

## **AdvanTIG-105: Phase 1b Dose-Expansion Study of Ociperlimab plus Tislelizumab With Chemotherapy in Patients With Metastatic Squamous and Nonsquamous Non-Small Cell Lung Cancer**

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### **Abstract:**

**Objectives:** T-cell immunoreceptor with immunoglobulin and immunoreceptor tyrosine-based inhibitory motif domains (TIGIT) inhibitor plus an anti-programmed cell death protein 1 (PD-1) antibody is a promising combination which shows potent efficacy in solid tumors. AdvanTIG-105 is a phase 1/1b open-label study designed to assess the safety and preliminary antitumor activity of ociperlimab, an anti-TIGIT monoclonal antibody (mAb), plus tislelizumab, an anti-PD-1 mAb, in patients with metastatic unresectable solid tumors (NCT04047862). In the dose-escalation part, ociperlimab plus tislelizumab was well tolerated, preliminary efficacy was observed, and the recommended phase 2 dose (RP2D) of ociperlimab 900 mg intravenous (IV) every 3 weeks (Q3W) plus tislelizumab 200 mg IV Q3W was established. We report results from the dose-expansion (Cohorts 1 [C1] & 2 [C2]) of the AdvanTIG-105 study.

**Methods:** Treatment-naïve adult patients with histologically/cytologically confirmed metastatic squamous (C1) or nonsquamous with *EGFR/ALK/ROS-1* wild-type tumors (C2) non-small cell lung cancer (NSCLC) were enrolled. Patients in C1 received the RP2D of ociperlimab plus tislelizumab with paclitaxel/*nab*-paclitaxel plus carboplatin and patients in C2 received the RP2D of ociperlimab plus tislelizumab with pemetrexed plus cisplatin/carboplatin, both until disease progression, intolerable toxicity, or withdrawal of consent. The primary endpoint was investigator-assessed objective response rate (ORR) per RECIST v1.1. Secondary endpoints included safety.

**Results:** As of March 18, 2022, 84 patients were enrolled (C1: n=41; C2: n=43). The median study follow-up was 17.7 weeks (range 1.1-42.6) in C1 and 15.0 weeks (3.0-51.1) in C2. Of the 76 efficacy-evaluable patients, the confirmed ORR in C1 was 45.9% (95% confidence interval [CI]: 0.3, 0.6) and 25.6% (95% CI: 0.1, 0.4) in C2. In total, 81 patients (96.4%) experienced  $\geq 1$  treatment-emergent adverse event (TEAE), and 48 patients (57.1%) had  $\geq$  grade 3 TEAEs. Serious TEAEs occurred in 26 patients (31.0%). The most common TEAEs were anemia (41.7%), decreased neutrophil count (33.3%), and decreased white blood cell count (33.3%).

**Conclusions:** The RP2D of ociperlimab 900 mg IV Q3W and tislelizumab 200 mg IV Q3W plus chemotherapy was generally well tolerated and showed antitumor activity in patients with treatment-naïve metastatic squamous/nonsquamous NSCLC.