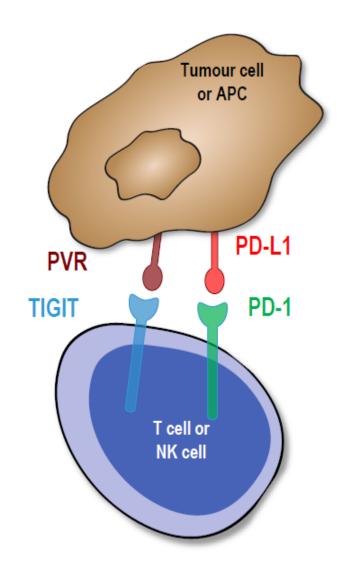
Updated analysis and patient-reported outcomes from CITYSCAPE: a randomised, double-blind, Phase II study of the anti-TIGIT antibody tiragolumab + atezolizumab vs placebo + atezolizumab as first-line treatment for PD-L1+ NSCLC

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Background

- TIGIT (T cell immunoreceptor with Ig and ITIM domains) is a novel inhibitory immune checkpoint
 present on activated T cells and NK cells in multiple cancers.^{1–3} TIGIT expression correlates with
 PD-1, especially in tumour-infiltrating T cells
- Tiragolumab is a fully human IgG1/kappa anti-TIGIT monoclonal antibody with an intact Fc region that blocks the binding of TIGIT to its receptor PVR
- We hypothesise that anti-TIGIT antibodies, such as tiragolumab, could restore the anti-tumour response and may amplify the activity of anti-PD-L1/PD-1 antibodies
- CITYSCAPE (NCT03563716) is the first randomised Phase II study of an anti-TIGIT antibody.
 At the primary analysis, tiragolumab + atezolizumab showed a clinically meaningful improvement in ORR and PFS in the ITT population compared with atezolizumab monotherapy. This was maintained after a further 5 months of follow-up, with a greater magnitude of improvement seen in the PD-L1 TPS ≥50% subgroup⁴
- Tiragolumab has been granted Breakthrough Therapy Designation (BTD) by the US FDA, in combination with atezolizumab for first-line treatment of patients with metastatic NSCLC whose tumours have high PD-L1 expression with no EGFR or ALK genomic tumour aberrations
- Here, we present an updated analysis with ~30 months of follow-up, including OS, updated PFS
 and safety analyses and patient-reported outcomes (PROs)



CITYSCAPE: randomised Phase II study of tiragolumab + atezolizumab in PD-L1+ patients with NSCLC

1L Stage IV NSCLC

- EGFR/ALK wild-type
- Tumour PD-L1 TPS ≥1% by 22C3 IHC by local or central assay

N = 135

Tiragolumab 600 mg IV Q3W + Atezolizumab 1200 mg IV Q3W + Atezolizumab 1200 mg IV Q3W + Atezolizumab 1200 mg IV Q3W

Stratification factors

- PD-L1 TPS (1–49% vs ≥50%)
- Histology (non-squamous vs squamous)
- Tobacco use (yes vs no)

Co-primary endpoints

ORR and PFS

Key secondary endpoints

· Safety, DOR, OS

Exploratory endpoints

 Efficacy analysis by PD-L1 status, PROs

Primary analysis¹

- Cut-off date of 30 June 2019
- Median follow-up of 5.9 months

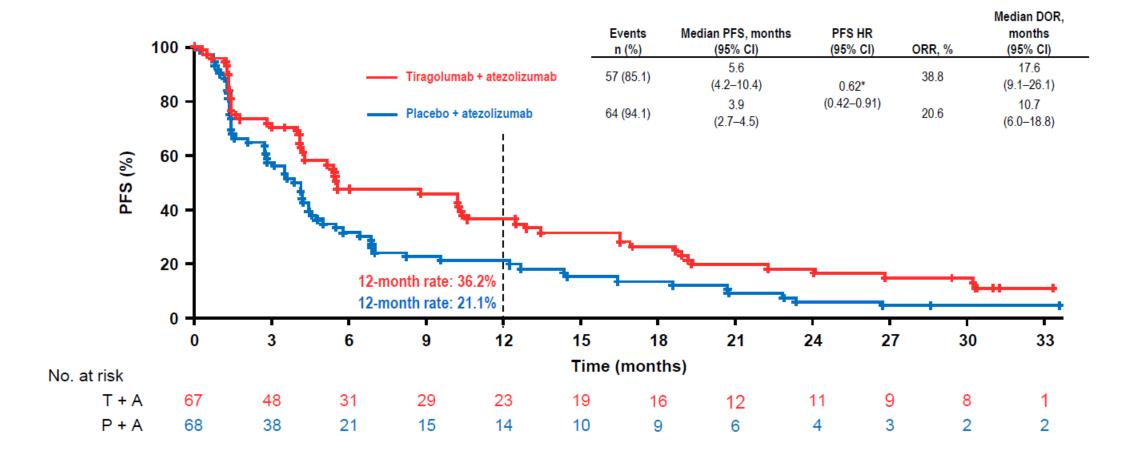
Updated analysis

- Follow-up performed to assess safety and efficacy
- Cut-off date of 16 August 2021
- · Median follow-up of 30.4 months

Baseline characteristics (ITT population)

n, (%)	Tiragolumab + atezolizumab (n=67)	Placebo + atezolizumab (n=68)
Age <65 years	28 (41.8)	28 (41.2)
Male	39 (58.2)	48 (70.6)
White	42 (62.7)	40 (58.8)
Asian	18 (26.9)	23 (33.8)
ECOG PS 0	20 (29.9)	19 (27.9)
Never used tobacco*	7 (10.4)	7 (10.3)
Non-squamous histology*	40 (59.7)	40 (58.8)
PD- L1 TPS ≥50%*	29 (43.3)	29 (42.6)
PD-L1 TPS 1-49%*	38 (56.7)	39 (57.4)

Investigator-assessed PFS: ITT population

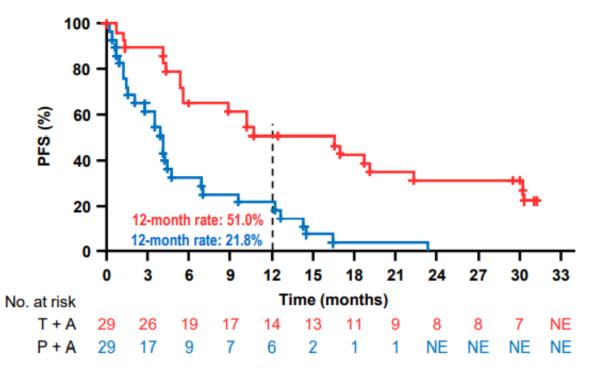


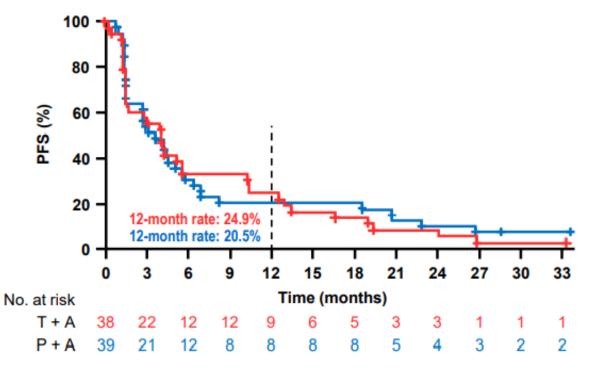
Investigator-assessed PFS: PD-L1 subgroups

PD-L1 TPS ≥50% (n=58)

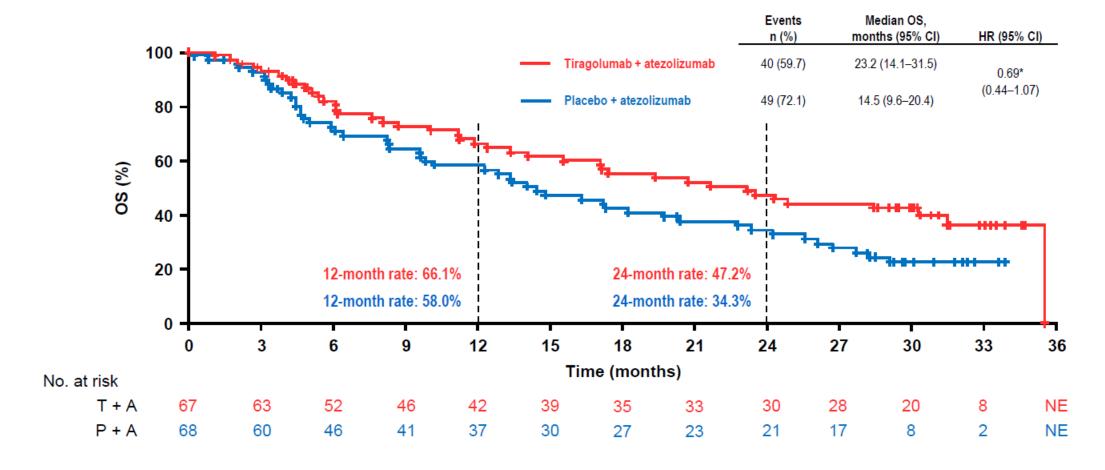
PD-L1 TPS 1-49% (n=77)

	Events n (%)	Median PFS, months (95% CI)	PFS HR (95% CI)	ORR, %	Median DOR, months (95% CI)		Events n (%)	Median PFS, months (95% CI)	PFS HR (95% CI)	ORR, %	Median DOR, months (95% CI)
Tira + atezo	21 (72.4)	16.6 (5.5-22.3)	0.29*	69.0	15.7 (9.1-NE)	Tira + atezo	36 (94.7)	4.0 (1.6-5.6)	1.07*	15.8	17.8 (8.3-24.2)
Placebo + atezo	28 (96.6)	4.1 (2.1-6.8)	(0.15-0.53)	24.1	8.2 (5.6-10.4)	Placebo + atezo	36 (92.3)	3.6 (1.4-5.5)	(0.67–1.71)	17.9	18.8 (15.9-22.8)

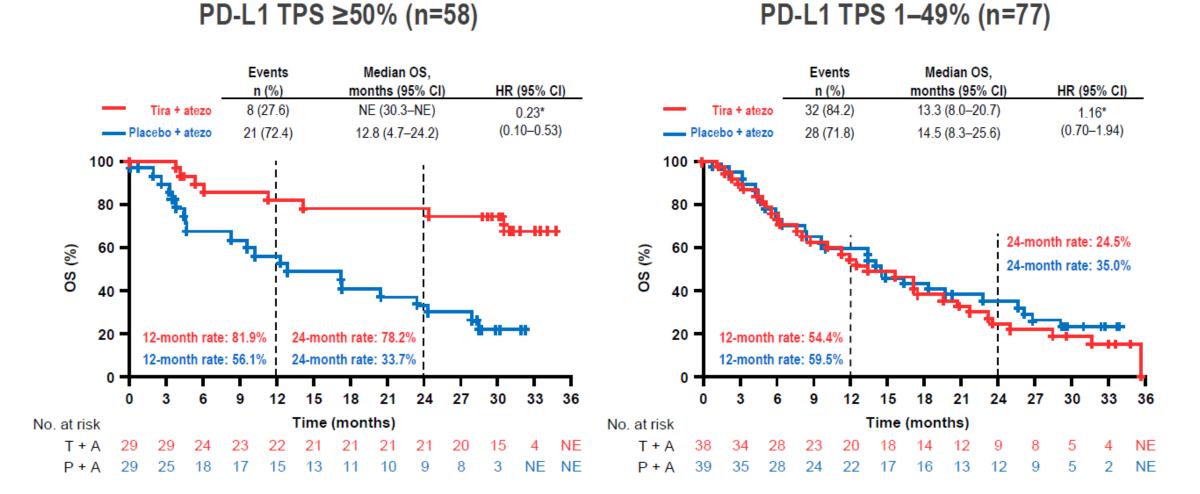




Overall survival: ITT population



Overall survival: PD-L1 subgroups

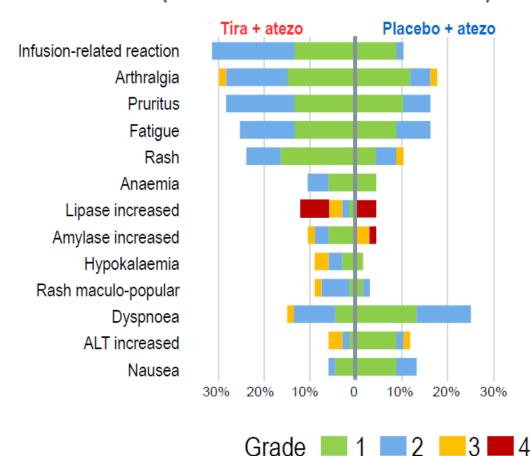


Safety overview

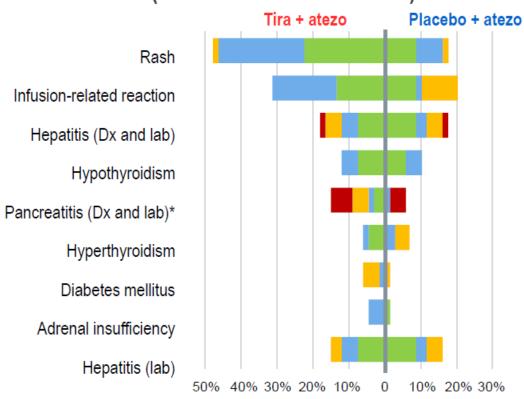
	Tiragolumab + atezolizumab	Placebo + atezolizumab
	(n=67)	(n=68)
Median treatment duration, months	4.99	2.81
_(min-max)	(0-34.5)	(0-30.3)
Any-cause AEs, n (%)	66 (98.5)	66 (97.1)
Grade 3–4 AEs	35 (52.2)	27 (39.7)
Grade 5	3 (4.5)	7 (10.3)
Serious AEs	35 (52.2)	28 (41.2)
Treatment-related AEs, n (%)	55 (82.1)	48 (70.6)
Grade 3–4 AEs	15 (22.4)	17 (25.0)
Grade 5*	2 (3.0)	0
Serious AEs	14 (20.9)	12 (17.6)
Immune-mediated AEs, n (%)	51 (76.1)	32 (47.1)
Grade 3–4	13 (19.4)	11 (16.2)
AEs leading to dose modification/interruption, n (%)	33 (49.3)	24 (35.3)
AEs leading to treatment withdrawal, n (%)	10 (14.9)	9 (13.2)

Incidence of AEs overview

All cause AEs (>5% difference between arms)

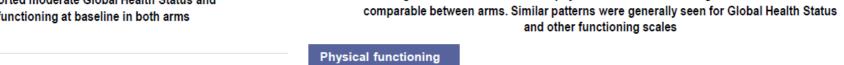


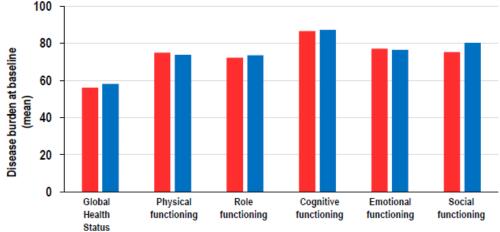
Immune-mediated AEs (>5% in at least one arm)

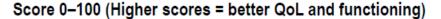


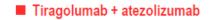
Patient-reported outcomes assessed by EORTC QLQ-C30 – Global Health Status and functioning

Patients generally reported moderate Global Health Status and moderately high functioning at baseline in both arms

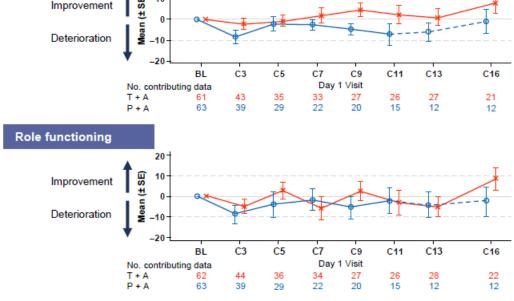








Placebo + atezolizumab



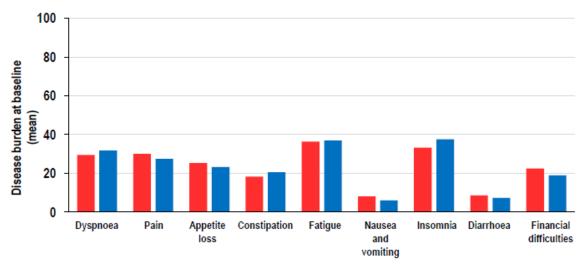
Changes from baseline scores of physical and role functioning were maintained and

Note 1 - At baseline, patients in both arms had over 92% completion rates (as defined by patients who answered at least one question of the EORTC QLQ-C30)

Note 2 - A ≥10-point change in the EORTC scale score is perceived as clinically significant (Osaba et al. 1998); Note 3 - Completion rates (as defined by patients who answered at least one question of the EORTC QLQ-C30) were ≥80% up to Cycle 16 in both arms, and remained ≥75% at most of study visits; Note 4 - Interpretation of change from baseline

Patient-reported outcomes assessed by EORTC QLQ-C30 – lung cancer-related symptoms

Patients generally reported minimal-to-moderate symptom burden at baseline, comparable between arms

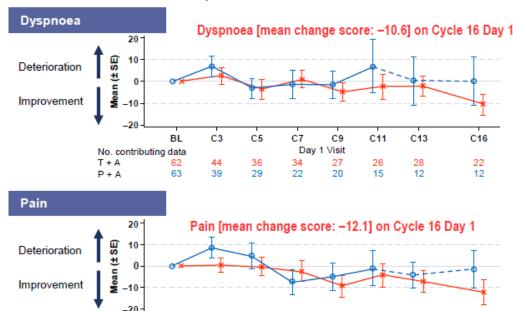


Score 0–100 (Higher scores = greater symptom severity)

■ Tiragolumab + atezolizumab

■ Placebo + atezolizumab

Lung cancer-related symptom burden remained minimal-to-moderate over time in patients treated with tiragolumab + atezolizumab. Other symptoms showed similar patterns at most of these visits



C11

26

Dav

27

C13

28

12

C16

22

Note 1 - At baseline, patients in both arms had over 92% completion rates (as defined by patients who answered at least one question of the EORTC QLQ-C30)

Note 2 - A ≥10-point change in the EORTC scale score is perceived as clinically significant (Osaba et al. 1998); Note 3 - Completion rates (as defined by patients who answered at least one question of the EORTC QLQ-C30) were ≥80% up to Cycle 16 in both arms, and remained ≥75% at most of study visits; Note 4 - Interpretation of change from baseline

No. contributing data

BL

C3

CONCLUSIONS

- At this updated analysis, tiragolumab + atezolizumab provided a clinically meaningful improvement in PFS, ORR and OS in the ITT population compared with placebo + atezolizumab
- With ~30 months of follow-up, the median OS was not reached in the PD-L1 TPS ≥50% subgroup. Consistent with the
 primary analysis, this subgroup achieved the greatest clinical benefit
- Tiragolumab + atezolizumab was well-tolerated. Following longer follow-up, no new safety signals were observed with the combination of tiragolumab + atezolizumab
- Patients generally maintained their baseline Global Health Status/QoL and functioning scores in both arms over time
- Lung cancer-related symptom burden remained minimal-to-moderate over time in patients treated with tiragolumab + atezolizumab
- Durable response and encouraging OS continue to support evaluating tiragolumab + atezolizumab as a chemotherapy-free
 regimen in metastatic PD-L1-high NSCLC. The observed activity and safety is to be confirmed in an ongoing Phase III study
 (SKYSCRAPER-01) in first-line PD-L1 TPS ≥50% NSCLC (NCT04294810)