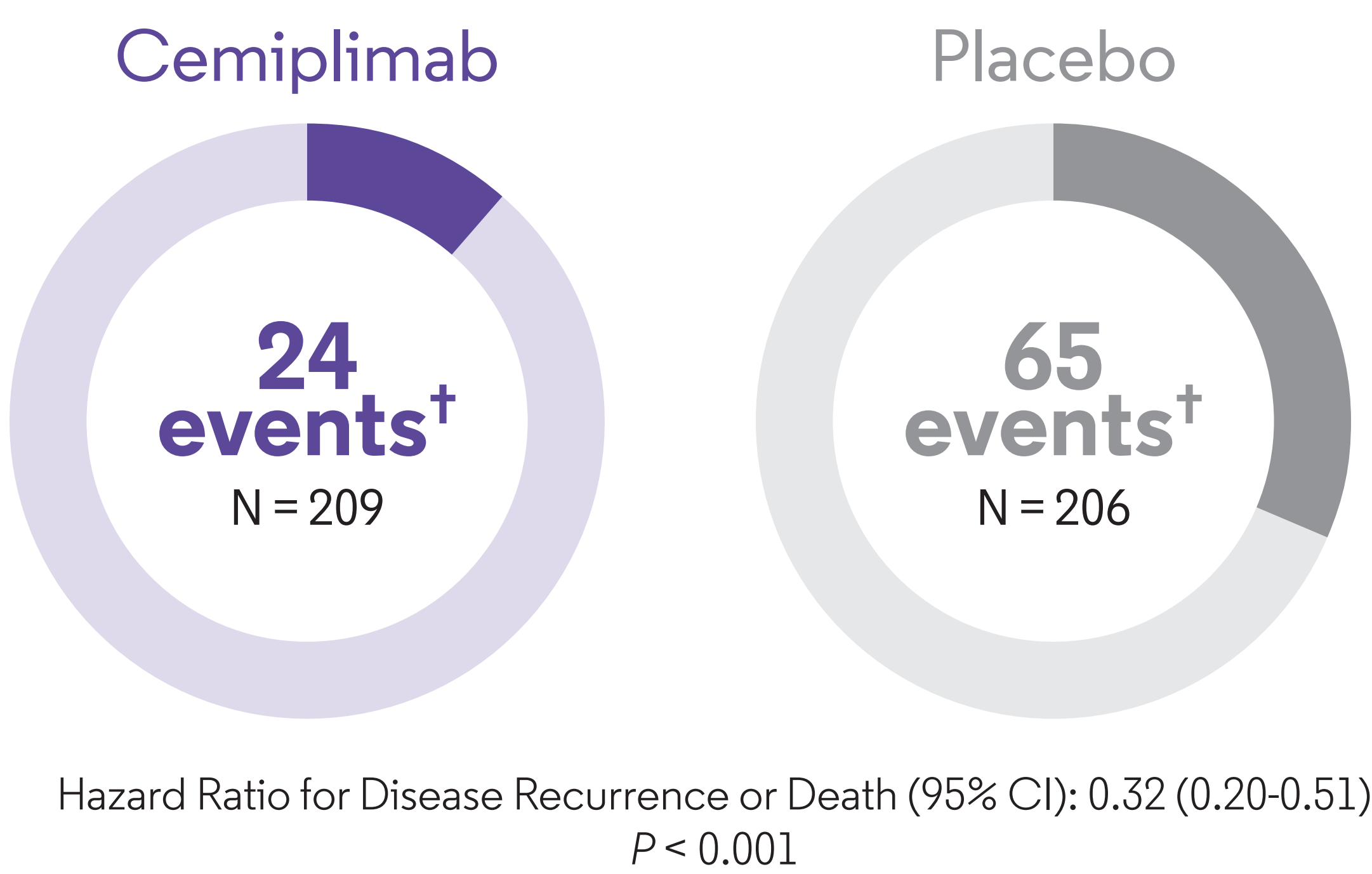
Patient Characteristics at Baseline⁹

KEY ELIGIBILITY CRITERIA ⁹	KEY ELIGIBILITY CRITERIA ⁹	
	Patients aged ≥18 years with local or regional CSCC	Completed both curative-intent surgery (with macroscopic gross resection of all disease) and postoperative RT (or concurrent chemoradiotherapy) within 2 to 10 weeks before randomization
KEY EXCLUSION CRITERIA ⁹	High risk of recurrence due to nodal features and/or non-nodal features	ECOG PS ≤1
	Concurrent malignancy	Autoimmune disease that required systemic therapy with immunosuppressant agents within 5 years
KEY EXCLUSION CRITERIA ⁹	History of solid organ transplant	Prior allogeneic or autologous stem cell transplantation
	Uncontrolled HIV, hepatitis B or hepatitis C infection	

Cemiplimab (N = 209)	Placebo (N = 206)
71 (33.87) Median age (range) – year	70.5 (36-95) Median age (range) – year
174 (83.3) Male sex – no. (%)	174 (84.5) Male sex – no. (%)
189 (90.4) Race, White – no. (%)	189 (91.7) Race, White – no. (%)

C-POST: Efficacy and Safety Results

Primary endpoint: Disease-free survival*⁹



Secondary endpoints⁹

	Cemiplimab N = 209	Placebo N = 206	HR (95% CI)
Freedom From Locoregional Recurrence Locoregional recurrence events, n	9	40	0.20 (0.09-0.40)
Freedom From Distant Recurrence Distant recurrence events, n	10	26	0.35 (0.17-0.72)
Overall Survival Deaths, n	15	18	0.78 (0.39-1.56)

Safety Data⁹

	Any adverse event (AE)	Fatigue	Pruritus	Rash	Diarrhea	Immune-related AE
Cemiplimab (% of patients)	91.2	22.0	16.1	16.1	15.6	22.9
Placebo (% of patients)	89.2	21.6	12.3	8.8	18.6	6.4

Implications for Treatment of High-Risk CSCC

- Consider adjuvant cemiplimab after surgery and RT for appropriate patients with high-risk CSCC
- Initiate multidisciplinary conversations early to integrate adjuvant immunotherapy into treatment plans

*Disease-free survival is defined as time from randomization to the first documented occurrence of events.

†Events are defined as disease recurrence (locoregional or distant) or death due to any cause.

AE, adverse event; CI, confidence interval; CSCC, cutaneous squamous cell carcinoma; ECOG PS, Eastern Cooperative Oncology Group Performance Status; HIV, human immunodeficiency virus; HR, hazard ratio; IV, intravenously; PD-1, programmed cell death protein 1; PD-L1, programmed death-ligand 1; Q3W, every 3 weeks; Q6W, every 6 weeks; R, randomization; RT, radiation therapy.

REFERENCES

- Porceddu SV, et al. *J Clin Oncol*. 2018;36(13):1275-1283.
- Janjigian YY, et al. *Cancer Cell*. 2021;39(6):738-742.
- Liakos W, et al. *EJC Skin Cancer*. 2025;3:100769.
- Petty AJ, et al. *Oncol Res*. 2026;34(3):2.
- Li D, et al. *Clin Cosmet Investig Dermatol*. 2023;16:1-8.
- Gambichler T, et al. *Cancer Immunol Immunother*. 2017;66(9):1199-1204.
- Han Y, et al. *Am J Cancer Res*. 2020;10(3):727-742.
- Koyfman SA, et al. *J Clin Oncol*. 2025;43(16_suppl):6000.
- Rischin D, et al. *N Engl J Med*. 2025;393(8):774-785.