# AdvanTIG-105: Phase 1b Dose-Expansion Study of Ociperlimab With Chemotherapy in Patients With Extensive-Stage Small Cell Lung Cancer

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Ociperlimab plus tislelizumab with cisplatin or carboplatin plus etoposide demonstrated encouraging antitumor activity as first-line treatment for patients with ES-SCLC.



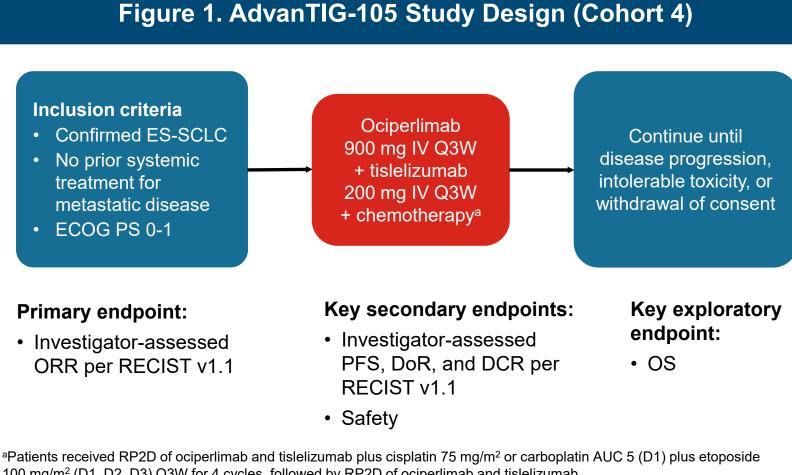
# Background

The addition of anti-programmed death-ligand 1 (PD-L1) therapy to first-line chemotherapy for extensive-stage small cell lung cancer (ES-SCLC) has significantly improved prognosis versus chemotherapy alone<sup>1,2</sup>; however, unmet needs remain.<sup>3</sup>



# Methods

- In dose-escalation, the established recommended phase 2 dose was ociperlimab 900 mg intravenously (IV) every 3 weeks (Q3W) plus tislelizumab 200 mg IV Q3W<sup>7</sup>
- Here, we report data from the dose-expansion part of the phase 1b AdvanTIG-105 study in patients with ES-SCLC (Cohort 4; Figure 1)



100 mg/m<sup>2</sup> (D1, D2, D3) Q3W for 4 cycles, followed by RP2D of ociperlimab and tislelizumab. Abbreviations: AUC, area under the curve; D, day; DCR, disease control rate; DoR; duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; ES-SCLC, extensive-stage small cell lung cancer; IV, intravenous; ORR, objective response rate; OS, overall survival; PFS, progression-free survival; Q3W, every 3 weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors version 1.1; RP2D, recommended phase 2 dose.

Inhibition of T-cell immunoreceptor with immunoglobulin and immunoreceptor tyrosine-based inhibitory motif domains (TIGIT) in combination with programmed cell death protein 1 (PD-1)/PD-L1 inhibition has demonstrated antitumor activity in advanced solid tumors.<sup>4-7</sup>

# Results

# **Patient Disposition and Baseline Characteristics**

## Antitumor Activity

Table 1. Confirmed Antitumor Activity <sup>a</sup>	
	Total (N=40)
ORR, n (%) (95% Cl)	26 (65.0) (48.3, 79.4)
BOR, n (%) CR PR SD PD NE	0 (0.0) 26 (65.0) 10 (25.0) 2 (5.0) 2 (5.0)
DCR, n (%)	36 (90.0)
Median DoR, months (95% CI)	4.3 (3.2, 5.6)

<sup>a</sup>Efficacy evaluable set. **Abbreviations:** BOR, best overall response; CI, confidence interval; CR, complete response; DCR, disease control rate; DoR, duration of response; NE, not evaluable; ORR, objective response rate; PD, progressive disease; PR, partial response; SD. stable disease.

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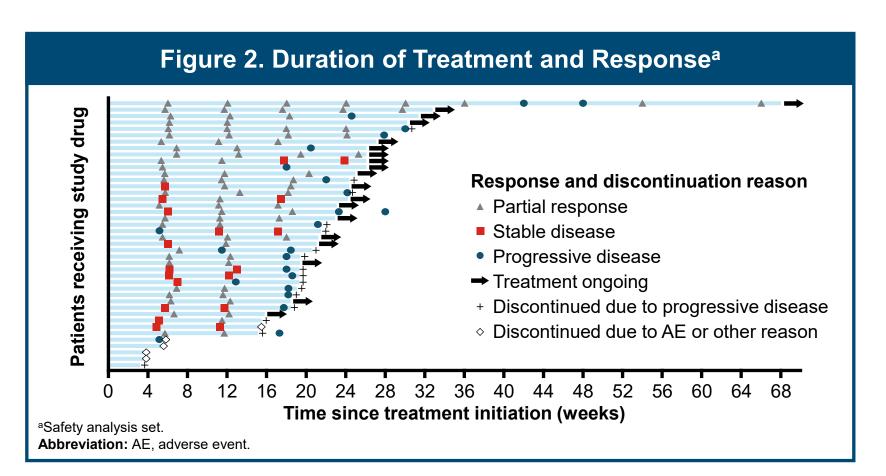
Clinical activity of this combination was shown by an ORR of 65%, median duration of response >4 months, 90% disease control rate, and median PFS of almost 5 months.

> Ociperlimab is a humanized Fc-intact IgG1 monoclonal antibody (mAb) designed to bind to TIGIT with high specificity and affinity.<sup>7,8</sup> Tislelizumab is an anti-PD-1 mAb specifically designed to minimize Fc-gamma receptor binding on macrophages.<sup>9</sup>

• As of June 20, 2022, 42 patients were enrolled in Cohort 4 (safety analysis set); 40 patients were efficacy evaluable, defined as patients with ≥1 evaluable postbaseline tumor response assessment

• Median study follow-up time was 24.9 weeks (range 3.0-67.9), median age was 65.5 years (range 40-77), and 23.8% of patients were female

• Confirmed objective response rate (ORR) was 65.0% (95% confidence interval [CI]: 48.3, 79.4); antitumor activity is summarized in Table 1 • The duration of treatment and response is shown in **Figure 2** • Median progression-free survival (PFS) was 4.9 months (Figure 3)



## Safety

- All 42 patients experienced ≥1 treatment-emergent adverse event (TEAE), 25 (59.5%) had ≥grade 3 TEAEs, and 17 (40.5%) had serious TEAEs (Table 2)
- The most common (≥20%) TEAEs were anemia and neutrophil count decreased (both 54.8%), white blood cell count decreased (38.1%), platelet count decreased (26.2%), and constipation (23.8%)
  - Of the ≥grade 3 TEAEs, the most common (≥15%) were neutrophil count decreased (33.3%) and white blood cell count decreased (16.7%)
- Immune-mediated TEAEs were reported in 12 patients (28.6%), of which two (4.8%) were ≥grade 3
- Two patients (4.8%) died due to AEs (pneumonia [unrelated to treatment] and cardiac arrest; n=1 each)

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The combination of ociperlimab plus tislelizumab with cisplatin or carboplatin plus etoposide was generally well tolerated with an acceptable safety profile.

> In the ongoing phase 1/1b, open-label AdvanTIG-105 dose-escalation/expansion study (NCT04047862), ociperlimab plus tislelizumab showed preliminary antitumor activity and was well tolerated in patients with advanced solid tumors.<sup>7,10,11</sup>

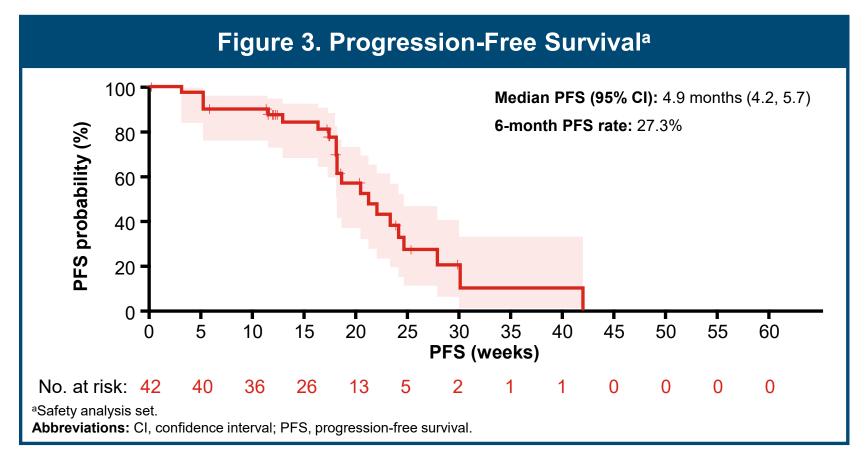


Table 2. Summary	of TEAEs <sup>a</sup>
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Patients, n (%)	Total (N=42)
Patients with ≥1 AE ≥Grade 3 Serious	42 (100.0) 25 (59.5) 17 (40.5)
AE leading to ociperlimab discontinuation	2 (4.8)
AE leading to tislelizumab discontinuation	2 (4.8)
AE leading to chemotherapy discontinuation	2 (4.8)
AE leading to death	2 (4.8)
Immune-mediated AE <sup>b</sup> ≥Grade 3	12 (28.6) 2 (4.8)

<sup>a</sup>Safety analysis set. <sup>b</sup>Immune-mediated adverse events are based on investigator's assessments. Abbreviations: AE, adverse event; TEAE, treatment-emergent adverse event.

Disclosures

JZ: AbbVie, AstraZeneca, Bayer, BeiGene, BioDesix, BMS, Cardinal Health, Daiichi Sankyo, Eli Lilly, Genentech, Hengrui, InnoCare Pharma, Merck, Mirati, MJH Life Sciences, Nexus Health, Nilogen, Novartis, Novocure, Regeneron, Sanofi, Takeda Oncology.

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