AdvanTIG-105: Phase 1b dose-expansion study of ociperlimab plus tislelizumab in patients with metastatic NSCLC

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Ociperlimab plus tislelizumab demonstrated antitumor activity as first-line treatment for patients with metastatic NSCLC with PD-L1 positive tumors (TC \geq 1%).

Antitumor activity was observed in patients with tumors with PD-L1 TC 1-49% and PD-L1 TC \geq 50%, with a higher response rate in patients with high PD-L1 TC \geq 50%.

NSCLC in China.6

The combination of ociperlimab plus tislelizumab had an acceptable safety profile, with most TEAEs being grade 1 or 2 in severity.

Background

Programmed cell death protein 1 (PD-1)/programmed death-ligand 1 (PD-L1) inhibitors have improved outcomes for patients with non-small cell lung cancer (NSCLC), however unmet needs remain.¹

200 mg IV Q3W in the dose-escalation part of the study7

Here we report data from the dose-expansion part (Cohort 3) of the

phase 1/1b AdvanTIG-105 study, in patients with metastatic NSCLC

Ociperlimab 900 mg

IV Q3W +

slelizumab 200 mg

Figure 1, AdvanTIG-105 study design (Cohort 3)

Key secondary endpoints:

Investigator-assessed PES

Correlation of PD-L1 expression

with efficacy endpoints

Abbreviations: ALK, anaplastic lymphoma kinase; DCR, disease control rate; DoR; duration of response;

EGFR, epidermal growth factor receptor; IV, intravenously; NSCLC, non-small cell lung cancer;

ORR, objective response rate; PD-L1, programmed death-ligand 1; PFS, progression-free survival;

Q3W, every three weeks; RECIST v1.1, Response Evaluation Criteria in Solid Tumors version 1.1;

DoR, and DCR per RECIST v1.1

Methods

(Figure 1)

nclusion criteria

NSCLC

Primary endpoint:

per RECIST v1.1

Metastatic squamous

or non-squamous

PD-L1 positive

ROS1 wild-type

No prior treatment fo

Investigator-assessed ORR *

ROS1, c-ros oncogene 1; TC, tumor cell.

aTC ≥1% by VENTANA PD-L1 (SP263) assay by central lab.

ECOG PS, Eastern Cooperative Oncology Group performance status;

metastatic disease ECOG PS 0-1

EGFR/ALK/



in NSCLC.2-4

The recommended phase 2 dose was ociperlimab 900 mg intravenously (IV) every three weeks (Q3W) plus tislelizumab

 As of April 5, 2022, 40 patients were enrolled in Cohort 3 and comprised the safety analysis set, who received at least one dose of the study drug

Inhibition of T-cell immunoreceptor with immunoglobulin and

immunoreceptor tyrosine-based inhibitory motif domains (TIGIT) in

combination with PD-1/PD-L1 inhibition has demonstrated early efficacy

- The median age was 65.0 years (range 46-81), and 32.5% of patients were female
- In total, 35.9% (14/39) of patients were PD-L1 TC ≥50%
- The median study follow-up was 28.1 weeks (range 3.1-61.7)

Efficacy

Continue until

progression

intolerable

toxicity, or

withdrawal of

consent

Key exploratory endpoint:

OS

- · In total, 39 patients were evaluable for efficacy
- The unconfirmed ORR was 53.8% (95% CI: 37.2, 69.9). In patients with PD-L1 TC 1-49% and PD-L1 TC ≥50% subgroups, the unconfirmed ORR was 44.0% and 71.4%, respectively (Table 1)
- The median DoR was not evaluable (NE) (Table 1), and the median PFS was 5.4 months (95% CI: 4.2, NE), with 5.2 months and 5.6 months in the PD-L1 TC 1-49% and PD-L1 TC ≥50% subgroups, respectively
- The best change in target lesions and the duration of treatment and response are shown in Figures 2 and 3, respectively

Safety

The safety profiles of ociperlimab and tislelizumab are shown in Table 2

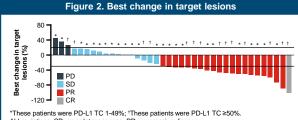
Table 1. Summary of antitumor activity PD-L1 TC 1-49% PD-L1 TC ≥50% Total (N=39) (n=25) (n=14) Unconfirmed ORR, n (%) 11 (44.0) 10 (71.4) 21 (53.8) (95% CI) (24.4, 65.1) (41.9, 91.6) (37.2, 69.9) Unconfirmed BOR, n (%)^a CR 0 (0) 1(7.1)1(2.6)PF 11 (44.0) 9 (64.3) 20 (51.3) SD 11 (44.0) 3 (21.4) 14 (35.9) PD 2 (8.0) 1 (7.1) 3 (7.7) DCR, n (%)b 22 (88.0) 13 (92.9) 35 (89.7) Median DoR. months NE (2.2, NE) NE NE (4.2, NE) (95% CI)^b

Ociperlimab is a humanized Fc-intact IgG1 monoclonal antibody

(mAb) designed to bind to TIGIT with high specificity and affinity.⁵

Tislelizumab is an anti-PD-1 mAb approved for the treatment of

*One patient in the PD-L1 1-49% group was NE. This patient had symptoms which were assessed as disease progression, but was not considered to have radiological progression, *Confirmed. 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; PD-L1, programmed-death ligand 1; PR, partial response; SD, stable disease; TC, turnor cell.



Abbreviations: CR, complete response; PD, progressive disease; PD-L1, programmed death-ligand 1; PR, partial response; SD, stable disease; TC, tumor cell. In the ongoing phase 1/1b, open-label AdvanTIG-105 dose-escalation/-expansion (NCT04047862) study, ociperlimab plus tislelizumab was well tolerated in patients with advanced, unresectable solid tumors.⁷

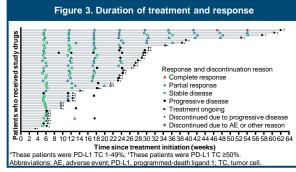


Table 2. Summary of TEAEs and TRAEs (safety analysis set)

	N=40	
Patients, n (%)	TEAEs	TRAEs
Patients with at least one AE	38 (95.0) ^a	31 (77.5)
≥ Grade 3 AE	11 (27.5) ^b	4 (10.0)°
Serious AE	10 (25.0)	4 (10.0)
AE leading to ociperlimab dose modification	17 (42.5)	-
AE leading to tislelizumab dose modification	17 (42.5)	-
AE leading to ociperlimab discontinuation	3 (7.5)	1 (2.5)
AE leading to tislelizumab discontinuation	3 (7.5)	1 (2.5)
AE leading to death	1 (2.5)	0 (0)
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^aThe most common TEAEs were pruritus (32.5%), pyrexia (30.0%), decreased appetite (20.0%), rash (20.0%), anemia (17.5%), nausea (17.5%), and dyspnea (17.5%); ^bThe most common 2 grade 3 TEAEs were pneumonia (7.5%) and anemia (5.0%); ^bThe TRAEs were hyperglycemia, lipase increased, pruritis, acute kidney injury, and pneumonia. Abbreviations: AE, adverse event; TEAE, treatment-emergent adverse event; TRAE, treatment-related adverse event.

References

1. De Giglio A, et al. Current Onc Rep. 2021;23:125: 2 Rodriguez-Abreu D, et al. J Clin Oncol. 2020 (Abs 9503) [presented at ASCO 2020]; A. Jhu J, et al. Ann Oncol. 2020 (Abs 1400P) [presented at ESMO 2020]; 4. Ahm N-J, et al. Ann Oncol. 2020 (Abs 1400P) [presented at ESMO 2020]; 5. Chen X, et al. Data presented at ASCA 2021. Poster 1854; 6. BeiGene. China NMPA approves tiselizumab as second- or third-line treatment for patients with locally advanced or metastatic non-small cell lung cancer. Available at https://tid=3837eaa-356-3589-560-26015371254. Accessed March 2022; 7. Frenzes S, et al. J Clin Oncol 2020 (Abs 1500) [presented at ASCO 2021].

Safety

Acknowledgments Disclosures

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Poster recording