

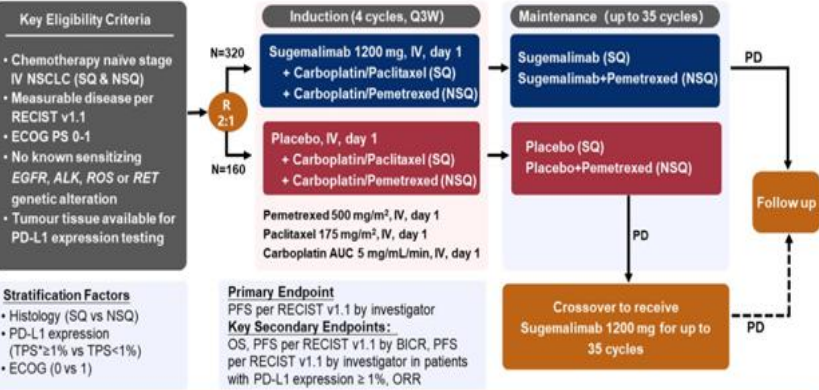
Innovaciones inmunoterapia CPNCP avanzado

Manuel Cobo
H RU Málaga

Inmunoterapia en CPNCP avanzado 1º linea

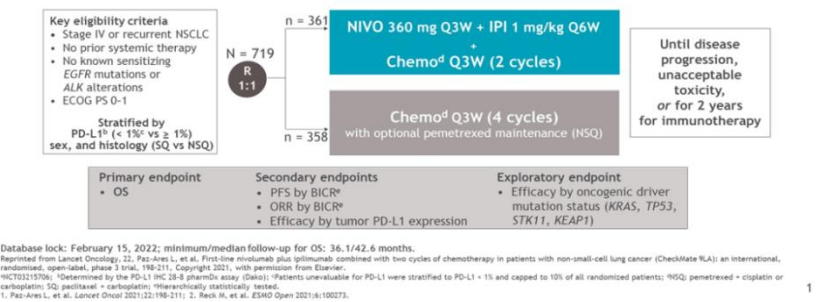


Figure 1. Study Design and Statistical Considerations of GEMSTONE-302



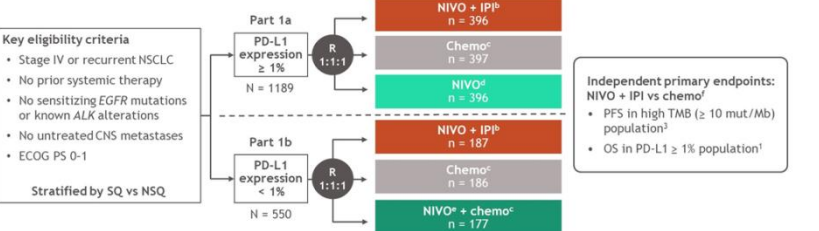
First-line nivolumab + ipilimumab + 2 cycles of chemotherapy vs chemotherapy alone (4 cycles) in patients with metastatic non-small cell lung cancer: 3-year update from CheckMate 9LA

- In the randomized phase 3 CheckMate 9LA study, 1L NIVO + IPI + 2 cycles of chemo significantly improved OS vs chemo alone (4 cycles), with no new safety signals, in patients with metastatic NSCLC^{1,2}
- Here, we present updated efficacy and safety results from CheckMate 9LA with a minimum follow-up of 3 years, and an exploratory analysis of OS by oncogenic driver mutation status



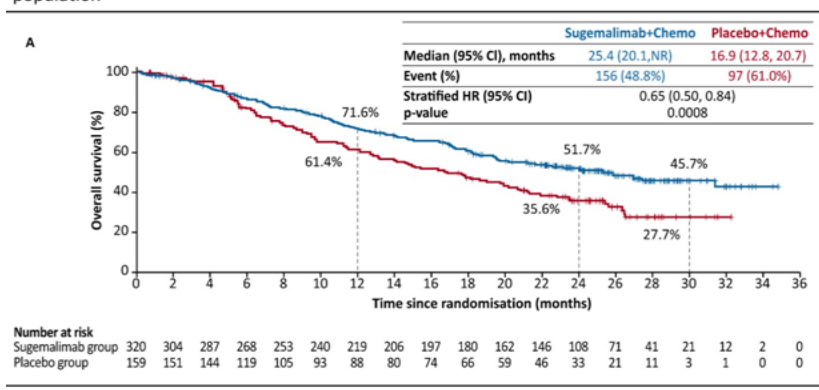
Five-year survival outcomes with nivolumab + ipilimumab vs chemotherapy as first-line treatment for metastatic non-small cell lung cancer: results from CheckMate 227

- In CheckMate 227 Part 1, 1L NIVO + IPI demonstrated long-term, durable survival benefit versus platinum-doublet chemo in patients with metastatic NSCLC regardless of tumor PD-L1 expression level^{1,2}
- Here, we present the 5-year update of CheckMate 227 Part 1, the longest reported follow-up (minimum 61.3 months) of a phase 3 trial of L combination immunotherapy in metastatic NSCLC

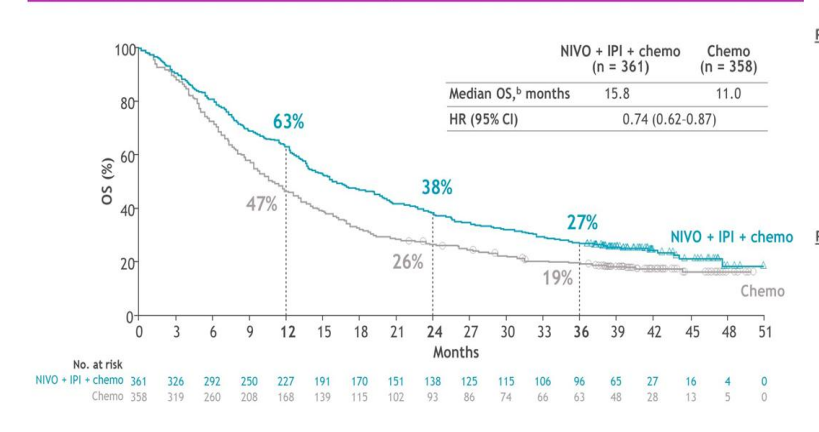


Treatment was continued until disease progression, unacceptable toxicity, or for 2 years for immunotherapy. NIVO (3 mg/kg Q2W); IPI (1 mg/kg Q3W); NSQ: pembrolizumab or nivolumab; SQ: nivolumab with optional pembrolizumab maintenance following NIVO + chemo; SQ: gemtuzumab + cisplatin, or gemtuzumab + carboplatin, or carboplatin, Q3W for 4 cycles; NIVO (240 mg Q3W); IPI (1 mg/kg Q3W). Both endpoints were met; results were previously reported.

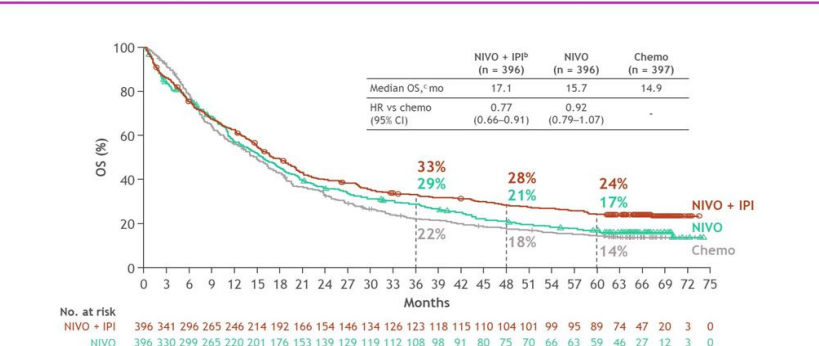
Figure 2. Overall Survival (A) Kaplan-Meier estimates of overall survival in the intent-to-treat (ITT) population



3-year update: OS in all randomized patients^a



5-year OS in patients with tumor PD-L1 ≥ 1%^a

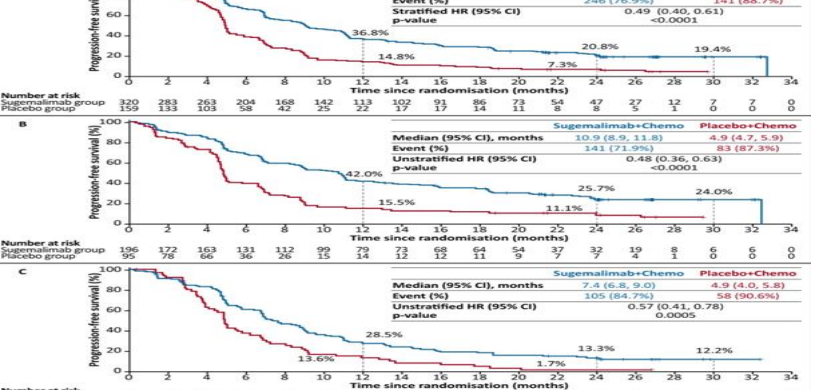


Database lock: February 15, 2022; minimum/median follow-up for OS: 61.3/66.7 months.

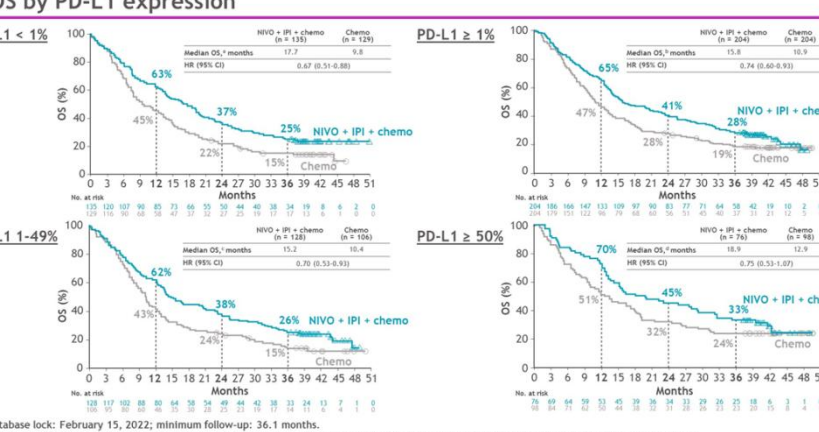
^aIn patients with PD-L1 ≥ 1% with a PFS event (per BICR), subsequent systemic therapy was received by 34% in the NIVO + IPI arm, 46% in the NIVO arm, and 48% in the chemo arm; subsequent immunotherapies by 8%, 5%, and 33%; subsequent chemo by 43%, 37%, and 33%, respectively. ^bNIVO + IPI vs NIVO HR was 0.84 (95% CI, 0.72-0.99). ^cMedian OS 95% CI are 14.95-20.17 (NIVO + IPI), 13.27-18.14 (NIVO), and 12.71-16.72 (chemo).

BICR, blinded independent central review.

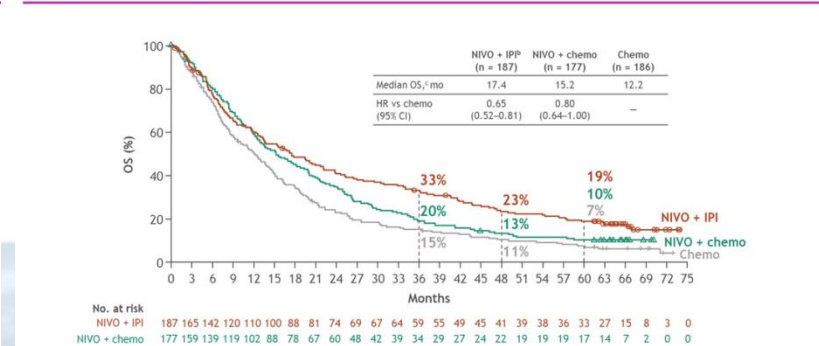
With PD-L1 < 1%.



OS by PD-L1 expression



5-year OS in patients with tumor PD-L1 < 1%^a



Database lock: February 15, 2022; minimum/median follow-up for OS: 61.3/66.7 months.

^aIn patients with PD-L1 < 1% with a PFS event (per BICR), subsequent systemic therapy was received by 44% in the NIVO + IPI arm, 39% in the NIVO + chemo arm, and 48% in the chemo arm; subsequent immunotherapies by 8%, 5%, and 33%; subsequent chemo by 43%, 37%, and 33%, respectively. ^bNIVO + IPI vs NIVO + chemo HR was 0.80 (95% CI, 0.63-1.00). ^cMedian OS 95% CI are 13.21-22.29 (NIVO + IPI), 12.29-19.78 (NIVO + chemo), and 9.17-14.32 (chemo).

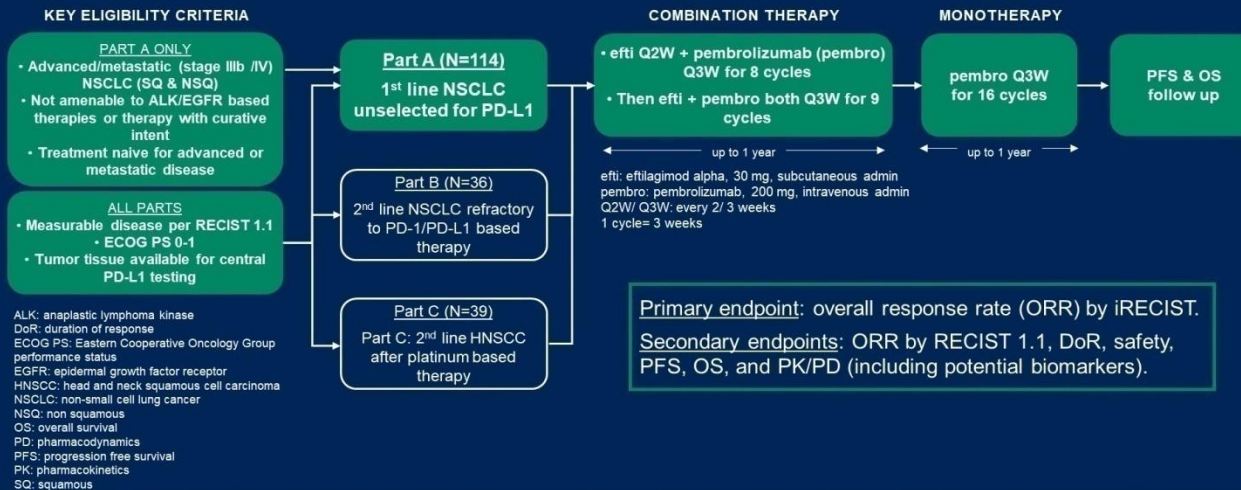
A Phase II study (TACTI-002) in 1st line metastatic non-small cell lung cancer (NSCLC) investigating eftilagimod alpha (soluble LAG-3 protein) and pembrolizumab: updated results from a PD-L1 unselected population

E Felip¹, M Majem², B Doger³, T Clay⁴, E Carcereny⁵, I Bondarenko⁶, J Peguero⁷, M Cobo Dols⁸, M Forster⁹, G Urso¹⁰, E Kalinka¹¹, G Garcia Ledo¹², L Vila Martinez¹³, MG Krebs¹⁴, W Iams¹⁵, B Campos Balea¹⁶, C Mueller¹⁷, and F Triebel¹⁸

Affiliates: ¹Vall d'Hebron University Hospital and Vall d'Hebron Institute of Oncology, Barcelona, Spain; ²Hospital de la Santa Creu i Sant Pau, Barcelona, Spain; ³Fundación Jiménez Díaz, Madrid, Spain; ⁴St John of God Subiaco Hospital, Perth, Australia; ⁵Catalan Institute of Oncology Badalona-Hospital Germans Trias i Pujol, B-ARGO group, Badalona, Spain; ⁶City Clinical Hospital № 4 of Dnipro Regional Council, Dnipro, Ukraine; ⁷Oncology Consultants, P.A., Houston, USA; ⁸Hospital Regional Universitario de Málaga - Hospital General, Málaga, Spain; ⁹UCL Cancer Institute/ University College London Hospitals NHS Foundation, London, UK; ¹⁰St. Luke's Hospital- Medical and Diagnostic Center "Acinus", Kropyvnytskyi, Ukraine; ¹¹Instytut Centrum Zdrowia Matki Polki, Lodz, Poland; ¹²HM Universitario Sanchinarro, Madrid, Spain; ¹³Parc Tauli Sabadell Hospital Universitari, Barcelona, Spain; ¹⁴Division of Cancer Sciences, The University of Manchester and The Christie NHS Foundation Trust, Manchester, UK; ¹⁵Vanderbilt Ingram Cancer Center Division of Hematology/Oncology, Tennessee, United States; ¹⁶Hospital Lucus Augusti, Lugo, Spain; ¹⁷Clinical Development, Immuteq GmbH, Berlin, Germany; ¹⁸Research & Development, Immuteq S.A.S., Orsay, France.

Trial Design – TACTI-002

TACTI-002 is a Phase II, multinational, open label trial with patients from 3 indications unselected for PD-L1.



Efficacy – ORR¹ & DCR¹ by iRECIST/RECIST 1.1 – TACTI-002

N = 114

- ORR (iRECIST - primary endpoint) of 38.6% (95% CI: 29.6-48.2) in the ITT.
- ORR (RECIST 1.1) 37.7% (95% CI: 28.8-48.3) in the ITT.
- ORR of 42.7% (iRECIST) and 41.8% (RECIST 1.1) in the EVAL⁴ population.

Response (Local investigator read, unconfirmed)	iRECIST n (%), N=114	RECIST 1.1 n (%), N=114
Complete Response	2 (1.8)	2 (1.8)
Partial Response	42 (36.8)	41 (36.0)
Stable Disease	40 (35.1)	39 (34.2)
Progression	19 (16.7)	21 (18.4)
Not Evaluable ²	11 (9.6)	11 (9.6)
ORR, (ITT=114); [95% CI] ³	44 (38.6); [29.6-48.2]	43 (37.7); [28.8-48.3]
DCR (ITT=114); [95% CI] ³	84 (73.7); [64.6-81.5]	82 (71.9); [62.7-80.0]
ORR (EVAL ⁴ =103); [95% CI] ³	44 (42.7) [33.0-52.9]	43 (41.8); [32.1-51.9]
DCR (EVAL ⁴ =103); [95% CI] ³	84 (81.5); [72.7-88.5]	82 (79.6); [70.5-86.9]

¹ local investigator read, unconfirmed.

² patients with no on-study post baseline tumor staging for any reason.

³ 95% CIs calculated using Clopper-Pearson method.

⁴ all patients with ≥1 on-study post baseline tumor staging.

ITT: intention-to-treat population

EVAL: evaluable population

Data cut-off date: April 15, 2022

Efficacy – ORR¹ by PD-L1 status & tumor type – TACTI-002

Tumor Response by central PD-L1 status (iRECIST, unconfirmed)², N=87

Tumor Response, N=87	PD-L1 <1%, n (%), N=32	PD-L1 1-49%, n (%), N=36	PD-L1 ≥50%, n (%), N=19	PD-L1 ≥1%, n (%), N=55	PD-L1 <50%, n (%), N=68
ORR	9 (28.1)	15 (41.7)	10 (52.6)	25 (45.5)	24 (35.3)
[95% CI] ⁴	[13.8-46.8]	[25.5-59.2]	[28.9-75.6]	[32.0-59.5]	[24.1-47.8]
DCR	22 (68.8)	28 (77.8)	15 (79.0)	43 (78.2)	50 (73.5)
[95% CI] ⁴	[50.0-83.9]	[60.9-89.9]	[54.4-94.0]	[65.0-88.2]	[61.4-83.5]

Tumor Response by central & local PD-L1 status (iRECIST, unconfirmed)³, N=108

Tumor response, N=108	PD-L1 <1%, n (%), N=37	PD-L1 1-49%, n (%), N=40	PD-L1 ≥50%, n (%), N=31	PD-L1 ≥1%, n (%), N=71	PD-L1 <50%, n (%), N=77
ORR	9 (24.3)	16 (40.0)	16 (51.6)	32 (45.1)	25 (32.5)
[95% CI] ⁴	[11.8-41.2]	[24.9-56.7]	[33.1-69.9]	[33.2-57.3]	[22.2-44.1]
DCR	26 (70.3)	30 (75.0)	24 (77.4)	54 (76.1)	56 (72.7)
[95% CI] ⁴	[53.2-84.1]	[58.8-87.3]	[58.9-90.4]	[64.5-85.4]	[61.4-82.3]

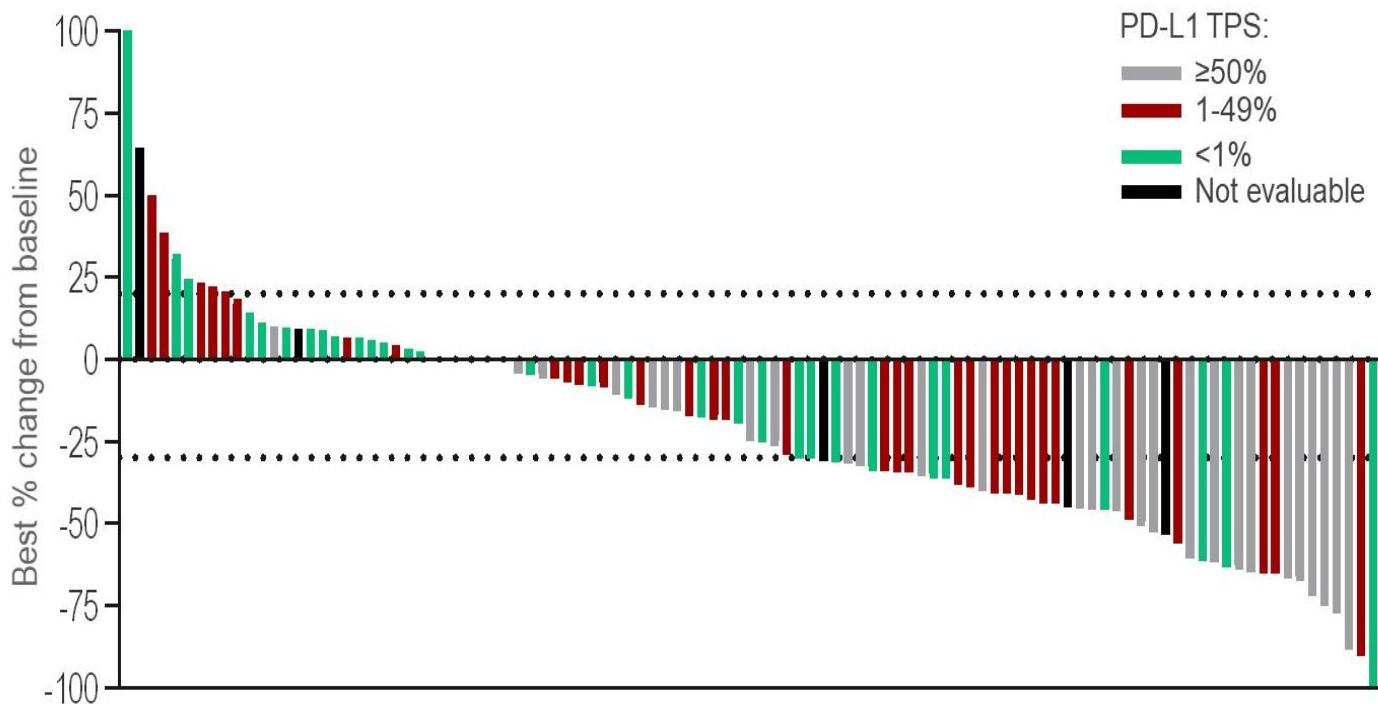
¹ iRECIST, unconfirmed

² Central assessment of PD-L1 TPS using Dako PD-L1 IHC 22C3 pharmDx for 87 patients.

³ Central assessment as per footnote 1 for 87 patients. For 21 patients, local assessment was used due to non evaluable central assessment results.

⁴ 95% CIs calculated using Clopper-Pearson method.

Data cut-off date: April 15, 2022



¹ all patients with ≥1 post-baseline CT scan n=103; ²PD-L1 assessed by central assessment (Dako kit); n=79; ³local assessment included due to non evaluable central assessment results, n=19; ⁴ no results available for neither central nor local testing, n=5.

- 2 complete responses and 19.4% of patients with a target lesion decrease ≥50%.
- 68/103 (66.0%) of patients with a post-baseline assessment had a decrease in target lesions.

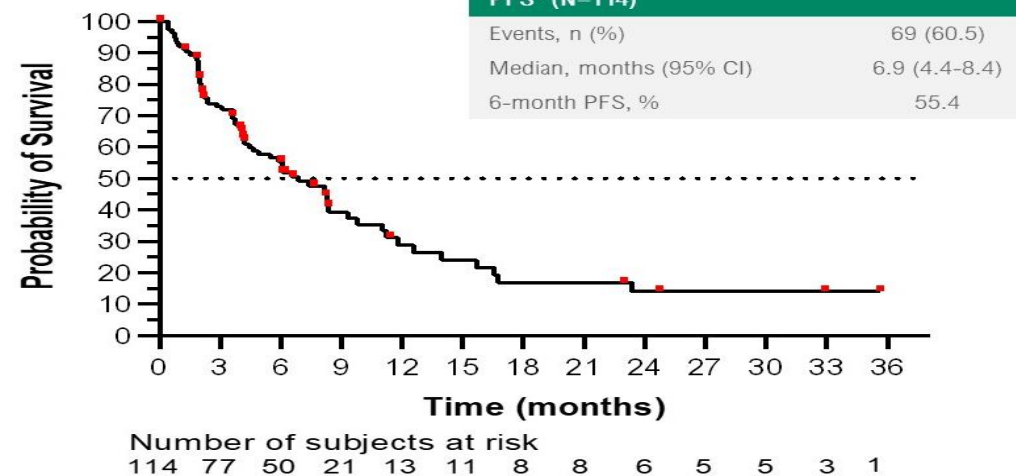
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PRESENTED BY:

Enriqueta Felip, A Phase II study (TACTI-002) in 1st line metastatic NSCLC investigating eftilagimod alpha (soluble LAG-3 protein) and pembrolizumab: updated results from a PD-L1 unselected population

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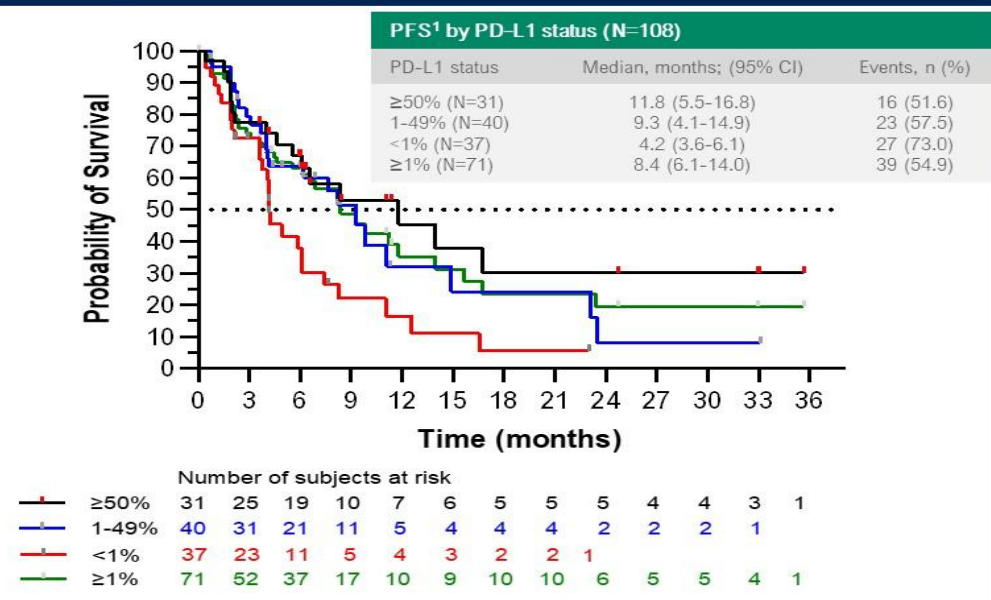
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Interim median PFS¹ in the ITT (unselected for PD-L1) was 6.9 (95% CI: 4.4.-8.4) months.

¹ by iRECIST.

² central (N=87) & local (N=21) as previously described on slide 9.



Interim median PFS¹ in PD-L1 ≥1% was 8.4 (95% CI: 6.1-14.0) months and 11.8 (5.5-16.8) months in PD-L1 ≥50%.

Exposure & Safety¹ – TACTI-002

Safety parameter ¹	n (%)
Any TEAE	113 (99.1)
Any Serious TEAE	45 (39.5)
Serious TEAE <i>related to study treatment</i> ²	10 (8.8)
Any Grade ≥3 TEAE	59 (51.8)
Grade ≥3 TEAE <i>related to study treatment</i> ²	12 (10.5)
Any Grade 4 TEAE	5 (4.4)
Any Grade 5 TEAE	12 (10.5)
Grade 5 TEAE <i>related to study treatment</i> ²	3 (2.6)
Any TEAEs leading to discontinuation of study treatment ²	23 (20.2)
TEAEs leading to discontinuation <i>related to study treatment</i> ²	11 (9.6)

AE: adverse event

ALT: alanine aminotransferase

AST: aspartate aminotransferase

G: grade

SAE: serious adverse event

TEAE: treatment emergent adverse event, AEs with onset date on or after the first dose of study drug regardless of causality.

¹ AEs rated according to the current National Cancer Institute Common Terminology Criteria for Adverse Events (v5.0).

² Study treatment= efti and/or pembrolizumab.

- Median exposure of efti was 23.1 weeks (range 1-52.4) and 21.8 weeks for pembro (range 0.1-103.3).
- 5 patients completed 2 years of treatment until data cut-off.
- 11 patients (9.6%) permanently discontinued treatment due to AEs related to study treatment²:
 - *peripheral sensory neuropathy (G2), n=2*
 - *gait disturbance (G2), n=1*
 - *ALT (G3) and AST elevation (G3), n=1*
 - *acute kidney injury (G3), n=1*
 - *drug hypersensitivity (G3), n=1*
 - *bronchospasm (G3), n=1*
 - *immune-related hepatitis (G4), n=1*
 - *pneumonitis (G5), n=1*
 - *sudden death- unknown cause (G5), n=1*
 - *pulmonary embolism (G5), n=1*

Data cut-off date: April 15, 2022

Frequent TEAEs (incidence ≥15%) by PT regardless of relationship to any study drug

Adverse event by PT	Any grade n (%)	Grade 3 n (%)	Grade 4 n (%)	Grade 5 n (%)
Dyspnea	39 (34.2)	13 (11.4)	1 (0.9)	1 (0.9)
Asthenia	35 (30.7)	2 (1.8)	-	-
Decreased appetite	27 (23.7)	1 (0.9)	-	-
Cough	27 (23.7)	2 (1.8)	-	-
Anemia	24 (21.1)	3 (2.6)	-	-
Fatigue	23 (20.2)	1 (0.9)	-	-
Pruritus	22 (19.3)	-	-	-
Constipation	20 (17.5)	1 (0.9)	-	-
Diarrhea	18 (15.8)	1 (0.9)	-	-
Nausea	18 (15.8)	2 (1.8)	-	-

- 20.3% of patients had any type of local injection site reactions (any PT contained injection site) any grade and thereof 1.8 % with severity of G2. None ≥G3 were reported.

Frequency of AEs (by PT) with possible immune etiology regardless of relationship to any study drug

Adverse event by PT	Any grade n (%)	Grade 3 n (%)	Grade 4 n (%)	Grade 5 n (%)
(Immune related) Hypothyroidism	10 (8.8)	-	-	-
Pneumonitis	4 (3.5)	-	1 (0.9)	1 (0.9)
Hyperthyroidism	6 (5.3)	-	-	-
Diarrhea	18 (15.8)	1 (0.9)	-	-
Thyroiditis	1 (0.9)	-	-	-
(Immune related) Hepatitis	3 (2.6)	-	1 (0.9)	-
Nephritis + Acute kidney injury	1 (0.9)	1 (0.9)	-	-
Adrenal insufficiency	1 (0.9)	-	-	-
Infusion related reaction*	1 (0.9)	1 (0.9)	-	-

* (i.e. drug hypersensitivity, serum sickness, infusion related hypersensitivity reaction, infusion related reaction, CRS, anaphylactic reaction, anaphylactic shock, anaphylactoid reaction, anaphylactoid shock)

- No cytokine release syndrome reported.

Outcomes of anti-PD-(L)1 therapy with or without chemotherapy (chemo) for first-line (1L) treatment of advanced non-small cell lung cancer (NSCLC) with PD-L1 score $\geq 50\%$: FDA Pooled Analysis

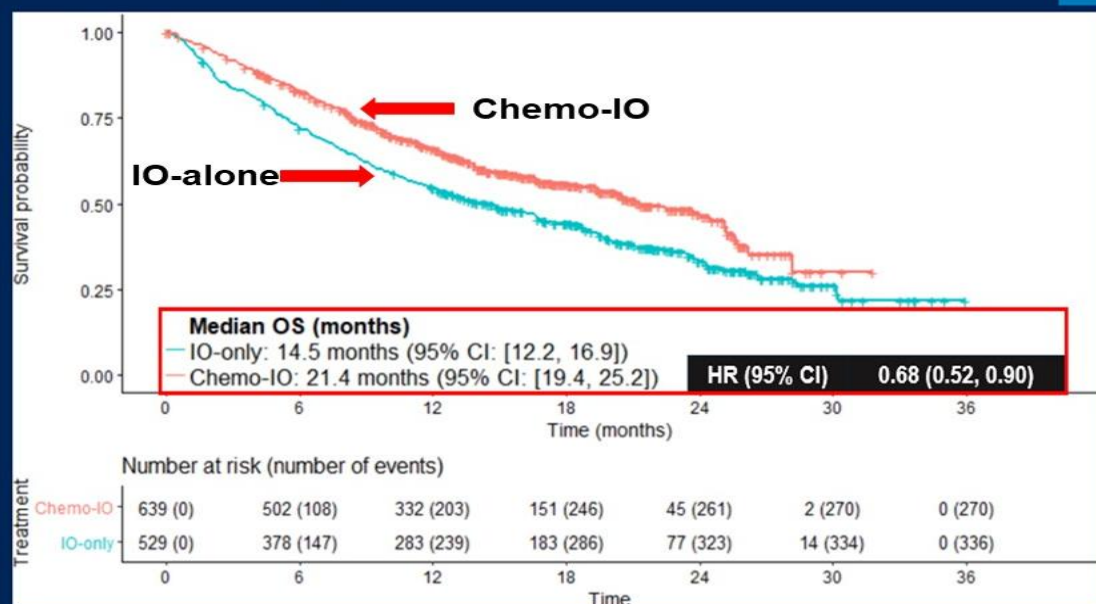
Oladimeji Akinboro¹, Jonathon Vallejo¹, Erica Nakajima¹, Yi Ren¹, Pallavi Mishra-Kalyani¹, Erin Larkins¹, Paz Vellanki¹, Nicole Drezner¹, Mathieu Luckson¹, Shenghui Tang¹, Martha Donoghue^{1,2}, Richard Pazdur^{1,2}, Julia A. Beaver^{1,2}, Harpreet Singh^{1,2}

¹Center for Drug Evaluation and Research, U.S. Food and Drug Administration

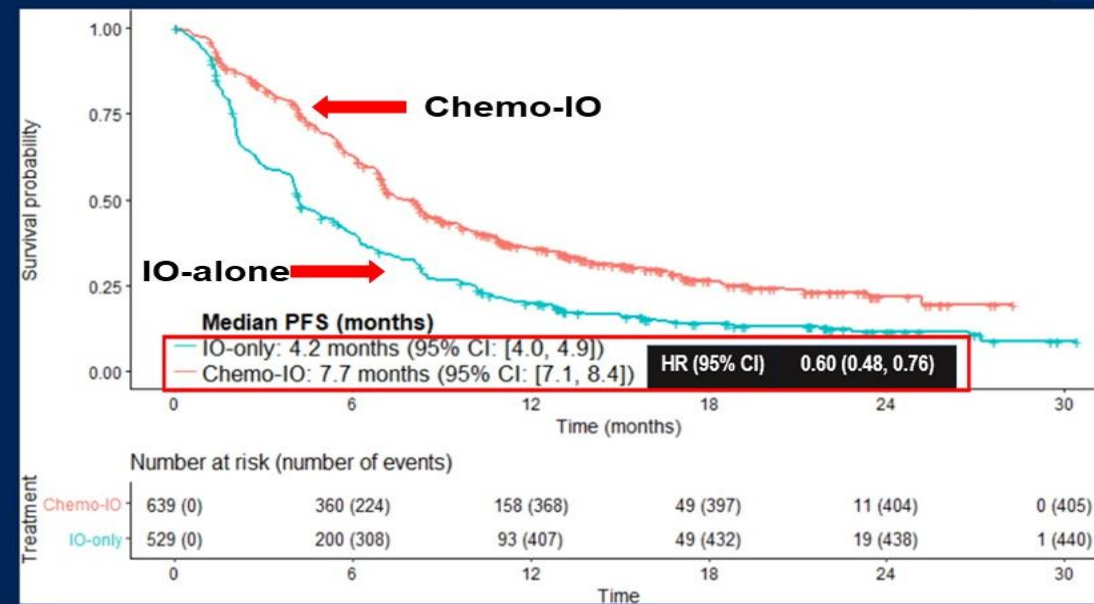
²Oncology Center of Excellence, U.S. Food and Drug Administration

Oladimeji Akinboro, MD, MPH

Exploratory OS: NSCLC PDL1 1-49%



Exploratory PFS: NSCLC PDL1 1-49%



Pooled Analysis Population

- Advanced NSCLC
- PD-L1 TPS ≥50%
 - Excluded staining by tumor-infiltrating immune cells
- No sensitizing *EGFR* mutations or *ALK* alterations
- Clinical trial supported FDA approval of IO-based regimen

Chemo-IO

IO-only

Exploratory Primary Outcome measure

- OS

Other exploratory outcome measures

- PFS
- ORR

Sub-group analyses

- Age (yrs): <65 vs 65-75 vs ≥75
- ECOG PS: 0 vs. ≥ 1
- Smoking history: *Never* vs. *Ever*

		Chemo-IO (N=455)	IO alone (N=1,298)	Chemo (N=1,436)	Overall (N=3,189)
Age	Median, years	65	64	64	64
	<65 years, %	49	53	50	51
	65-74 years, %	41	36	39	38
	≥75 years, %	10	11	11	11
Sex	Female	37	29	31	31
Race	White, %	91	77	80	80
	Black, %	1	1	2	1
	Asian, %	8	20	16	16
Smoking history	Ever smoked, %	87	89	88	89
ECOG PS	≥1, %	59	68	67	66
Histology	Non-squamous, %	78	69	68	70

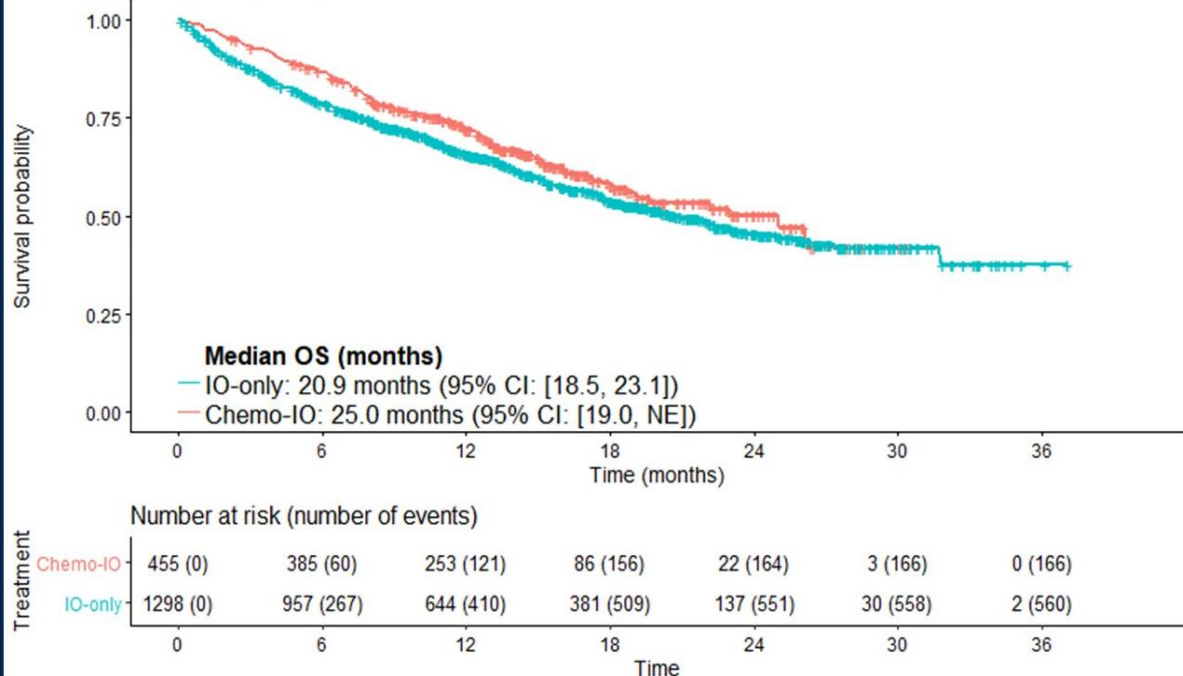
Abbreviations: Chemo-IO=platinum-based doublet chemotherapy plus immunotherapy; ECOG PS=Eastern Cooperative Oncology Group Performance Status; IO=immunotherapy; N=number.

Exploratory OS, PFS, and ORR: NSCLC PD-L1 ≥50%

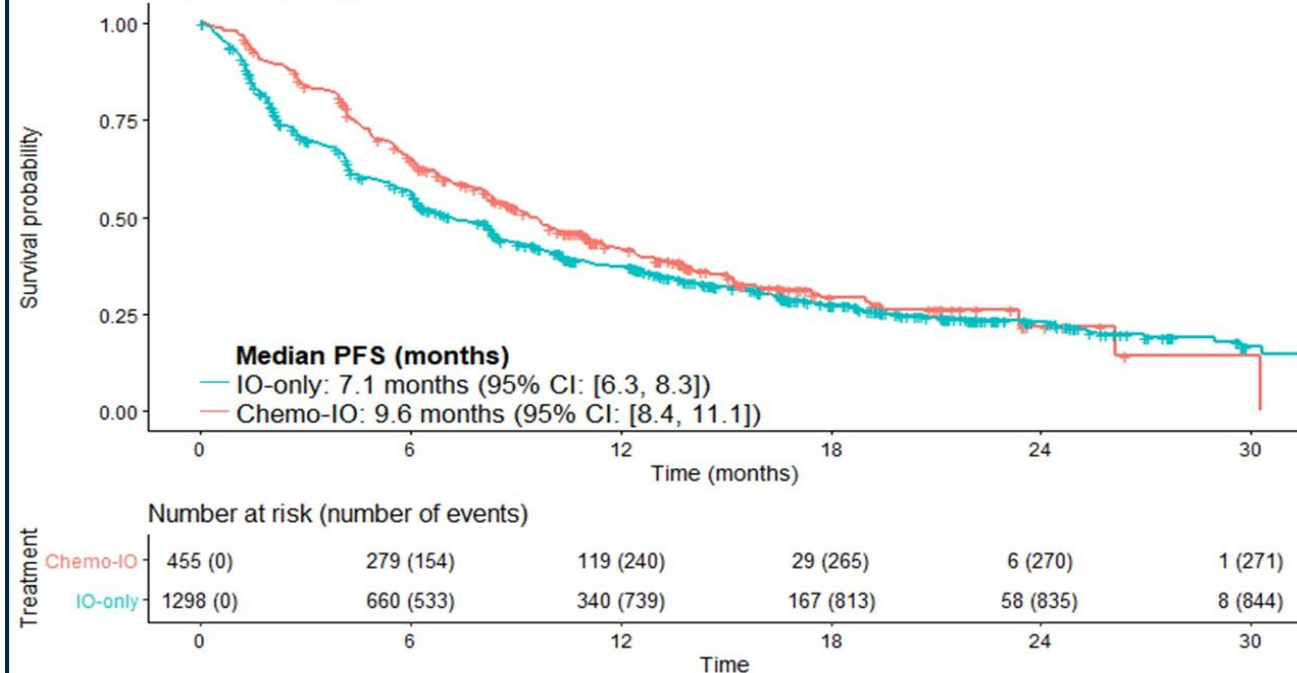
	Chemo-IO (N=455)	IO-alone (N=1,298)
OS		
Median, months (95% CI)	25.0 (19.0, NE)	20.9 (18.5, 23.1)
HR (95% CI)	0.82 (0.62, 1.08)	
PFS		
Median, months (95% CI)	9.6 (8.4, 11.1)	7.1 (6.3, 8.3)
HR (95% CI)	0.69 (0.55, 0.87)	
ORR		
% (95% CI)	61 (56, 66)	43 (41, 46)
Odds ratio	1.2 (1.1, 1.3)	

Abbreviations: Chemo-IO=platinum-based doublet chemotherapy plus immunotherapy; CI=confidence interval; HR=hazards ratio; IO=immunotherapy; N=number; NSCLC=non-small-cell lung cancer; NE=not estimable; ORR=objective response rate; OS=overall survival; PD-L1=programmed death ligand-1; PFS=progression-free survival.

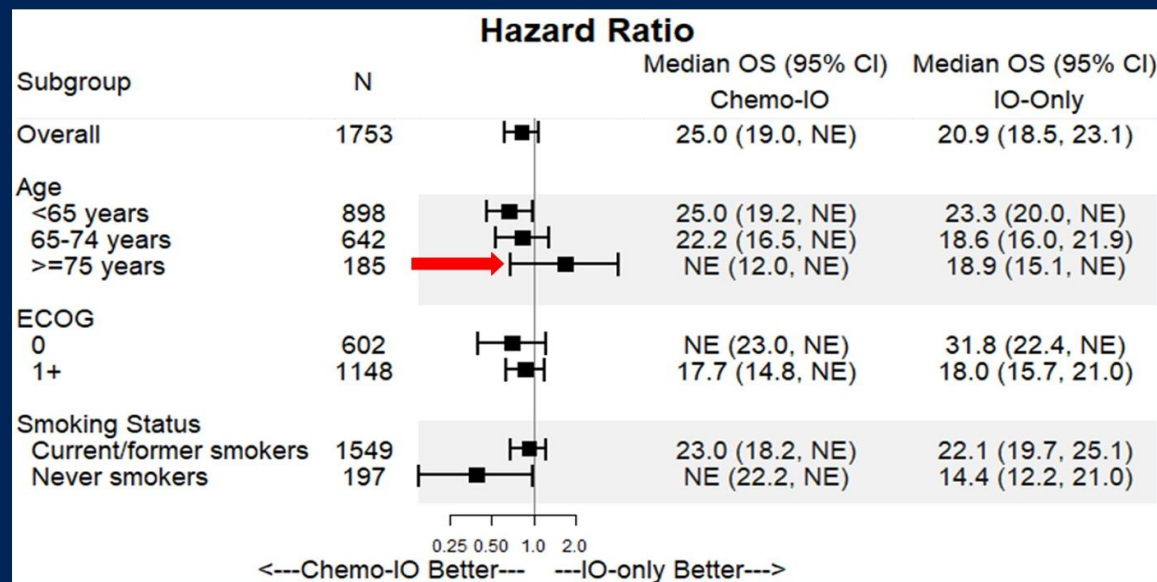
OS in IO-only and Chemo-IO Arms of Randomized Trials Supporting Approval in 1L NSCLC



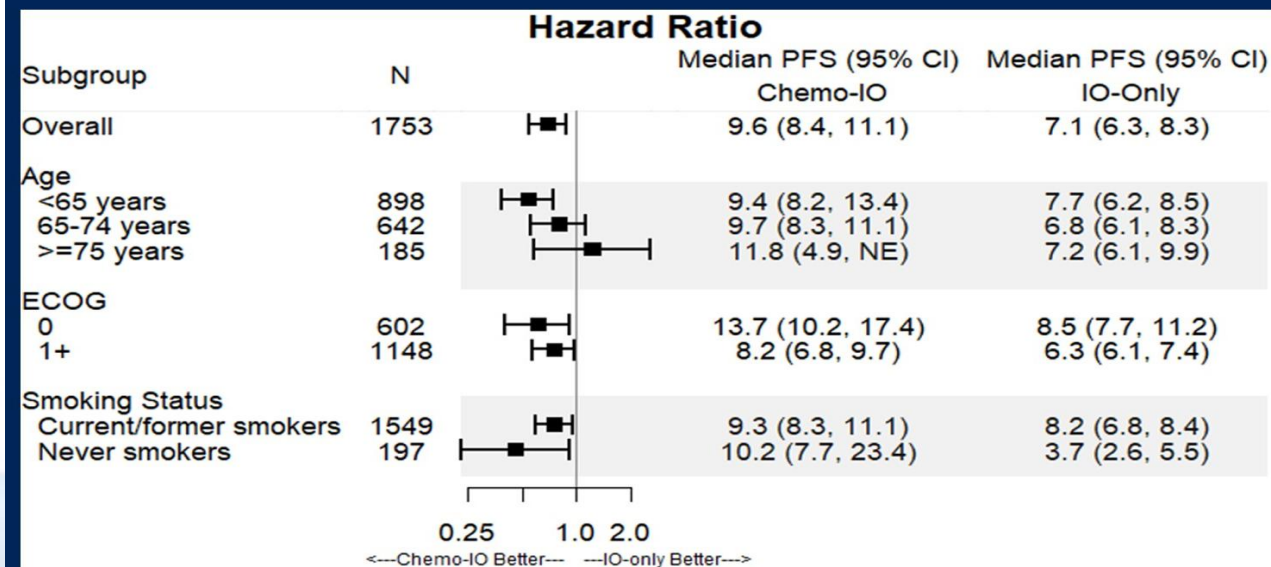
PFS in IO-only and Chemo-IO Arms of Randomized Trials Supporting Approval in 1L NSCLC



OS in NSCLC PD-L1 $\geq 50\%$ in selected subgroups



PFS in NSCLC PD-L1 $\geq 50\%$ in selected subgroups



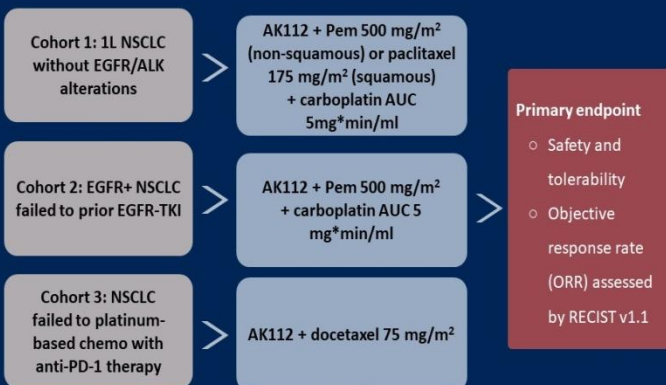
Poster #9019: A phase II study of AK112 (PD-1/VEGF Bispecific) in combination with chemotherapy in patients with advanced non-small cell lung cancer (NSCLC)

Yuanyuan Zhao¹, Wenfeng Fang¹, Yungeng Yang¹, Jianhua Chen², Li Zhuang³, Yingying Du⁴, Qitao Yu⁵, Wu Zhuang⁶, Yanqiu Zhao⁷, Ming Zhou⁸, Weidong Zhang⁹, Yu Zhang¹⁰, Yixin Wan¹¹, Ziping Wang¹², Lin Wang¹³, Baiyong Li¹⁴, Zhongmin Maxwell Wang¹⁴, Weifeng Song¹⁴, Li Zhang¹

¹Sun Yat-Sen University Cancer Center, Zhongshan, P. R. China; ²Hunan Cancer Hospital, Changsha, P. R. China; ³Yunnan Cancer Hospital, Kunming, P. R. China; ⁴The First Affiliated Hospital of Anhui Medical University, Hefei, P. R. China; ⁵Cancer Hospital of Guangxi Medical University, Nanning, P. R. China; ⁶Fujian Provincial Cancer Hospital, Fuzhou, P. R. China; ⁷Henan Cancer Hospital, Zhengzhou, P. R. China; ⁸Affiliated Cancer Hospital and Institute of Guangzhou Medical University, Guangzhou, P. R. China; ⁹Hunan Provincial People's Hospital, Changsha, P. R. China; ¹⁰Guizhou Provincial People's Hospital, Guiyang, P. R. China; ¹¹Lanzhou University Second Hospital, Lanzhou, P. R. China; ¹²Beijing Cancer Hospital, Beijing, P. R. China; ¹³Hainan Provincial People's Hospital, Haikou, P. R. China; ¹⁴Akeso, Inc., Zhongshan, P. R. China

Study Design

- Patients with advanced NSCLC were Enrolled into 3 cohorts and treated with 10 or 20mg/kg AK112 plus chemotherapy once every 3 weeks.

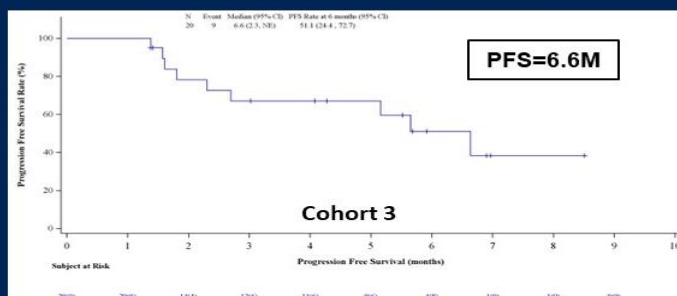
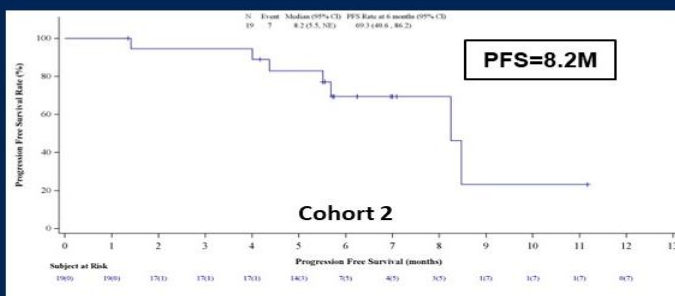
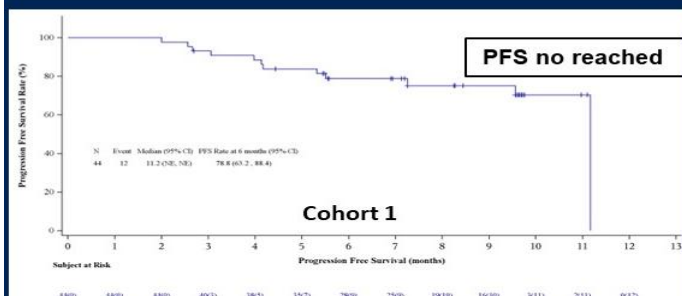
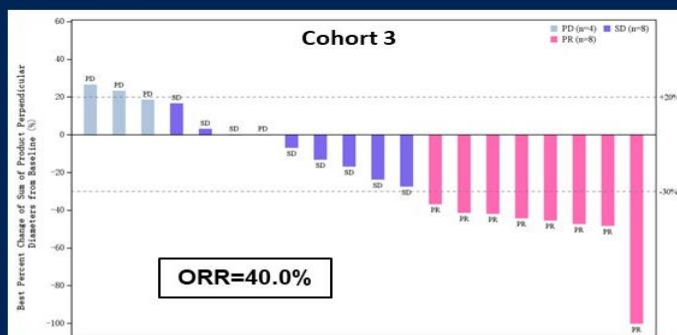
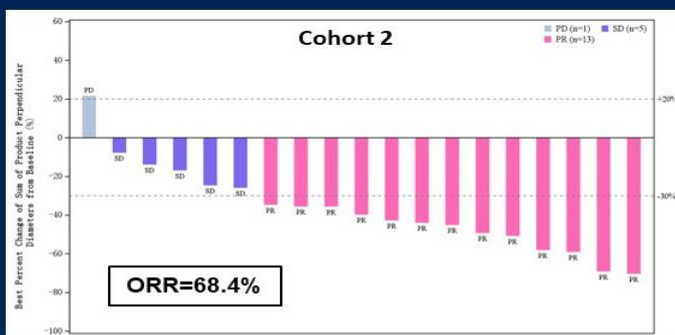
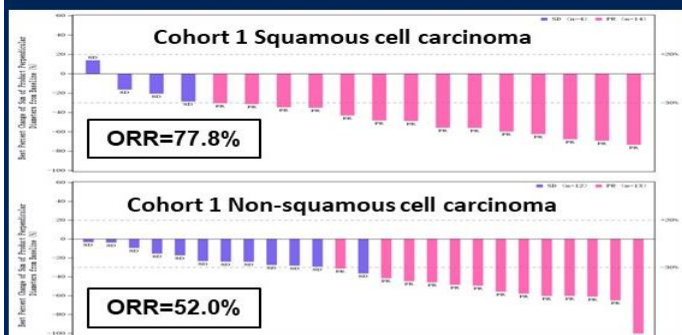


Enrollment

- 83 pts were enrolled from Feb 2021 to Mar 2022 to cohorts 1-3. Baseline characteristics are shown in the following table.

Characteristics	Cohort 1 (N = 44)	Cohort 2 (N = 19)	Cohort 3 (N = 20)	Overall (N = 83)
Age, median (range), years	57.6 (44.3 - 73.0)	60.2 (34.7 - 64.9)	60.0 (31.6 - 73.4)	58.0 (31.6 - 73.4)
Male, n(%)	28 (63.6)	6 (31.6)	16 (80.0)	50 (60.2)
ECOG performance status, n(%)				
1	42 (95.5)	14 (73.7)	19 (95.0)	75 (90.4)
Smoking status, n(%)				
Former or Current	24 (54.5)	4 (21.1)	15 (75.0)	43 (51.8)
Never	20 (45.5)	15 (78.9)	5 (25.0)	40 (48.2)
PD-L1 TPS, n(%)				
<1%	20 (45.5)	10 (52.6)	6 (30.0)	36 (43.4)
1-49%	16 (36.4)	6 (31.6)	8 (40.0)	30 (36.1)
≥50%	6 (13.6)	3 (15.8)	4 (20.0)	13 (15.7)
NE	2 (4.5)	0 (0.0)	2 (10.0)	4 (4.8)
Clinical Stage at Study Entry, n(%)				
IIIB/IIIC	4 (9.1)	0 (0.0)	3 (15.0)	7 (8.4)
IV	40 (90.9)	19 (100.0)	17 (85.0)	76 (91.6)
Histology, n(%)				
Squamous	18 (40.9)	0 (0.0)	7 (35.0)	25 (30.1)
Non-squamous	26 (59.1)	19 (100.0)	13 (65.0)	58 (69.9)
Brain metastasis, n(%)	8 (18.2)	7 (36.8)	1 (5.0)	16 (19.3)

- As of Mar 20, 2022, median duration of follow-up (95% CI) was 9.2 months (range: 7.7 - 9.7) for Cohort 1; 7.0 months (range: 5.6 - 7.1) for Cohort 2; and 5.9 months (range: 4.4 - 6.9) for Cohort 3.



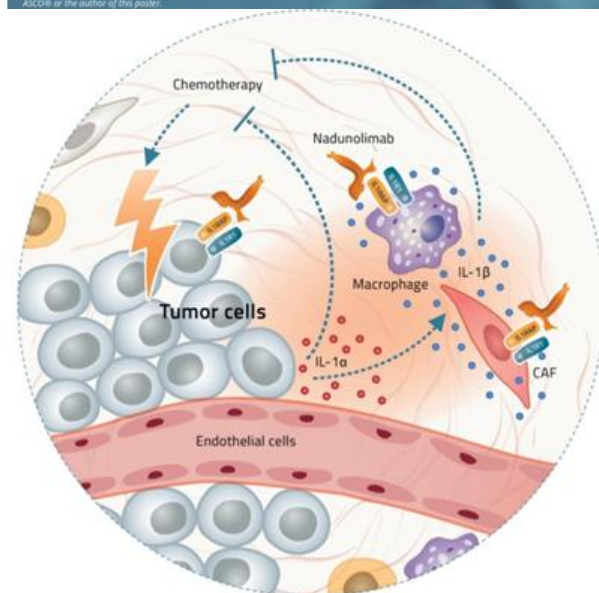


Phase 1/2a trial of nadunolimab, a first-in-class fully humanized monoclonal antibody against IL1RAP, in combination with cisplatin and gemcitabine (CG) in patients with non-small cell lung cancer (NSCLC)

A Paulus¹; S Cicenai²; Z Zvirbulis³; L Paz-Ares⁴; A Awada⁵; J Garcia Ribas⁶; N Losic⁶; M Zemaitis⁷

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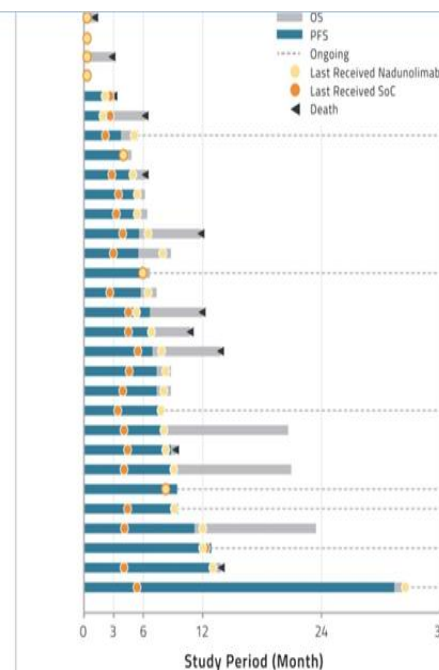
Efficacy parameter*	All (n=30)**	Non-squamous (n=16)	Squamous (n=13)
ORR [95% CI]	53% [34-72]	56% [30-80]	46% [19-75]
Disease control rate*** (CR+PR+SD) [95% CI]	83% [65-94]	75% [48-93]	92% [64-100]
Median duration of response [95% CI]	5.8 months [3.7-11.2]	11.2 months [NA]	4.1 months [3.4-5.8]
PFS [95% CI]	6.8 months [5.5-8.8]	7.3 months [5.3-13.0]	5.8 months [3.7-7.4]
Median OS [95% CI]	13.7 months**** [NA]	NA	NA
1-year survival [95% CI]	53%**** [26-73%]	NA	NA

*Responses according to RECIST1.1 criteria

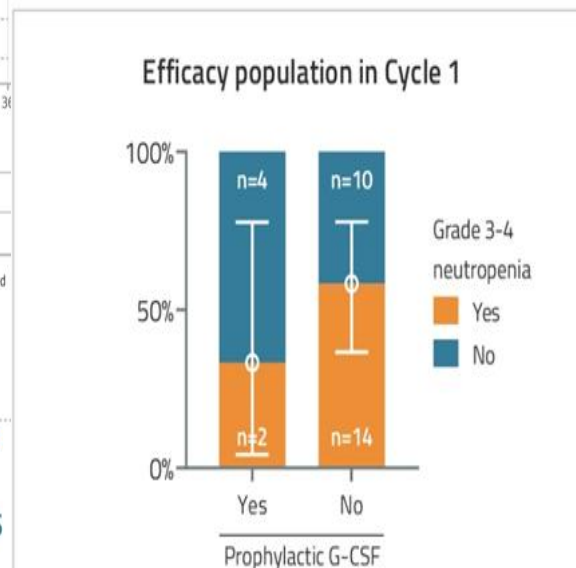
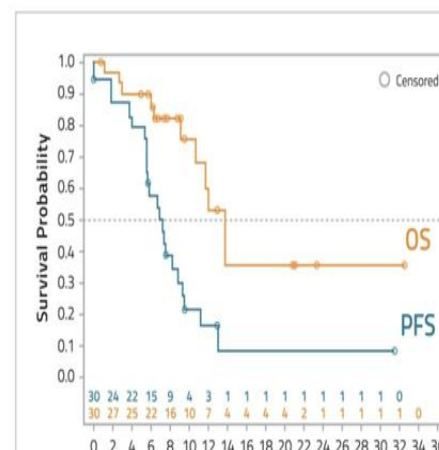
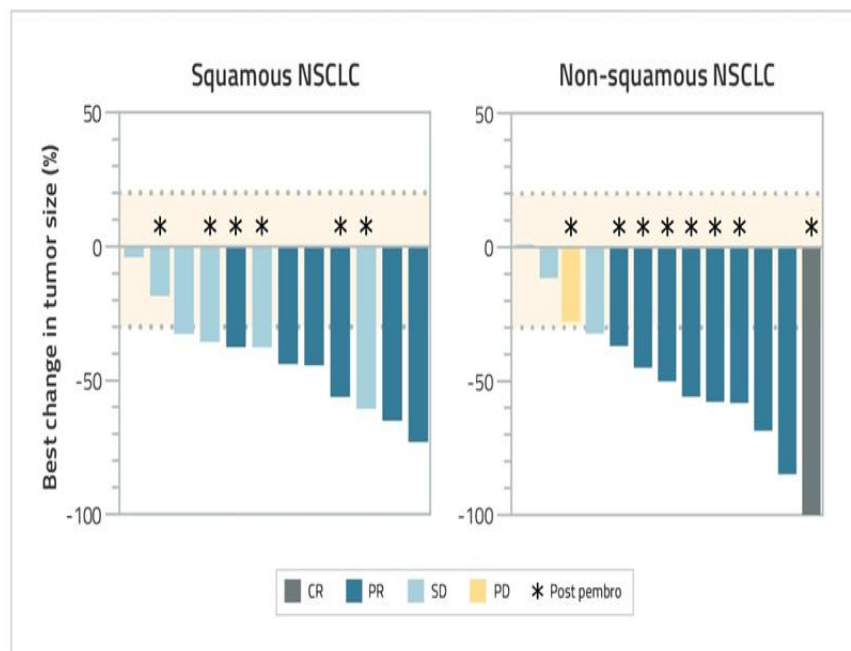
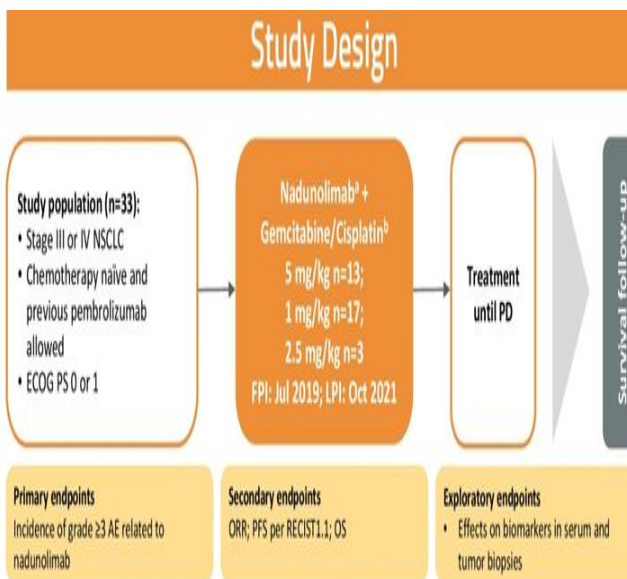
**One tumor of unknown histology

***Two patients withdrew early in association with COVID-19

****Based on 37% of events



	Grade 3-4	All grade
Hematological TEAE; n (%)		
Neutropenia	19 (58%)	24 (73%)
Thrombocytopenia	16 (49%)	24 (73%)
Anemia	10 (30%)	18 (55%)
Febrile neutropenia	4 (12%)	4 (12%)
Leukopenia/WBC decreased	3 (9%)	3 (9%)
Non-hematological TEAE; n (%)		
Pneumonia	3 (9%)	5 (15%)



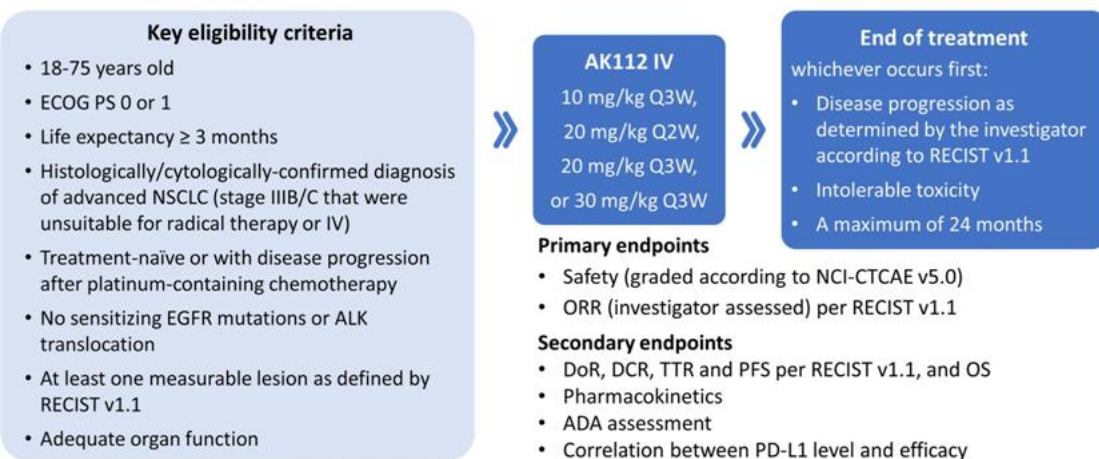
A phase Ib/II study of AK112, a PD-1/VEGF bispecific antibody, as first or second-line therapy for advanced non-small cell lung cancer (NSCLC)

Caicun Zhou¹, Shengxiang Ren¹, Yongzhong Luo², Lei Wang¹, Anwen Xiong¹, Chunxia Su¹, Zhihong Zhang³, Wei Li¹, Jin Zhou⁴, Xinmin Yu⁵, Yanping Hu⁶, Xiaodong Zhang⁷, Xiaorong Dong⁸, Xiaoming Hou⁹, Yuanrong Dai¹⁰, Weifeng Song¹¹, Baiyong Li¹¹, Zhongmin Maxwell Wang¹¹, Yu Xia¹¹

¹Oncology Department, Shanghai Pulmonary Hospital, Shanghai, China, ²Thoracic Department, Hunan Cancer Hospital, Changsha, China, ³Department of Respiratory Oncology, Anhui Provincial Cancer Hospital, Hefei, China, ⁴Department of Medical Oncology, Cancer Hospital of Sichuan Province, Chengdu, China, ⁵Department of Thoracic Oncology, Cancer Hospital of the University of Chinese Academy of Sciences (Zhejiang Cancer Hospital), Hangzhou, China, ⁶Department of Thoracic Oncology, Hubei Cancer Hospital, Wuhan, China, ⁷Department of Medical Oncology, Cancer Hospital of Nantong, Nantong, China, ⁸Cancer Center, Union Hospital Tongji Medical College, Huazhong University of Science and Technology, Wuhan, China, ⁹Department of Medical Oncology, The First Hospital of Lanzhou University, Lanzhou, China, ¹⁰Department of Respiratory Medicine, The 2nd School of Medicine, WMU/The 2nd Affiliated Hospital and Yuying Children's Hospital of WMU, Wenzhou, China, ¹¹Akeso Biopharma Co., Ltd., Zhongshan, China

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Figure 2. Study design (Ib)



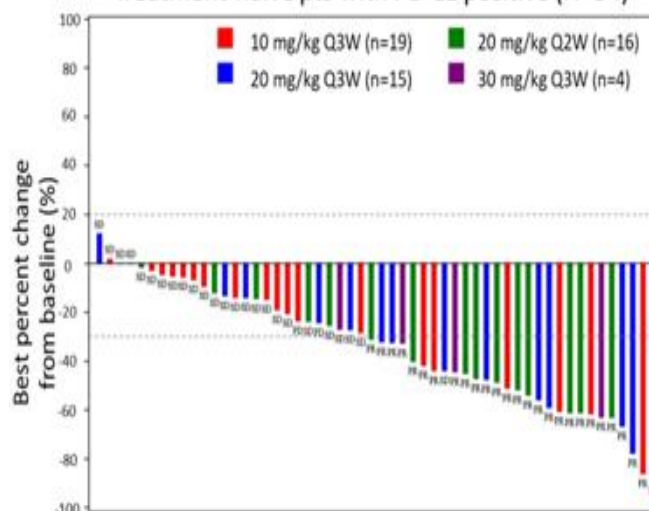
Categories, n (%)	AK112 (N=96)
Grade 3/4 TRAEs	13 (13.5)
Pneumonia	3 (3.1)
Hypertension	1 (1.0)
Proteinuria	1 (1.0)
Diarrhoea	1 (1.0)
Pyrexia	1 (1.0)
Urticaria chronic	1 (1.0)
Rhabdomyolysis	1 (1.0)
Hepatic failure	1 (1.0)
Lacunar infarction	1 (1.0)
Cognitive disorder	1 (1.0)
Tracheo-oesophageal fistula	1 (1.0)

Most frequent TRAEs (incidence $\geq 10\%$)

Proteinuria	19 (19.8)
Hypertension	15 (15.6)
Blood urea increased	15 (15.6)
Blood cholesterol increased	14 (14.6)
Hyperglycaemia	14 (14.6)
Lipase increased	13 (13.5)
Apolipoprotein E increased	13 (13.5)
Alanine aminotransferase increased	12 (12.5)
C-reactive protein increased	11 (11.5)
Aspartate aminotransferase increased	11 (11.5)
Amylase increased	10 (10.4)

Best percentage change in tumor size from baseline

Treatment-naïve pts with PD-L1 positive (N=54)



Spider Plot of Percentage Change from Baseline

Treatment-naïve pts with PD-L1 positive (N=54)

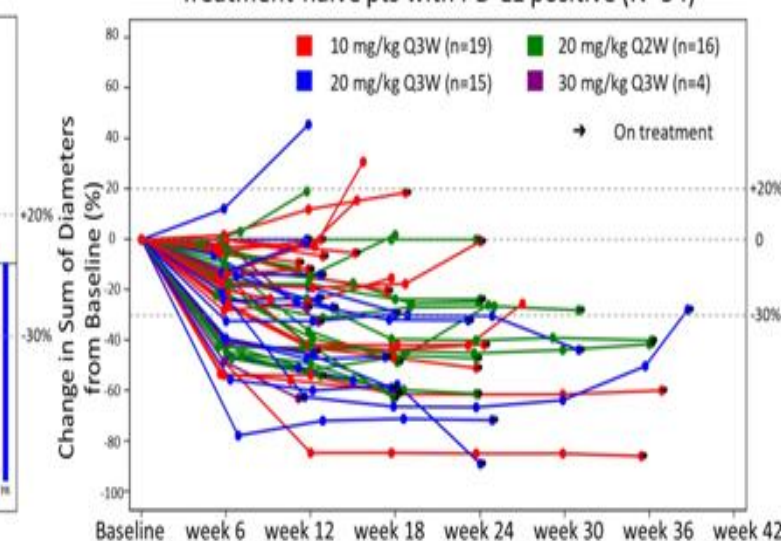


Table 3. Response rate of treatment-naïve pts (AK112 > 10mg/kg Q3W)

PD-L1 TPS	$\geq 1\%$ (N=35)	1-49% (N=22)	$\geq 50\%$ (N=13)	$< 1\%$ (N=15)	Total (N=50)
ORR, %	60.0	50.0	76.9	13.3	46.0
DCR, %	97.1	95.5	100.0	66.7	88.0
CR, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)
PR, n (%)	21 (60.0)	11 (50.0)	10 (76.9)	2 (13.3)	23 (46.0)
SD, n (%)	13 (37.1)	10 (45.5)	3 (23.1)	8 (53.3)	21 (42.0)
PD, n (%)	1 (2.9)	1 (4.5)	0 (0.0)	5 (33.3)	6 (12.0)
NE, n (%)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)	0 (0.0)