# RATIONALE 307: Tislelizumab plus chemotherapy versus chemotherapy alone as first-line treatment for 

 advanced squamous non-small cell lung cancer in patients who were smokers versus non-smokers
## Xinmin Yu**, Jie Wang, ${ }^{2}$ Shun Lu ${ }^{3}$ Jun Zhao, ${ }^{4}$ Yan Yu, ${ }^{5}$ Chunhong Hu, ${ }^{6}$ Guosheng Feng, ${ }^{7}$ Kejing Ying, ${ }^{8}$ Wu Zhuang, ${ }^{\text {, Jiany }}$,




Poster No. 4053


At data cut-off on December 6, 2019, a total of 129 patients remained on treatment, of whom 108 ( $83.7 \%$ ) patients were smokers and 21 (16.3\%) patients were non-smokers
The most common reasons for treatment discontinuation for patien who were smokers were complete chemotherapy (22.3\%) and
progressive disease (18.9\%)
The most common reasons for treatment discontinuation for patients who were non-smokers were complete chemotherapy $(25.4 \%)$ and
progressive disease $(20.3 \%)$ progressive disease (20.3\%)

## Efficacy

Progression-free survival (PFS) by independent review committee (IRC was longer in Arms A and B compared with Arm C, regardless of In patients who were sm

76 months in Amers, median PFS by IRC was:
7.6 months in Arm A vs 5.5 months in Arm C (HR: 0.534
$95 \% \mathrm{Cl}, 0.363,0.786$ )
7.6 months in Arm B vs 5.5 months in Arm C (HR: 0.556
$95 \% \mathrm{Cl}, 0.384,0.803$ )
In patients who were non-smokers, median PFS by IRC was
7.5 months in Arm A vs 5.4 months in Arm C (HR: 0.475
$95 \% \mathrm{Cl}, 0.226,1.000$ )
Non-evaluable (NE) in Arm B vs 5.4 months in Arm C (HR The objective response rates
smokers or non-smokers are shown in por patients who were
smoking status, ORR was higher with tislelizardess of
chemotherapy vs chemotherapy aloner with tislelizumab plus

The median duration of response (DOR) for patiens who were smots non-smokers are shown in Table
Table 2. Disease response and DoR by IRC in patients who were smokers or non-smokers (ITT analysis set)


Safety
The safety profile of tislelizumab plus chemotherapy and chemotherapy alone in patients who were smokers
overall patient population (Table 3)
Regardless of mokin (Thers, emergent adverse event (TEAE)
fhe patients who were smokers, $90.6 \%$ and $85.8 \%$ experience
of the patients who were non-smokers $79.2 \%$ and $91.7 \%$ experienced Grade $\geq 3$ TEAEs in Arms A and B, respectively, vs $69.6 \%$ in Arm C

Treatment-related adverse events (TRAEs) occurring in $\geq 20 \%$ of patients in any treatment group are listed in Table 4
Confirmed immune-mediated TEAEs were reported in $30(31.3 \%)$ patients Arm A and 34 (32.1\%) patients in Arm B for smokers, and 7 (29.2\%) patients in Arm A and $1(8.3 \%$ ) patient in Arm B for non-smokers Most were mild or moderate treatment component
The most common
The most common immune-mediated TEAE of any grade was hypothyroidism ( 11 patients [11.5\%] in Arm A; 14 patients [13.2\%] in Arm
B) in the smoker population, and rash (3 patients [12.5\%] in Arm A; 0 patients $[0.0 \%$ ] in Arm B) in the non-smoker population
Table 3. Overall summary of AEs in patients who were smokers or non-smokers (safety analysis set)


 (safety analysis set)


Unatimentrebatod adowess
References
Ren
Acknowledgements

