



Metastatic NSCLC Immunotherapy Updates

Luis E. Raez MD FACP FCCP

Chief Scientific Officer & Medical Director

Memorial Cancer Institute/Memorial Health Care System

Clinical Professor of Medicine/Herbert Wertheim College of Medicine

Florida International University

Past-President Florida Society of Clinical Oncology (FLASCO)





First Line Lung Cancer Therapy with no actionable genes

NSQCC:

- Carboplatin/Pemetrexed/Pembrolizumab [Keynote 189]
- Carboplatin/Paclitaxel/Bevacizumab/Atezolizumab [IMPOWER 150]

SQCC:

- Carboplatin/Paclitaxel or nab-paclitaxel/Pembrolizumab [Keynote 407]

NSQCC and SQCC:

- Cemiplimab/Chemotherapy [Empower Lung-3]
- Durvalumab +Tremelimumab/Chemotherapy [Poseidon 3]

IO single Agent (NSQCC OR SQCC)

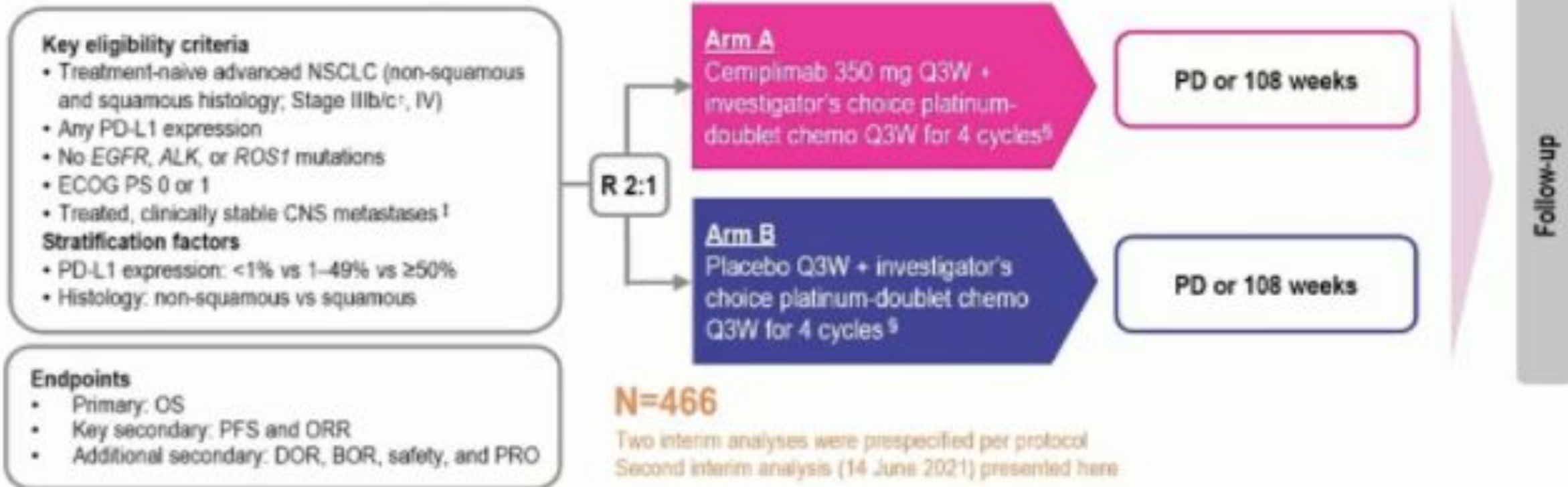
- Pembrolizumab [Keynote 024 and 042]
- Atezolizumab [IMPOWER 110]
- Cemiplimab [Empower Lung-1]

Immunotherapy combinations:

- Ipilimumab and Nivolumab [Checkmate 227]
- Ipilimumab and Nivolumab plus 2 cycles of chemotherapy [Checkmate 9LA]

EMPOWER-Lung 3 (Part 2) Study Design (NCT03409614)

Background: Cemiplimab (a high-affinity, fully human anti-PD-1) is approved as first-line monotherapy for advanced NSCLC with PD-L1 $\geq 50\%$ (EMPOWER-Lung 1 Study¹)

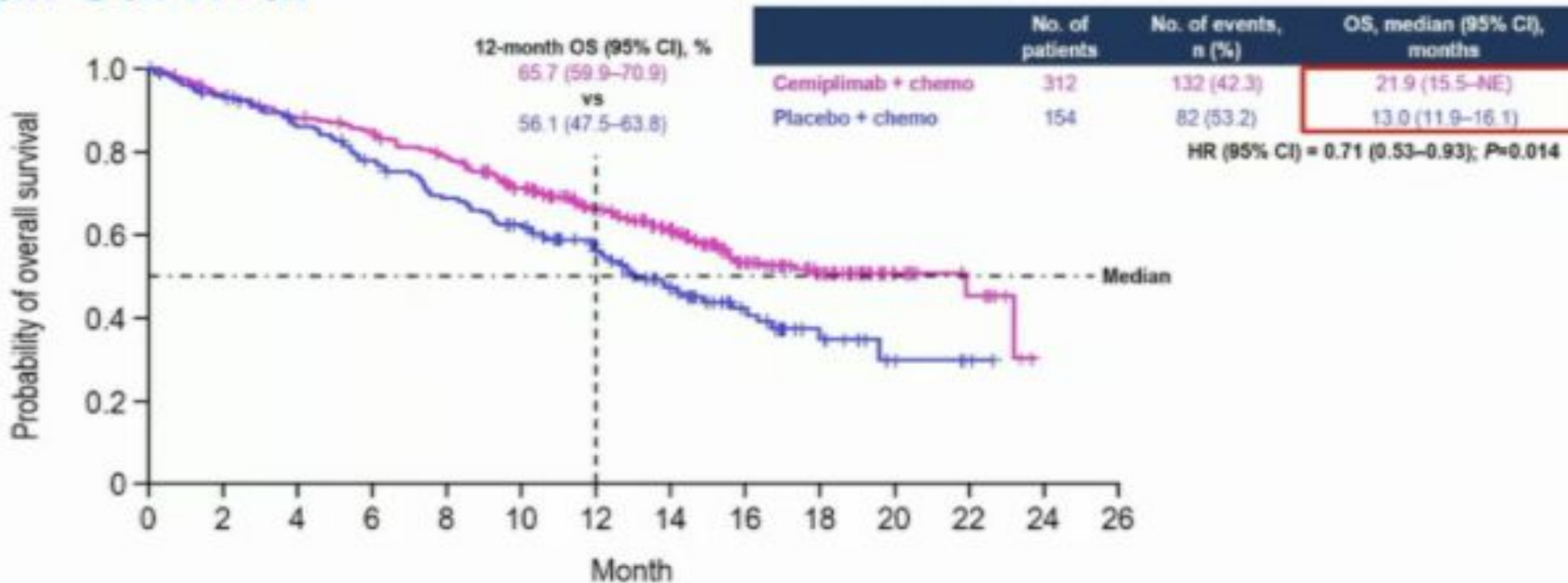


[†]Patient not a candidate for definitive chemoradiation. [‡]Patient must have neurologically returned to baseline (except for residual signs or symptoms related to the CNS treatment). [§]For patients with non-squamous NSCLC, pemetrexed is mandatory as maintenance therapy for those patients initially assigned to receive a pemetrexed-containing regimen. ALK, anaplastic lymphoma kinase gene; BOR, best overall response; chemo, chemotherapy; CNS, central nervous system; DOR, duration of response; ECOG PS, Eastern Cooperative Oncology Group performance status; EGFR, epidermal growth factor receptor gene; NSCLC, non-small cell lung cancer; ORR, objective response rate; OS, overall survival; PD, progressive disease; PFS, progression-free survival; PRO, patient-reported outcomes; Q3W, every 3 weeks; R, randomised; ROS1, c-ros oncogene 1.

1. Sequin A et al. *Lancet* 2021;397:582–904.

Overall Survival

Median duration of follow-up (range): 16.4 (8.5–24.0) months

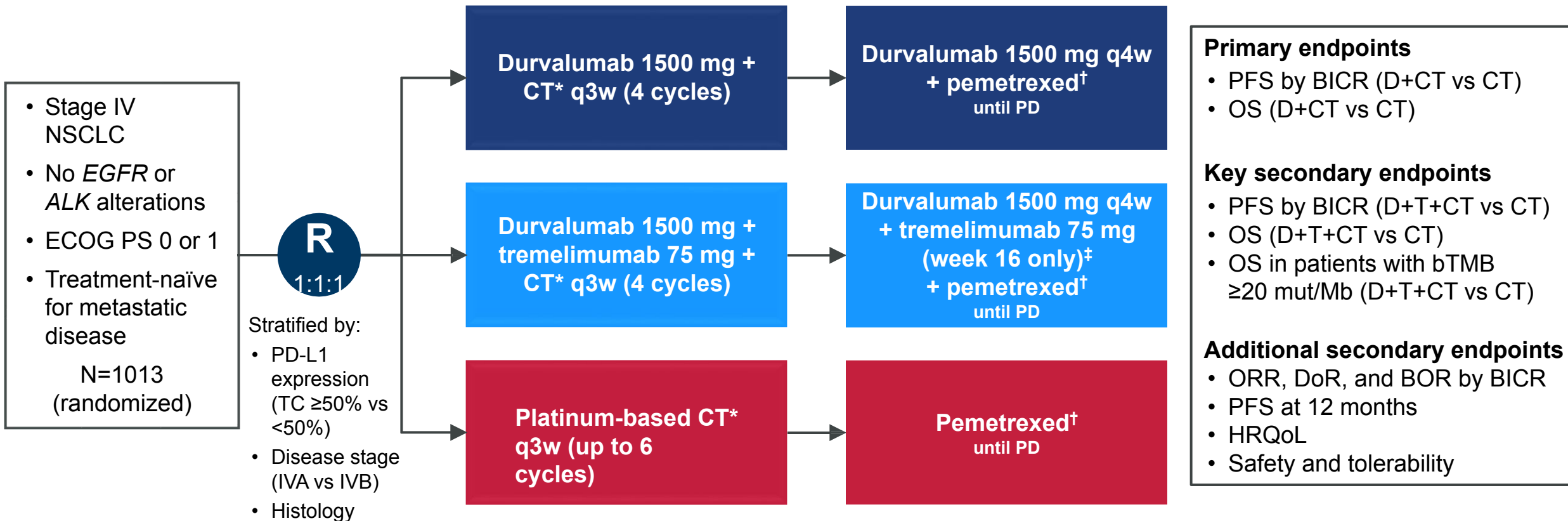


No. at risk:

Cemiplimab + chemo	312	289	269	256	233	199	162	131	86	52	18	8	0	0
Placebo + chemo	154	141	126	112	98	85	65	46	26	14	5	2	0	0

POSEIDON Study Design

Phase 3, global, randomized, open-label, multicenter study



- Primary endpoints**
- PFS by BICR (D+CT vs CT)
 - OS (D+CT vs CT)
- Key secondary endpoints**
- PFS by BICR (D+T+CT vs CT)
 - OS (D+T+CT vs CT)
 - OS in patients with bTMB ≥20 mut/Mb (D+T+CT vs CT)
- Additional secondary endpoints**
- ORR, DoR, and BOR by BICR
 - PFS at 12 months
 - HRQoL
 - Safety and tolerability

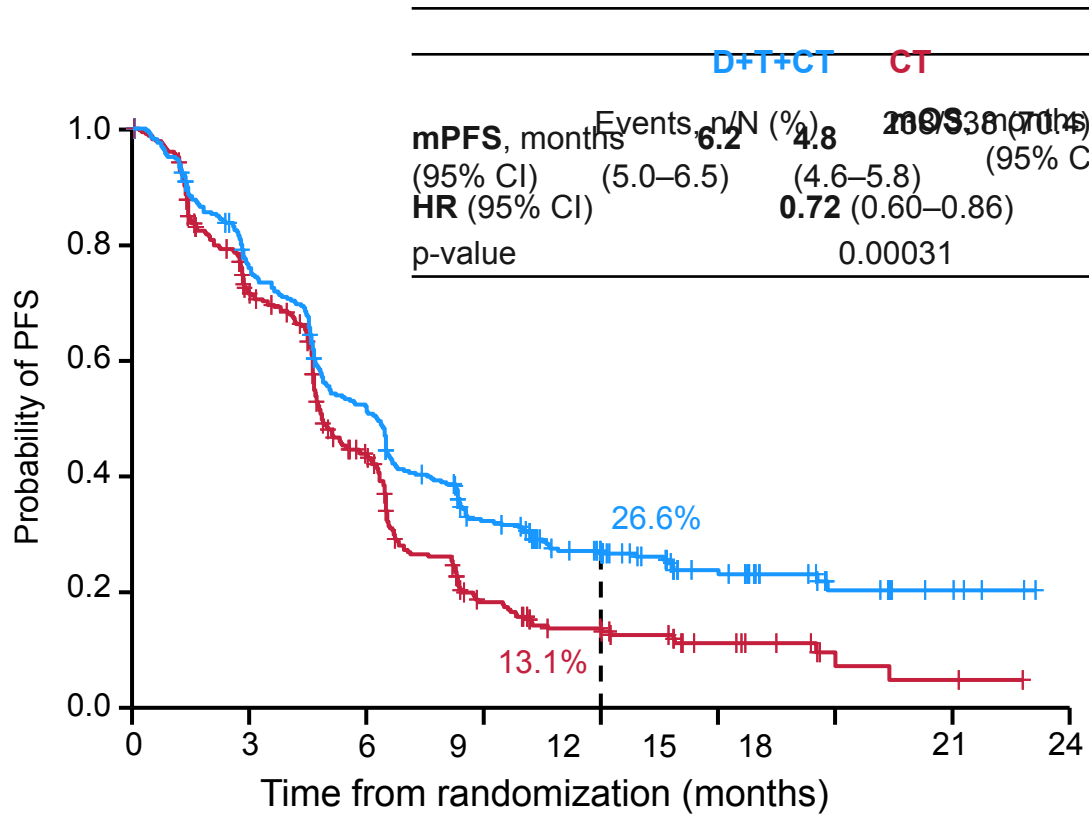
*CT options: gemcitabine + carboplatin/cisplatin (squamous), pemetrexed + carboplatin/cisplatin (non-squamous), or nab-paclitaxel + carboplatin (either histology);

[†]Patients with non-squamous histology who initially received pemetrexed during first-line treatment only (if eligible); [‡]Patients received an additional dose of tremelimumab post CT (5th dose)

Durvalumab + Tremelimumab + CT vs CT: PFS and OS

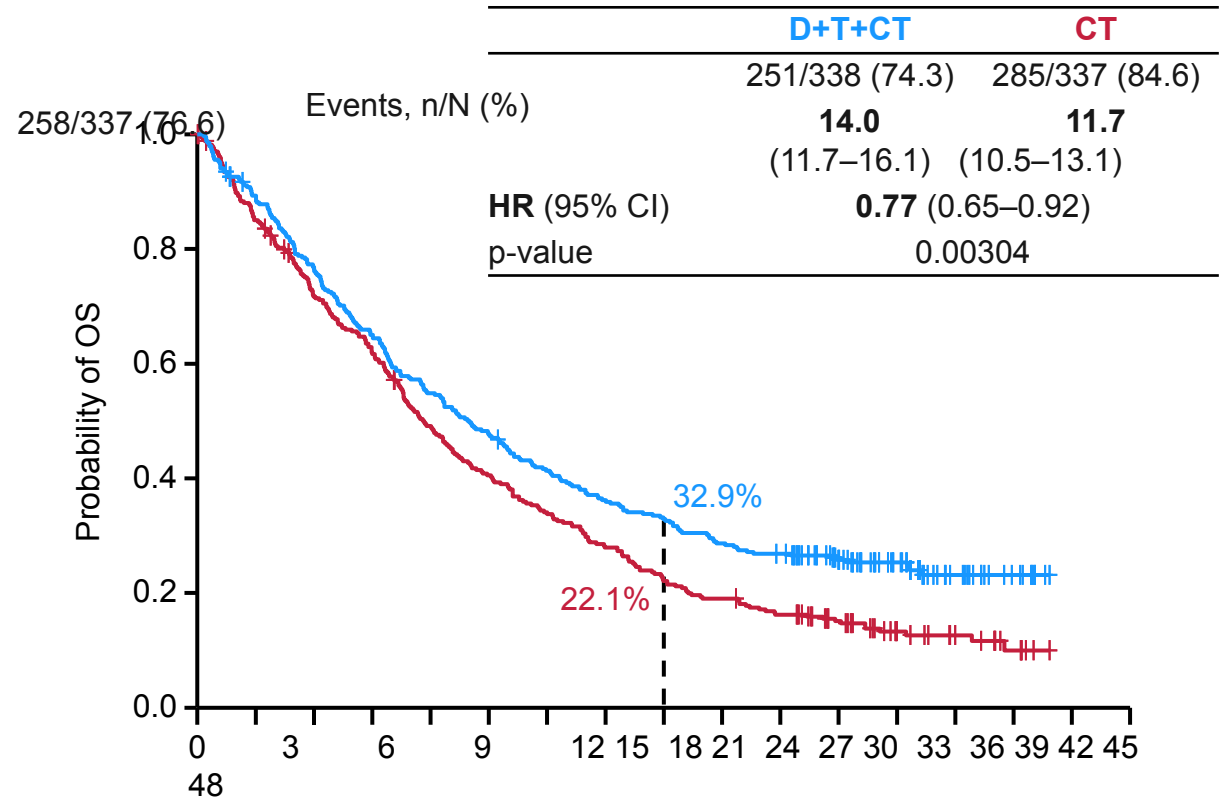
PFS

OS



No. at risk	0	3	6	9	12	15	18	21	24
D+T+CT	338	243	161	94	56	32	13	5	0
CT	337	219	121	43	23	12	3	2	0

• Median follow-up in censored patients at DCO: 10.3 months (range 0–23.1)



No. at risk	0	3	6	9	12	15	18	21	24	27	30	33	36	39	42	45	
D+T+CT	338	298	256	217	183	159	137	120	109	95	88	64	41	20	9	0	0
CT	337	284	236	204	160	132	111	91	72	62	52	38	21	13	6	0	0

• Median follow-up in censored patients at DCO: 34.9 months (range 0–44.5)

Conclusions

- In POSEIDON, PFS was significantly improved with first-line durvalumab + CT vs CT in patients with mNSCLC, with a positive trend for OS that did not reach statistical significance
 - PFS HR 0.74 (95% CI 0.62–0.89; p=0.00093)
 - OS HR 0.86 (95% CI 0.72–1.02; p=0.07581)
- First-line durvalumab + tremelimumab + CT demonstrated statistically significant and clinically meaningful improvements in both PFS and OS vs CT in patients with mNSCLC
 - PFS HR 0.72 (95% CI 0.60–0.86; p=0.00031)
 - OS HR 0.77 (95% CI 0.65–0.92; p=0.00304)
 - OS and PFS benefit were more prominent among patients with non-squamous (than squamous) histology
- Overall, the safety profile was similar across all three arms, with no new safety signals identified. Adding tremelimumab to durvalumab + CT did not lead to a meaningful increase in treatment discontinuation
 - TRAE discontinuation rate 15.5% and 14.1% with D+T+CT and D+CT, respectively
- **Durvalumab + tremelimumab + CT represents a potential new first-line treatment option for mNSCLC**



First Line Lung Cancer Therapy with no actionable genes

Chemotherapy/IO Combinations

- Carboplatin/Pemetrexed/Pembrolizumab [Keynote 189]
- Carboplatin/Paclitaxel/Bevacizumab/Atezolizumab [IMPOWER 150]
- Carboplatin/Paclitaxel or nab-paclitaxel/Pembrolizumab [Keynote 407]
- Cemiplimab/Chemotherapy [Empower Lung-3]
- Durvalumab + Tremelimumab/Chemotherapy [Poseidon 3]

IO single Agent (PDL1>50%)

- Pembrolizumab [Keynote 024 and 042]
- Atezolizumab [IMPOWER 110]
- Cemiplimab [Empower Lung-1]

Immunotherapy combinations:

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ORR slightly in favor of combination chemo+IO

	KN 24 (TPS > 50%)	KN 42 (TPS > 50%)	IMPW 10 TC3/IC3 (>50% and >10%)	KN 407 (TPS > 50%)	KN 189 (TPS > 50%)
ORR	45%	39.5%	30.7%	60.3%	61.4%
DOR	Nr (1.8-20.6 m)	20.2 m	Nr (1.8-29.3m)	7.7 m (all patients)	11.2 m (all patients)



Adverse Events more prevalent with Chemo/IO

	KN-42		KN-24		KN-189		KN-407	
	Pembro	CT	Pembro	CT	Pembro + CT	CT	Pembro + CT	CT
All TRAE (%)	62.7%	89.9%	76.6%	90.0%	99.8%	99.0%	98.2%	97.9%
Grade 3-5 TRAE (%)	17.8%	41%	31.2%	53.3%	67.2%	65.0%	69.8%	68.2%
Discontinuation rate (any) (%)	9%	9.4%	13.6%	10.7%	27.7%	14.9%	23.4%	11.8%
Led to death	0.2%	0%	1.3%	2.0%	6.7%	5.9%	8.3%	6.4%

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

Clinical trials of first-line Chemo-IO and IO regimens included in FDA pooled analysis



Chemo-IO Trials		IO-only Trials	
Trial	Investigational Regimen	Trial	Investigational Regimen
KEYNOTE-021*	Pembrolizumab + Chemo**	CheckMate 026	Nivolumab**
KEYNOTE-189	Pembrolizumab + Chemo**	KEYNOTE-024	Pembrolizumab**
KEYNOTE-407	Pembrolizumab + Chemo**	KEYNOTE-042	Pembrolizumab**
IMpower150	Atezolizumab + Bevacizumab + Chemo***	IMpower110	Atezolizumab**
IMpower130	Atezolizumab + Chemo**	CheckMate 227	Nivolumab + Ipilimumab**
CheckMate-9LA	Nivolumab + Ipilimumab + Chemo**	EMPOWER-Lung 1	Cemiplimab**

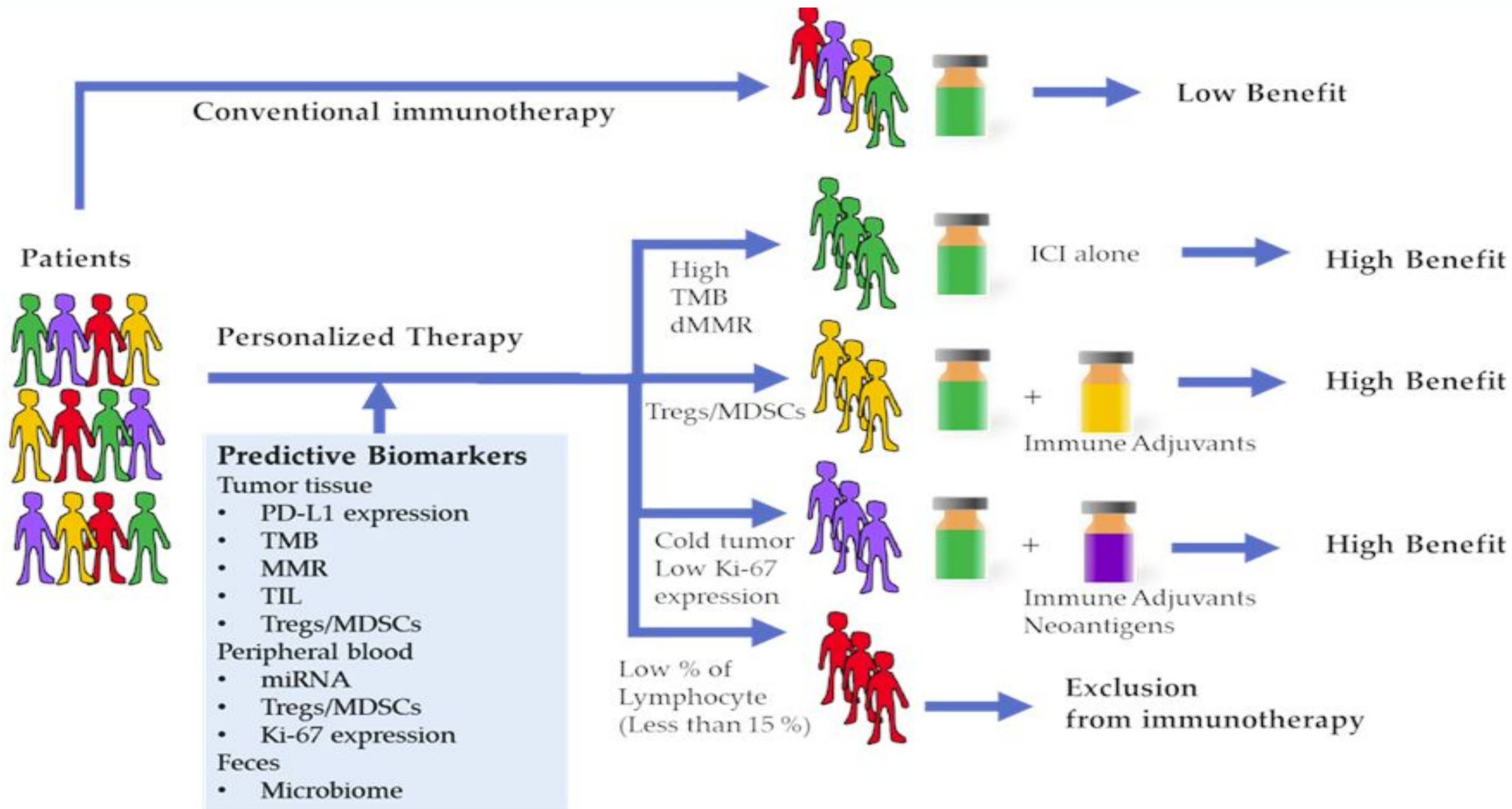
Abbreviations: Chemo-IO=platinum-based doublet chemotherapy immunotherapy; IO=immunotherapy.
 * Cohort G
 ** Control arms: Platinum-based doublet chemotherapy
 *** Control arm in IMpower150: Bevacizumab plus platinum-based doublet chemotherapy

Exploratory OS, PFS, and ORR: NSCLC PD-L1 $\geq 50\%$



	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.





Co-mutational status (STK11, KEAP, TP53) and PD-L1 expression in *KRAS* mutant non-small cell lung cancer (NSCLC)

- Molecular profiles of 27748 NSCLC tumors were tested with next-generation sequencing (Caris Life Sciences, Phoenix, AZ) and classified by *KRAS* mt.
- PD-L1 IHC (22C3) was reported as TPS.
- Co-occurring genomic alterations, tumor mutational burden (TMB) and PD-L1 IHC (22C3, TPS score) were analyzed by *KRAS* mt type.
- Real-world post-immunotherapy (IO) overall survival (OS) was obtained from insurance claims and calculated from start of an immune check-point inhibitor (with or without chemotherapy) to the last day of follow-up.
- Prognosis was evaluated by rwOS calculated from tissue collection to last contact
- Molecular groups including K-only, KP, KL, KK and KKL were defined based on distinct mutational status of four genes as described below.

Molecular Groups	Gene mutations			
	KRAS	STK11	TP53	KEAP1
K-only	MT	WT	WT	WT
KP	MT	WT	MT	WT
KL	MT	MT	WT	WT
KK	MT	WT	WT	MT
KKL	MT	MT	WT	MT

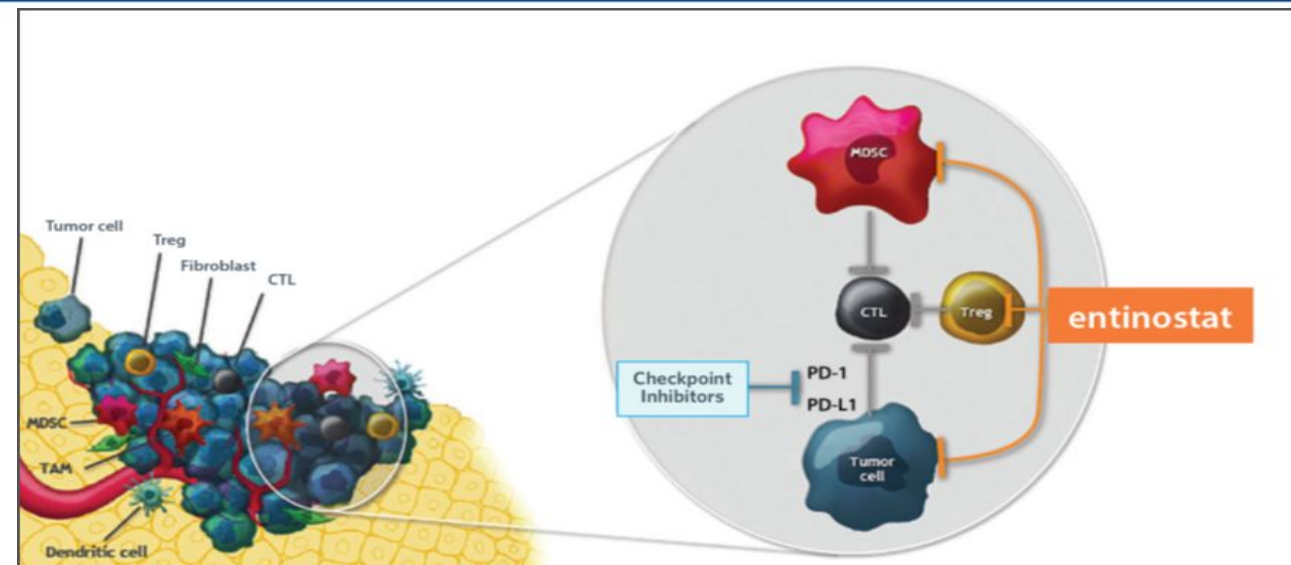
Table 1: Molecular sub-groups

End point: Median rwOS (Tissue collection to Last Contact)		
	mrwOS (m)	95% CI
K-only	23.1	20.9-25.3
KP	17.7	16.2-19.35
KL	19.1	16.6-21.2
KK	9.7	7.4-14.2
KKL	8.0	6.6-9.0

- We report a large real-world dataset evaluating outcomes with check-point inhibitors in NSCLCs with *KRAS* and specific co-mts. Across the subgroups, KKL (*KRAS* mt/*STK-11* mt/*KEAP-1* mt) demonstrated universally poor outcomes in all *KRAS* subtypes; irrespective of PD-L1 expression.

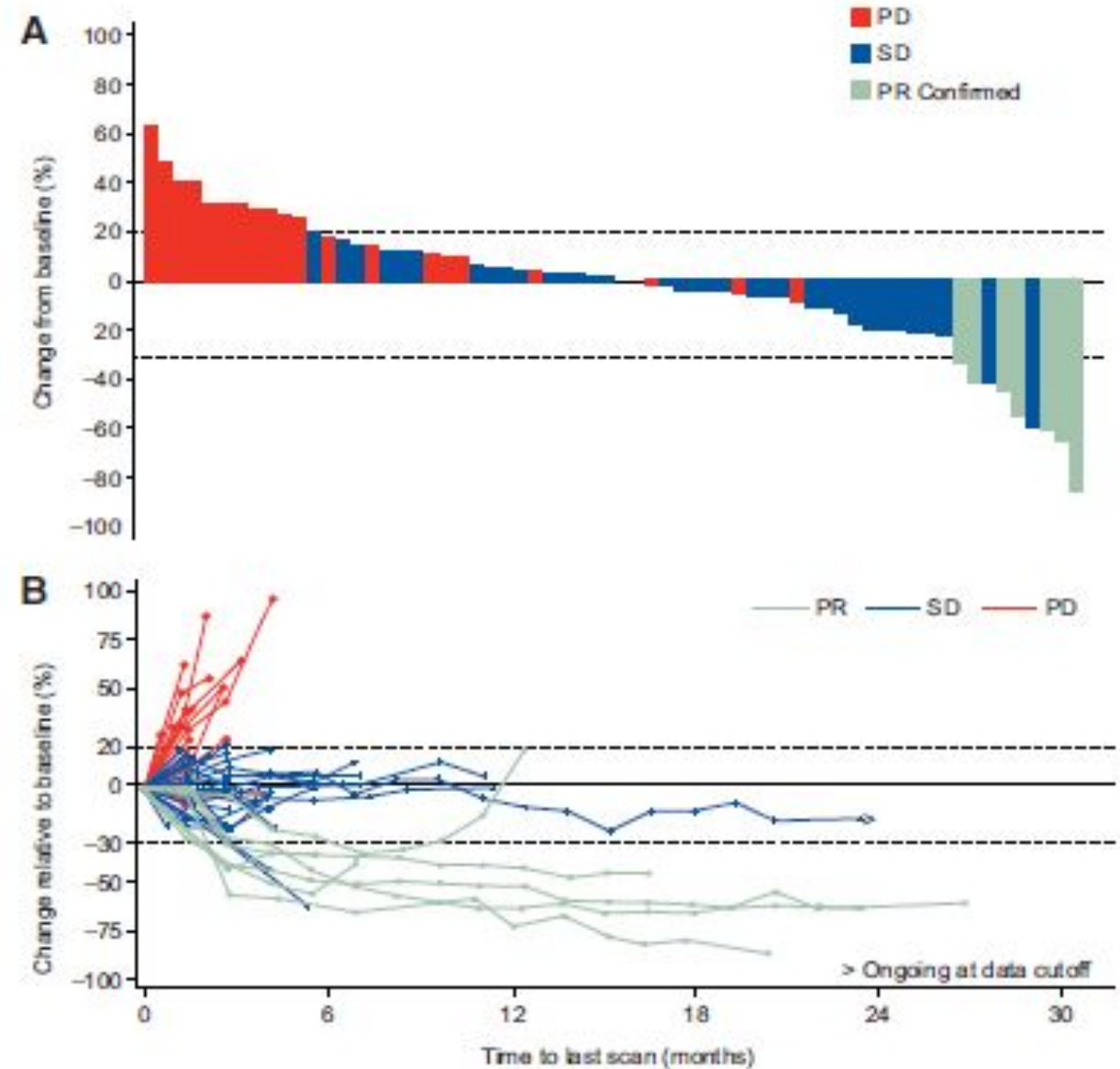
Entinostat plus Pembrolizumab in Patients with Metastatic NSCLC Previously Treated with Anti-PD-(L)1 Therapy

Matthew D. Hellmann¹, Pasi A. Jänne², Mateusz Opyrchal³, Navid Hafez⁴, Luis E. Raez⁵, Dmitry I. Gabrilovich⁶, Fang Wang⁶, Jane B. Trepel⁷, Min-Jung Lee⁷, Akira Yuno⁷, Sunmin Lee⁷, Susan Brouwer⁸, Serap Sankoh⁸, Lei Wang⁸, David Tamang⁸, Emmett V. Schmidt⁹, Michael L. Meyers⁸, Suresh S. Ramalingam¹⁰, Elaine Shum¹¹, and Peter Ordentlich⁸

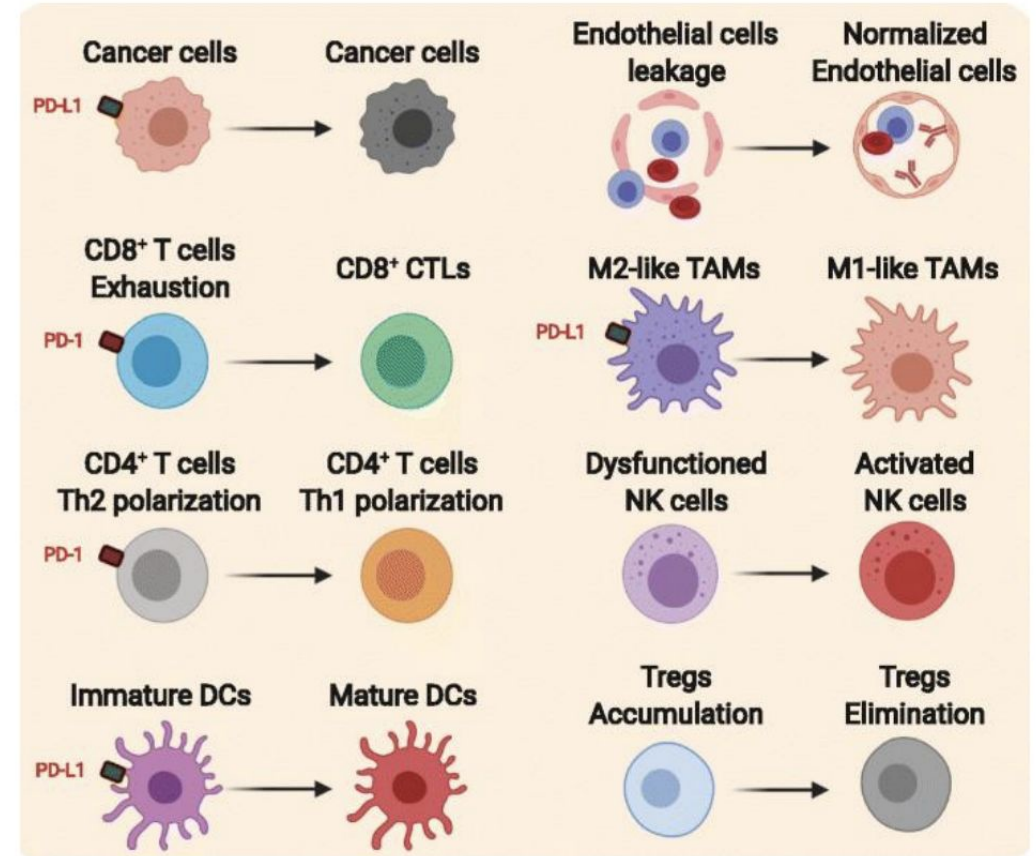
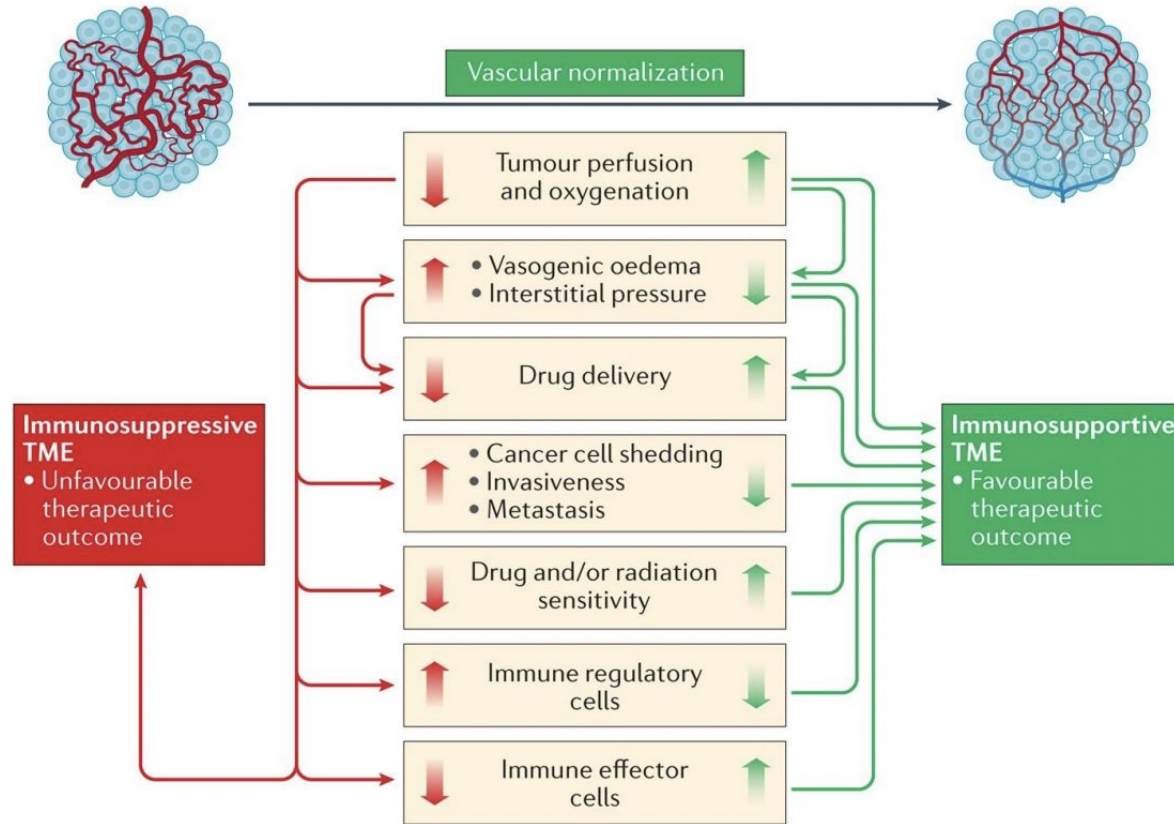


- Entinostat (ENT) is an oral class I-selective histone deacetylase inhibitor
- ENT leads to downregulation of immunosuppressive cell types in the tumor microenvironment
- Synergy with anti-PD1 inhibition in preclinical models
- Promising activity shown in combination with pembrolizumab in patients with melanoma and lung cancer

- **Objective response rate with ENT + PEMBRO was 10% (7 of 72, 95% CI: 4-19%)**
 - Median duration of response was 5.3 months
 - An additional 50% of patients achieved disease stabilization
- **Median progression-free survival = 2.8 months (95% CI: 2.1-4.1)**



Targeting angiogenesis to overcome ICI resistance



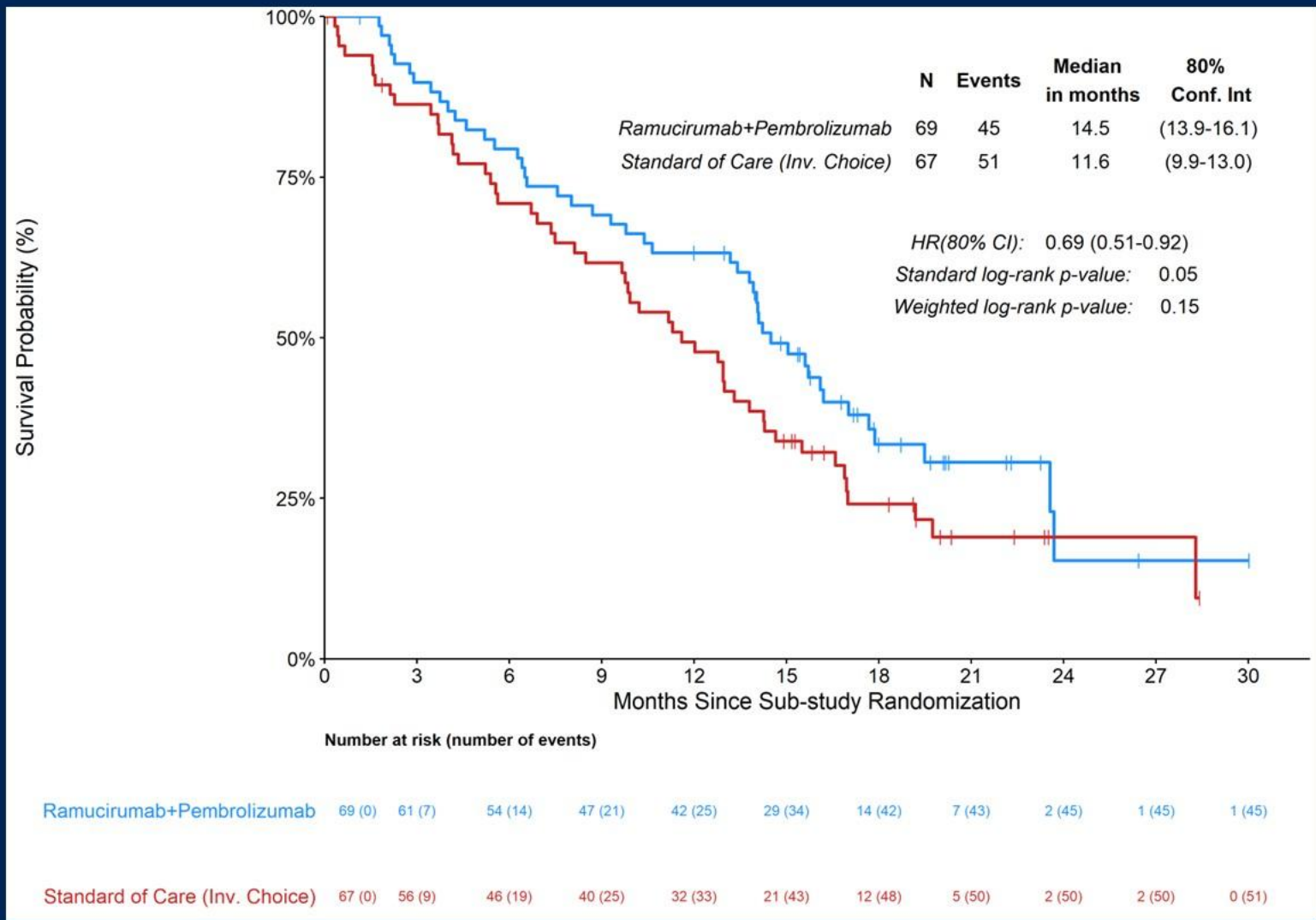
Fukumura et al., *Nat Rev Clin Oncol* 2018; Chen et al., *Biomarker Res* 2021

Overall survival from a phase II randomized study of ramucirumab plus pembrolizumab versus standard of care for advanced non-small cell lung cancer previously treated with immunotherapy—Lung-MAP non-matched sub-study S1800A

Karen L. Reckamp, M.D.¹, Mary W. Redman, PhD², Konstantin H. Dragnev, M.D.³, Liza Villaruz, M.D.⁴, Bryan Faller, MD⁵; Tareq Al Baghdadi, MD⁶, Susan Hines, MD⁷, Lu Qian, M.S.², Katherine Minichiello, M.S.², David R. Gandara, M.D.⁸, Karen Kelly, MD⁸, Roy S. Herbst, M.D., Ph.D.⁹

¹Cedars-Sinai Medical Center, Los Angeles, CA; ²SWOG Statistics and Data Management Center & Fred Hutchinson Cancer Research Center, Seattle, WA; ³Dartmouth-Hitchcock Norris Cotton Cancer Center, Lebanon, NH/Alliance for Clinical Trials in Cancer; ⁴University of Pittsburgh Medical Center (UPMC) Hillman Cancer Center; ⁵Missouri Baptist Medical Center, St. Louis, MO/Heartland NCORP; ⁶IHA Hematology Oncology Consultants-Ann Arbor/Michigan CRC NCORP; ⁷Novant Health Cancer Institute - Mount Airy/Southeast Clinical Oncology Research Consortium NCORP); ⁸UC Davis Comprehensive Cancer Center, Sacramento, CA; ⁹Yale University, New Haven, CT

Overall survival



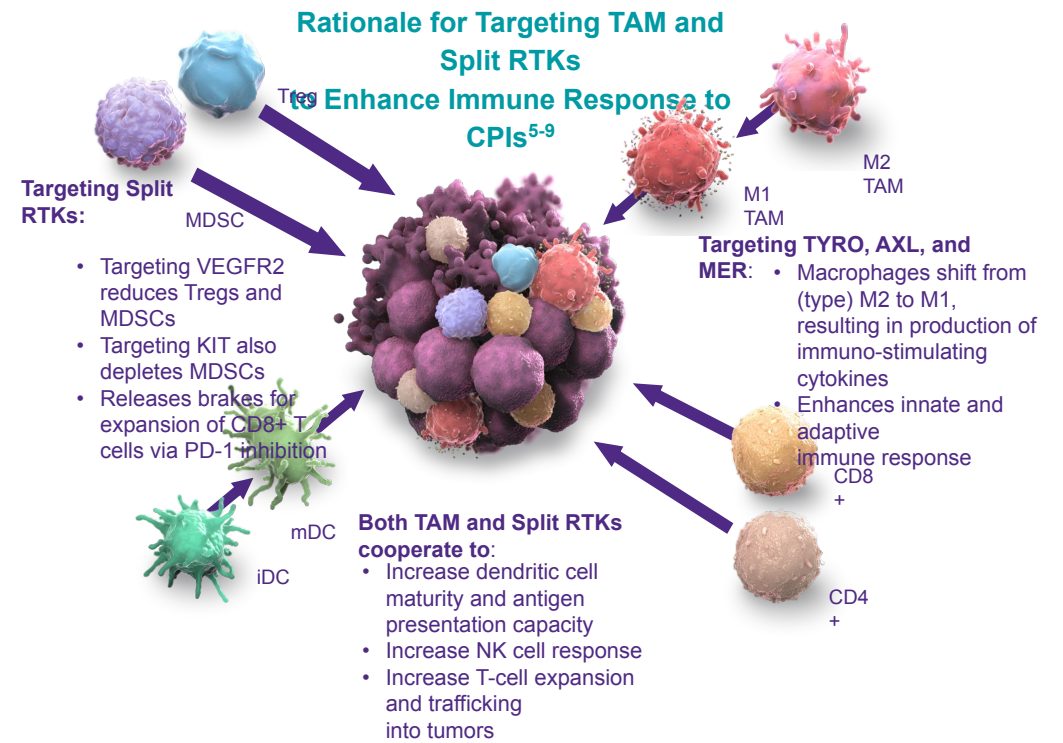
- Median OS for RP 14.5 months v. SOC 11.6 months
- HR= 0.69; SLR p-value 0.05

Standard of care therapy received:

- Docetaxel + Ramucirumab (n = 45)
- Docetaxel (n = 3)
- Gemcitabine (n = 12)
- Pemetrexed (n = 1)
- No treatment (n = 6)

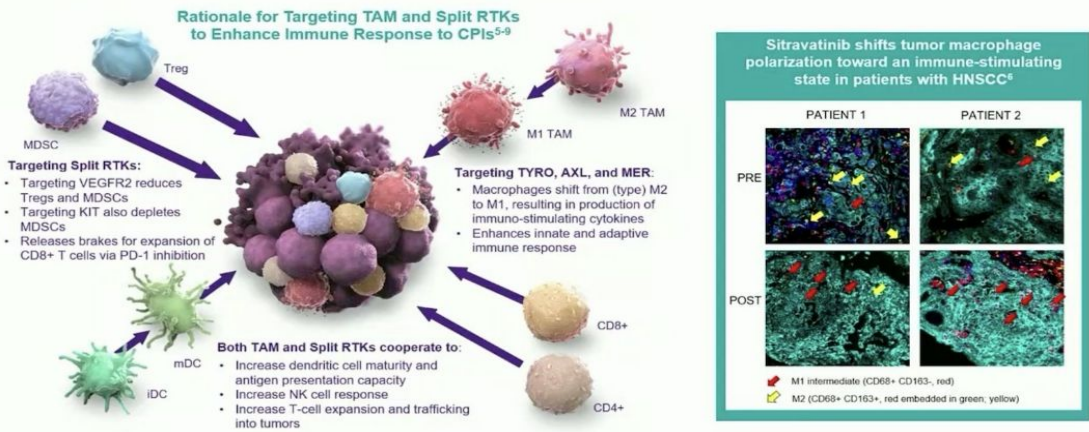
MRTX-500: Phase 2 Trial of Sitravatinib + Nivolumab in Patients With Nonsquamous Non-Small-Cell Lung Cancer Progressing on or After Prior Checkpoint Inhibitor Therapy

Ticiana A. Leal¹, David Berz², Igor I. Rybkin³, Wade T. Iams⁴, Debora S. Bruno⁵, Collin M. Blakely⁶, Alexander I. Spira⁷, Manish R. Patel⁸, David M. Waterhouse⁹, Donald A. Richards¹⁰, Anthony Pham¹¹, Robert Jotte¹², Edward B. Garon¹³, David S. Hong¹⁴, Ronald Shazer¹⁵, Xiaohong Yan¹⁵, Lisa Latven¹⁵, Kai He¹⁶



MRTX-500: Sitravatinib + Nivolumab in Nonsquamous NSCLC After CPI Therapy

Sitravatinib Is a TKI That Targets TAM Receptors (TYRO3, AXL, MERTK) and Split-Family Receptors (eg, VEGFR2)



Presented at the European Society for Medical Oncology (ESMO) Congress, 18 September 2021

MRTX-500: Sitravatinib + Nivolumab in Nonsquamous NSCLC After CPI Therapy

MRTX-500: Phase 2, Open-Label Study of Sitravatinib + Nivolumab in Patients With Nonsquamous NSCLC With Prior Clinical Benefit From Checkpoint Inhibitor Therapy

Key Eligibility Criteria (n=68)

- Advanced/metastatic nonsquamous NSCLC^a
- No actionable driver mutations
- Anti-PD-1/L1 must be the most recent line of therapy
- Prior Clinical Benefit (PCB) to CPI: CR, PR, or SD ≥12 weeks from prior CPI therapy
- No uncontrolled brain metastases
- ECOG PS 0-2

→

Sitravatinib 120 mg QD + nivolumab

Primary Endpoint:

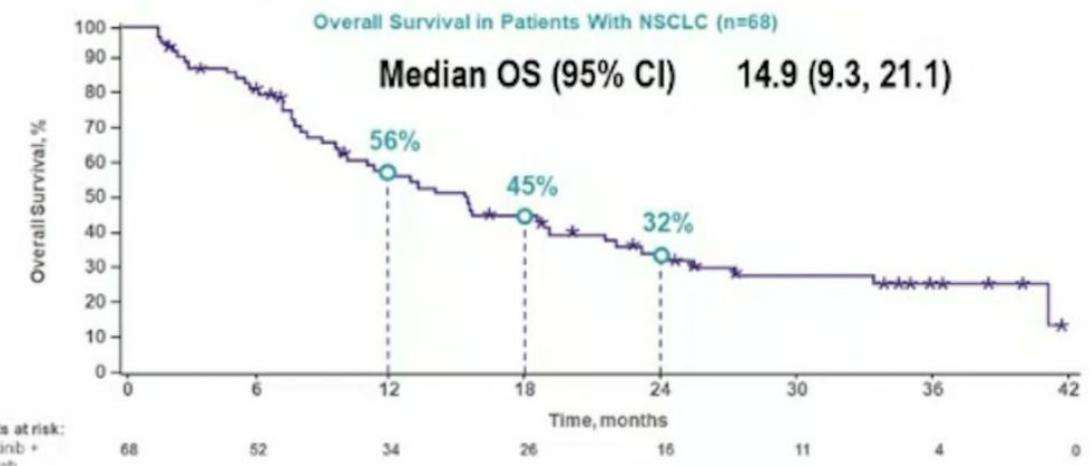
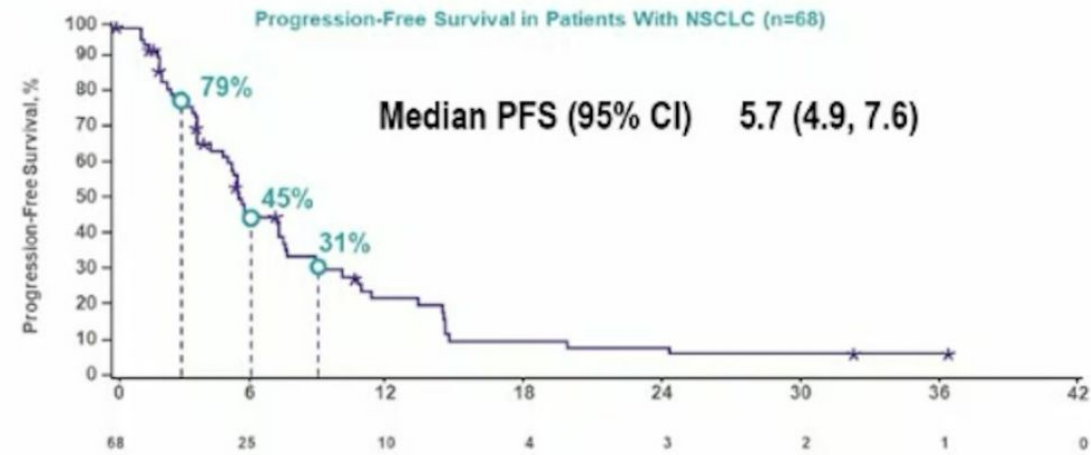
- Objective Response Rate^b (ORR), as defined by RECIST 1.1

Secondary Endpoints:

- Safety and tolerability
- DOR
- CBR
- PFS
- OS
- 1-year survival rate

Here we report updated efficacy and safety with sitravatinib + nivolumab in the 2L or 3L setting in patients with nonsquamous NSCLC who have experienced clinical benefit on a prior CPI and subsequent disease progression

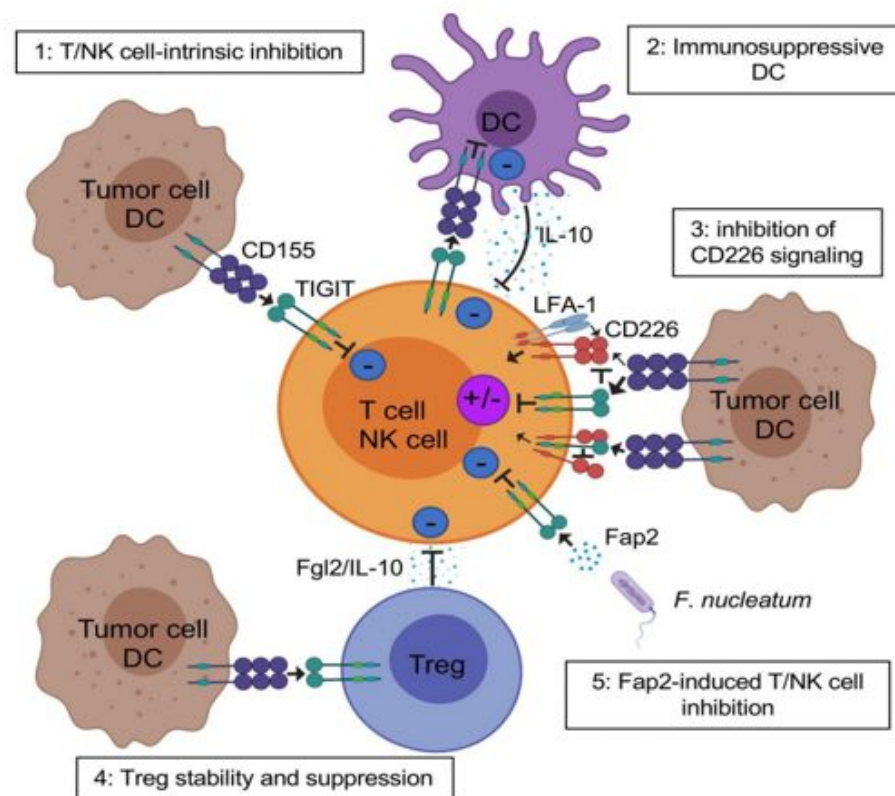
Data as of 1 June 2021
^aAdditional cohorts included a CPI-experienced cohort that did not receive prior clinical benefit from CPI therapy (radiographic progression of disease <12 weeks after initiation of treatment with CPI) and a CPI-naïve cohort in patients that were previously treated with platinum-based chemotherapy. ^bObjective response rate based on investigator assessment. Dosing: sitravatinib free base formulation, nivolumab, 240 mg Q2W or 480 mg Q4W. Treatment discontinuation could be due to (but is not limited to) disease progression, global health deterioration, AEs, protocol violation, lost to follow-up, refusal of further treatment, study termination, or death.
 Presented at the European Society for Medical Oncology (ESMO) Congress, 18 September 2021



TIGIT

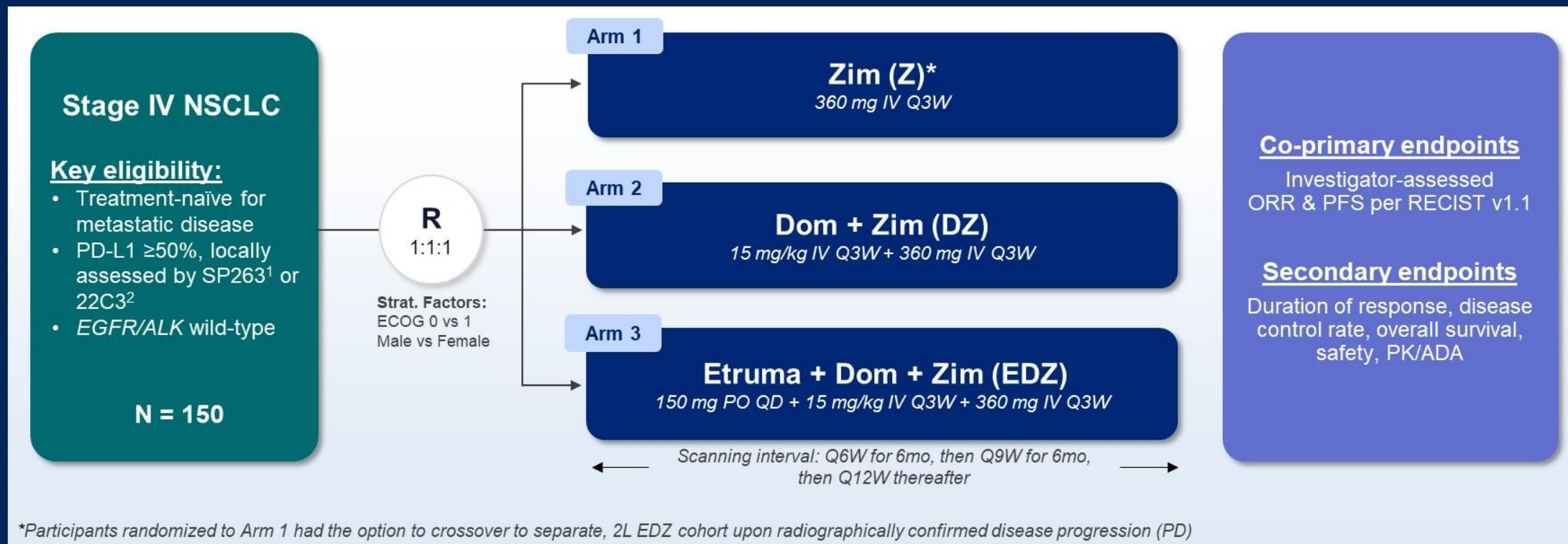
- **TIGIT/CD155:**
- Directly inhibits T cells
- Triggers **IL-10** production, **IL-12** decrease from **APCs**
= Indirectly inhibits T cells
- Enhances immunosuppressive **Treg** function
- Interaction with **gut microbiome**: Binds with *Fusobacterium nucleatum*
= Inhibitory signaling

Mechanisms of TIGIT inhibition of T cells in TME



Joe-Marc Chauvin, and Hassane M Zarour *J Immunother Cancer* 2020;8:e000957

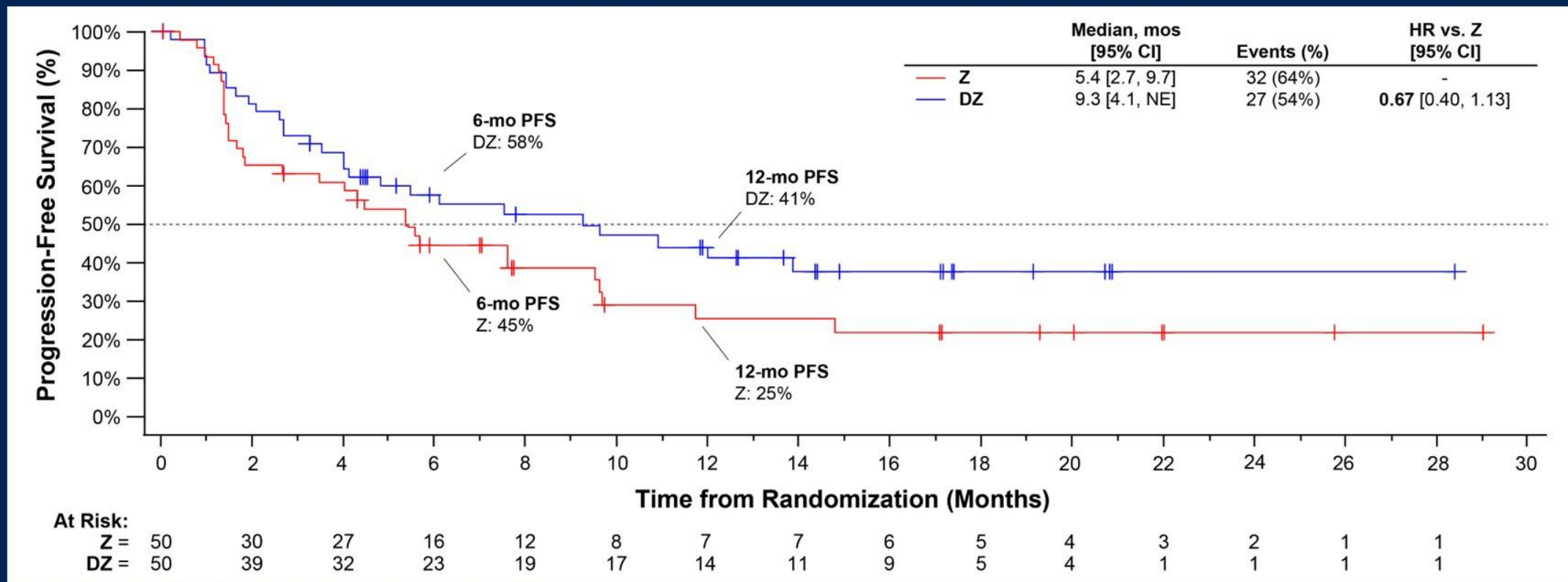
ARC-7: Randomized, Open-label, Phase 2 Study in First-Line, Metastatic, PD-L1-High NSCLC



ADA: anti-drug antibody, Dom: domvanalimab, Etruma: etrumadenant, ORR: objective response rate, PFS: progression-free survival, PK: pharmacokinetics; R: randomized; Zim: zimberelimab; Q3W: every three weeks
¹Ventana SP263 assay; ²PharmDx 22C3 assay

Progression-Free Survival (mITT)

Zim Monotherapy vs. Dom + Zim Doublet



CI: confidence interval; HR: hazard ratio; Mos: months; NE: not evaluable

Addition of dom to zim resulted in 33% reduction in risk of progression or death as compared to zim alone

Conclusions

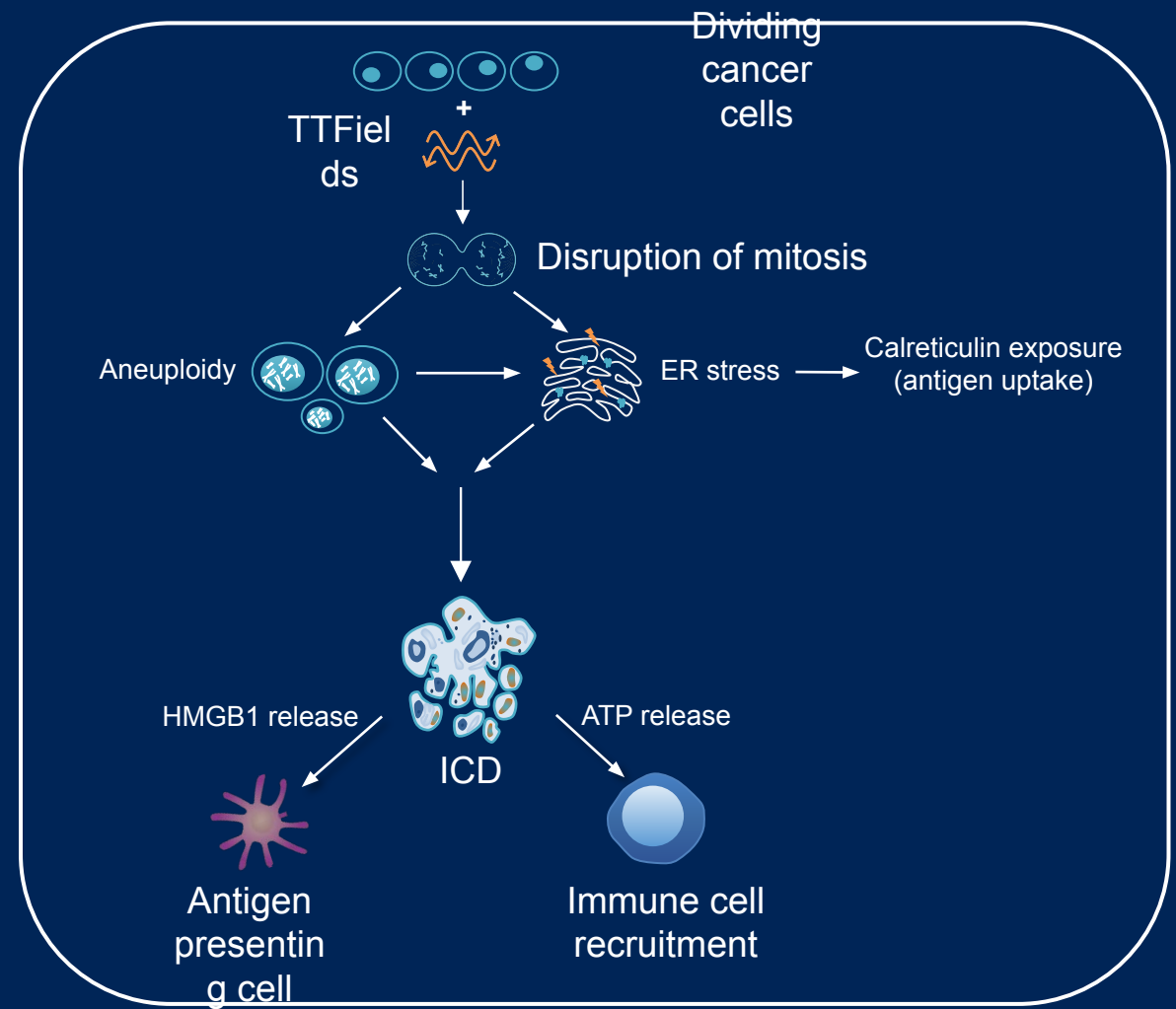
- In an updated analysis of ARC-7, with longer median follow-up of 18.5 months, dom-containing arms continued to demonstrate clinically meaningful improvement in ORR and PFS as compared to zim monotherapy. Specifically, TIGIT combinations resulted in:
 - Greater ORR, Δ : +10 to 14%, compared to zim alone
 - Approximately 30% reduction in risk of progression or death compared to zim alone
- Clinical activity and safety of zim performed as expected with agents in the anti-PD-1 class
- Dom + zim combinations with or without etruma were generally well-tolerated with similar, manageable safety profiles across all arms
 - Rates of infusion-related reactions were low across dom-containing arms (4 – 12%), as intended with the Fc-silent design of dom
- The data presented support the ongoing phase 3 studies with domvanalimab: ARC-10 (NCT04736173), STAR-121 (NCT05502237), STAR-221 (NCT05568095) and PACIFIC-8 (NCT05211895)

Current trials in Stage IV NSCLC targeting TIGIT

	VELOCITY-Lung	STAR-121	ARC-7	KEYVIBE-007	KEYVIBE-003	SKYSCRAPER-01	CITYSCAPE
	NCT05633667	NCT05502237	NCT04262856	NCT05226598	NCT04738487	NCT04294810	NCT03563716
Anti-TIGIT	<u>Domvanalimab (DOM)</u>	<u>Domvanalimab (DOM)</u>	<u>Domvanalimab</u>	<u>Vibostolimab*</u>	<u>Vibostolimab*</u>	<u>Tiragolumab</u>	<u>Tiragolumab</u>
Immunotherapy	<u>Zimberelimab (ZIM)</u>	<u>Zimberelimab (ZIM)</u>	<u>Zimberelimab (ZIM)</u>	Pembrolizumab*	Pembrolizumab*	Atezolizumab	Atezolizumab
Additional Tx	Sacituzumab govitecan (SG)/ <u>Etrumadenant (ETRUMA)</u>	Chemotherapy	<u>Etrumadenant (ETRUMA)</u>	Chemotherapy	n/a	n/a	n/a
Control Arm	SOC	Pembrolizumab + CT	<u>Zimberelimab</u>	Pembrolizumab + CT	Pembrolizumab	Placebo + Atezolizumab	Placebo + Atezolizumab
Line of Therapy	1 L	1L	1L	1L	1L	1L	1L
Histology	NSQ	NSQ/SQ	NSQ/SQ	NSQ/SQ	NSQ/SQ	NSQ/SQ	NSQ/SQ
Patient Population	Non-AGA	No EGFR/ALK	PD-L1 >50% No EGFR/ALK	Non-AGA	No EGFR/ALK/ROS1 PD-L1 ≥1%	Non-AGA PD-L1 ≥50%	CT Naïve
Start Date	Not Yet Recruiting	October 2022	May 2020	March 2022	April 2021	March 2020	August 2018
Estimated Completion Date	January 2027	December 2027	February 2024	September 2025	April 2026	February 2025	June 2019
Primary Outcome	ORR	PFS/OS	ORR/PFS	PFS/OS	OS	PFS/OS	ORR: 31.3% PFS: 5.4 months
Trial Type	Phase II	Phase III	Phase II	Phase III	Phase III	Phase III	Phase II

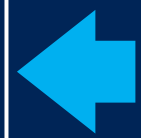
*Coformulation (MK-7684A)

Tumor Treating Fields (TTFields) Mechanism of Action



- TTFields are electric fields that exert physical forces on electrically charged components in dividing cancer cells, leading to an antimetabolic effect^{1,2}

- Downstream effects include cell stress-induced immunogenic cell death (ICD), triggering a systemic anti-tumor immune response^{3,4}

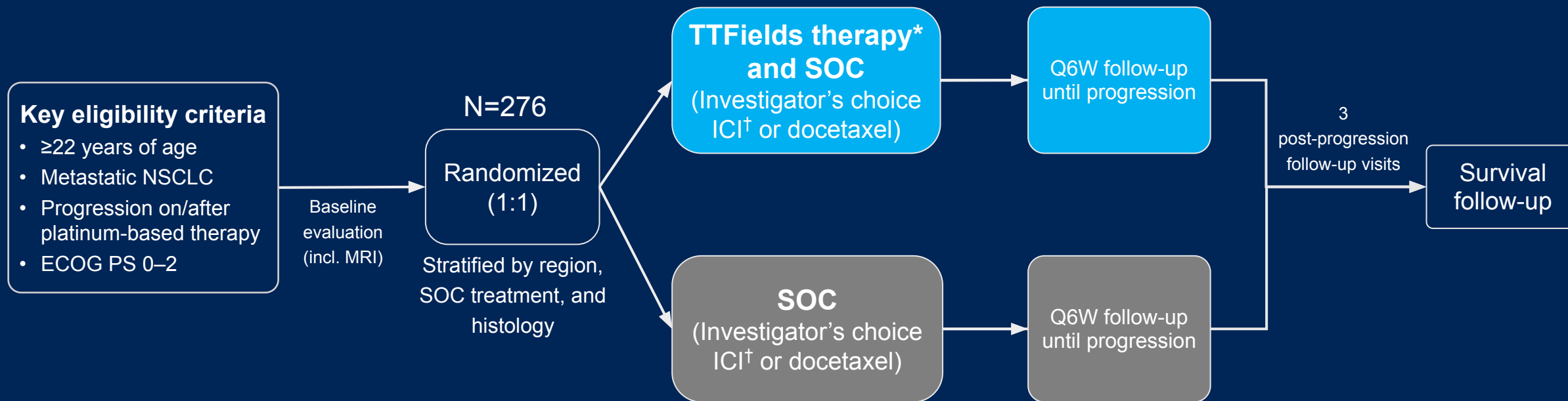


ATP, adenosine triphosphate; ER, endoplasmic reticulum; HMGB1, high mobility group box 1 protein; ICD, immunogenic cell death; TTFields, Tumor Treating Fields.
 1. Mun EJ et al. *Clin Cancer Res.* 2018;24(2):266–275; 2. Giladi M et al. *Sci Rep.* 2015;5:18046; 3. Voloshin T et al. *Cancer Immunol Immunother.* 2020;69(7):1191–1204;
 4. Barsheshet Y et al. *In Vitro Mol Sci.* 2022;23(22):14073. Figure adapted from: Shteingauz A et al. *Cell Death Dis.* 2018;9(11):1074.



LUNAR Phase 3 Study Design

Objective: To evaluate safety and efficacy of TTFIELDS therapy with standard of care (SOC) compared to SOC alone in metastatic NSCLC progressing on or after platinum-based therapy



Data cut-off: November 26, 2022

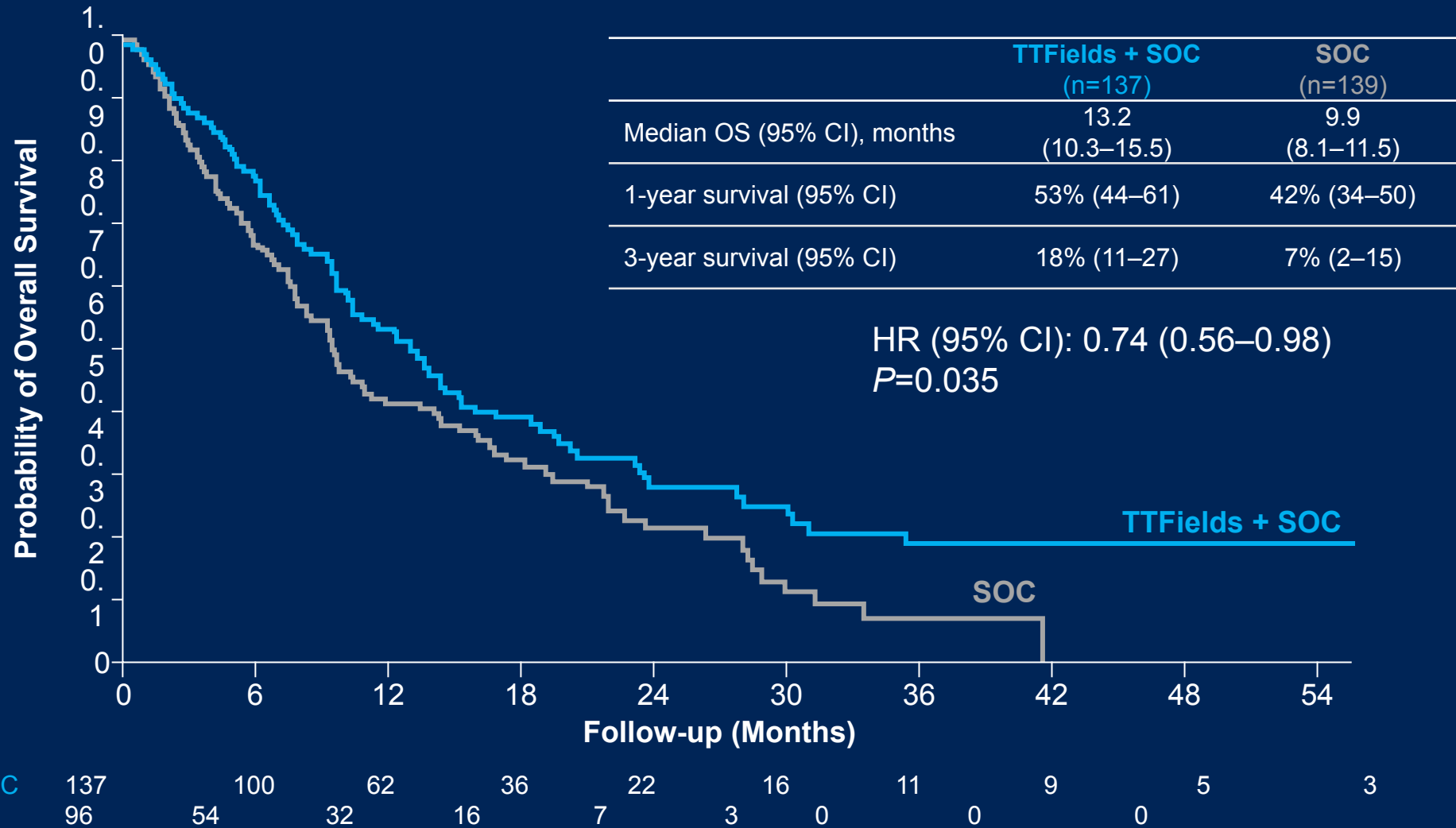
Study sites: 124 in 17 countries (North America, Europe, Asia)

*150 kHz; ≥18 h/day; †pembrolizumab, nivolumab, or atezolizumab.

ECOG PS, Eastern Cooperative Oncology Group performance status; ICI, immune checkpoint inhibitor; MRI, magnetic resonance imaging; NSCLC, non-small cell lung cancer; Q6W, every 6 weeks; SOC, standard of care; TTFIELDS, Tumor Treating Fields.



Overall Survival in the ITT Population

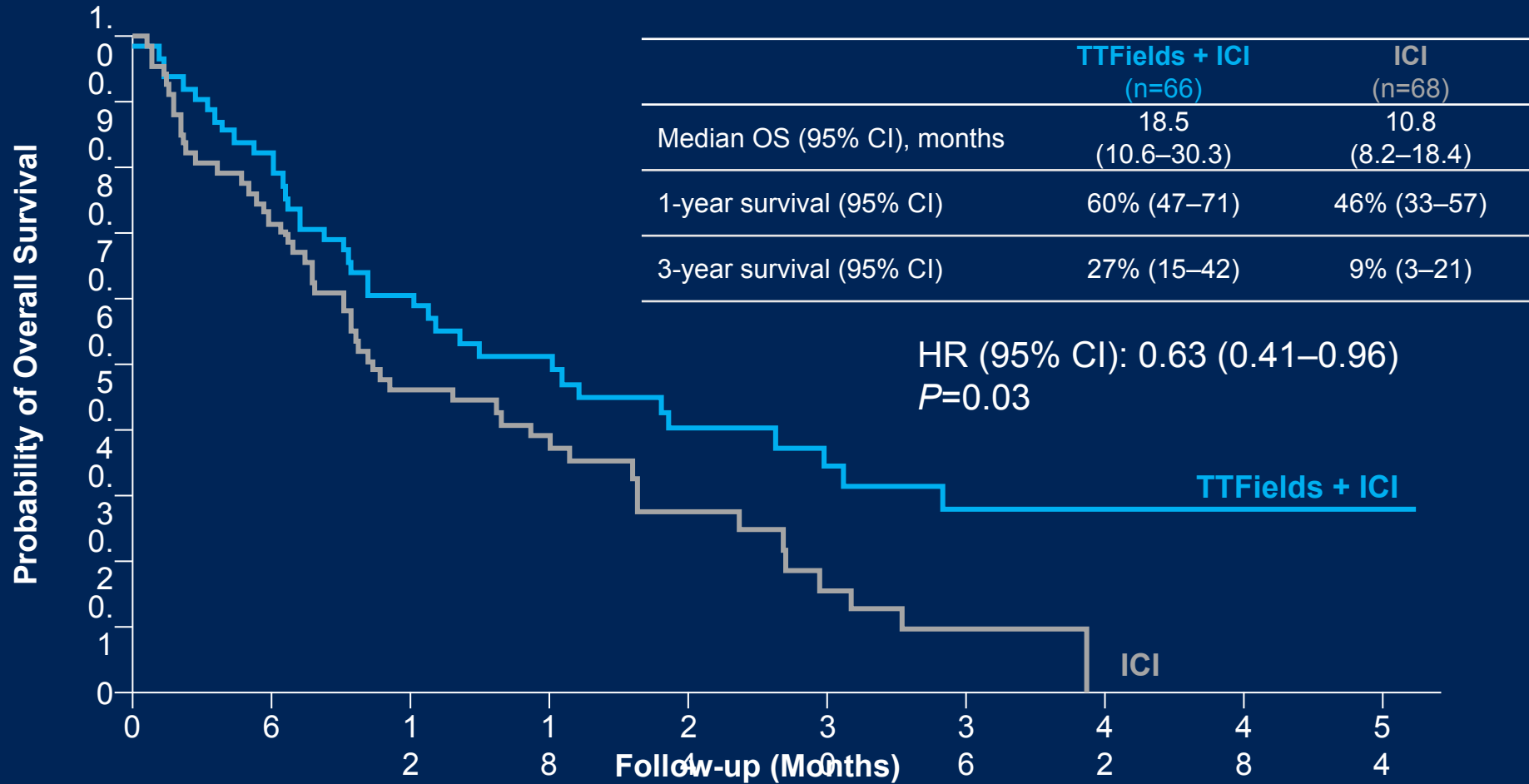


CI, confidence interval; HR, hazard ratio; ITT, intent-to-treat; OS, overall survival; SOC, standard of care; TTFIELDS, Tumor Treating Fields.

Median (range) follow-up: 10.0 (0.03–58.7) months



Overall Survival in ICI-Treated Patients



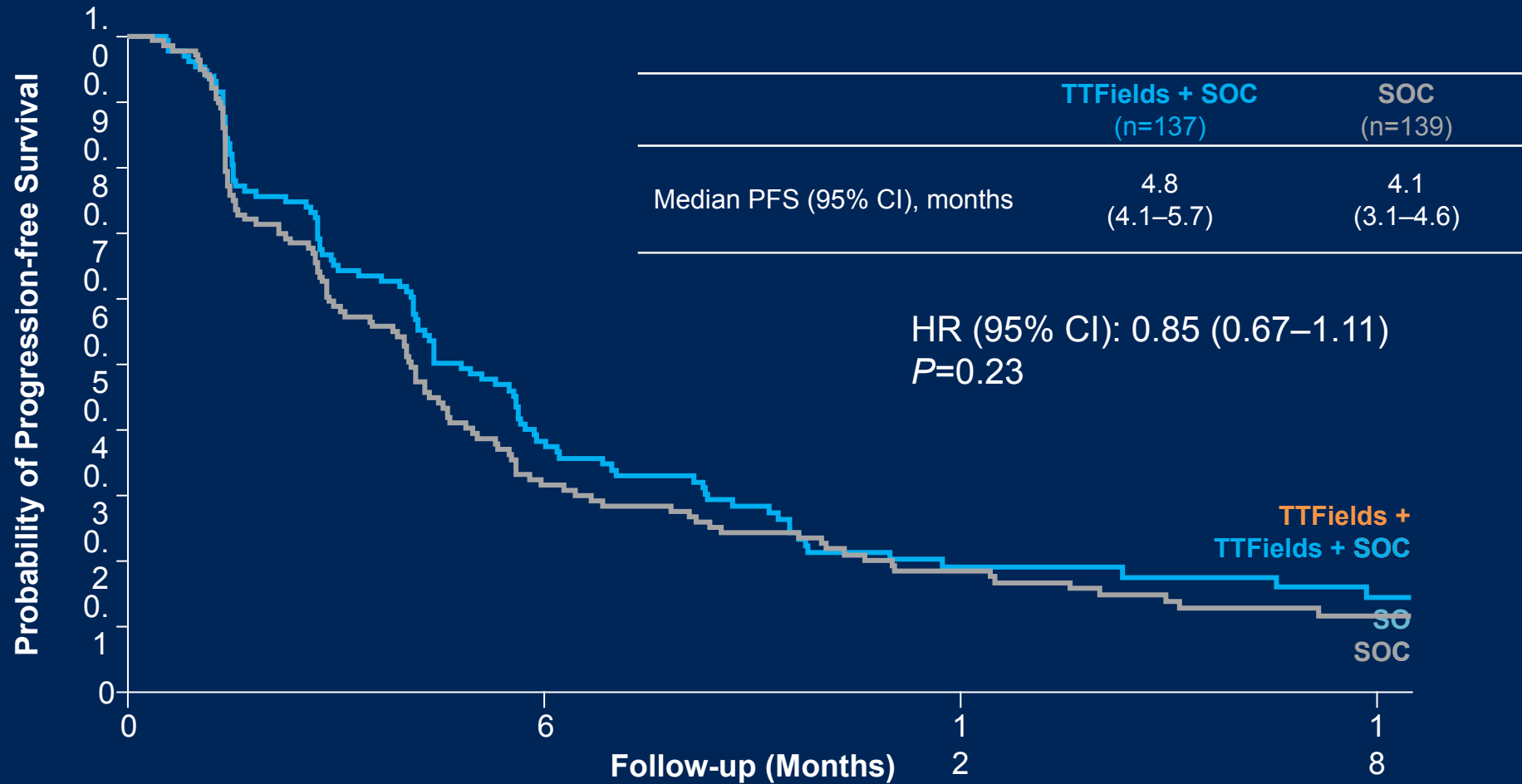
No. at Risk:

Follow-up (Months)	0	6	12	18	24	30	36	42	48	54
TTFields + ICI	66	50	35	24	16	12	8	6	6	4
ICI	68	49	29	21	11	6	3	0	0	0

CI, confidence interval; HR, hazard ratio; ICI, immune checkpoint inhibitor; OS, overall survival; TTFields, Tumor Treating Fields.



Progression-free Survival in the ITT Population



No. at risk:

	0	3	6	9	12	15	18
TTFIELDS + SOC	137	44	17	9			
SOC	139	40	21	9			

PFS was defined as the time from date of randomization until date of disease progression, or death by any cause.
CI, confidence interval; HR, hazard ratio; ITT, intent-to-treat; PFS, progression-free survival; SOC, standard of care; TTFIELDS, Tumor Treating Fields.



Conclusions

- Pivotal, phase 3 LUNAR study met its primary endpoint
- TTFIELDS therapy with SOC provided a statistically significant and clinically meaningful 3-month improvement in median OS vs SOC (HR: 0.74, $P=0.035$) with no added systemic toxicities
- Statistically significant ~8-month increase in median OS (from 10.8 to 18.5 months) was demonstrated with TTFIELDS therapy and an ICI (HR: 0.63, $P=0.030$)
- There was a 2.4-month difference in median OS (from 8.7 to 11.1) for TTFIELDS therapy and docetaxel vs docetaxel alone (HR: 0.81, $P=0.28$)
- TTFIELDS therapy should be considered part of SOC for metastatic NSCLC following progression on or after platinum-based therapy
- Additional studies evaluating TTFIELDS therapy with current SOC for first-line metastatic and locally advanced NSCLC are underway
- TTFIELDS therapy is a potentially paradigm shifting new treatment modality

HR, hazard ratio; ICI, immune checkpoint inhibitor; NSCLC, non-small cell lung cancer; OS, overall survival; SOC, standard of care; TTFIELDS; Tumor Treating Fields.





Thanks

