

ESMO PRECEPTORSHIP ON LUNG CANCER

First line treatment for advanced NSCLC without oncogenic addiction

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26-27 January 2024, Rabat, Morocco



DECLARATION OF INTERESTS

During the 5 last years, Céline Mascaux received honorary or funding to participate to meeting, or participated to experts groups from Roche, Astrazeneca, Kephren, Bristol-Myers Squibb, Pfizer, Sanofi, MSD, Amgen, Takeda, Janssens

European Patent Application EP19305434.3 was filed on 2 April 2019 by Inserm, Université Paris Descartes, Université Paris Diderot, Sorbonne Université, Université Aix-Marseille, APHM and Université Libre de Bruxelles, and European Patent Application EP19305535.7 was filed on 26 April 2019 by Inserm, Université Paris Descartes, Université Paris Diderot, Sorbonne Université, Université Aix-Marseille, APHM and Université Libre de Bruxelles. The inventors designation is in progress.

Immunotherapy : a very old idea



William Coley

AMERICAN JOURNAL OF THE MEDICAL SCIENCES.

MAY, 1893.

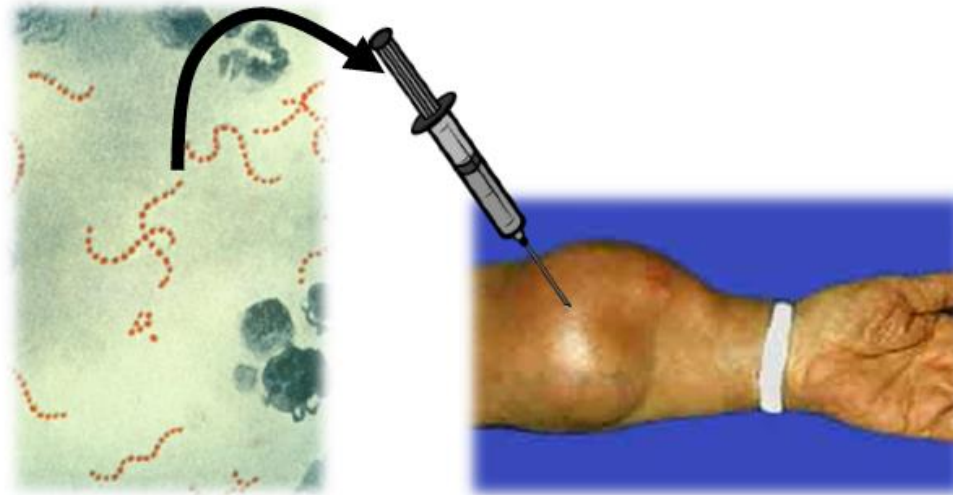
THE TREATMENT OF MALIGNANT TUMORS BY REPEATED
INOCULATIONS OF ERYSIPELAS: WITH A REPORT OF
TEN ORIGINAL CASES.¹

By WILLIAM B. COLEY, M.D.,

ASSISTANT SURGEON TO THE HOSPITAL FOR RUPTURED AND CRIPPLED; INSTRUCTOR IN SURGERY
IN THE POST-GRADUATE MEDICAL SCHOOL, NEW YORK.

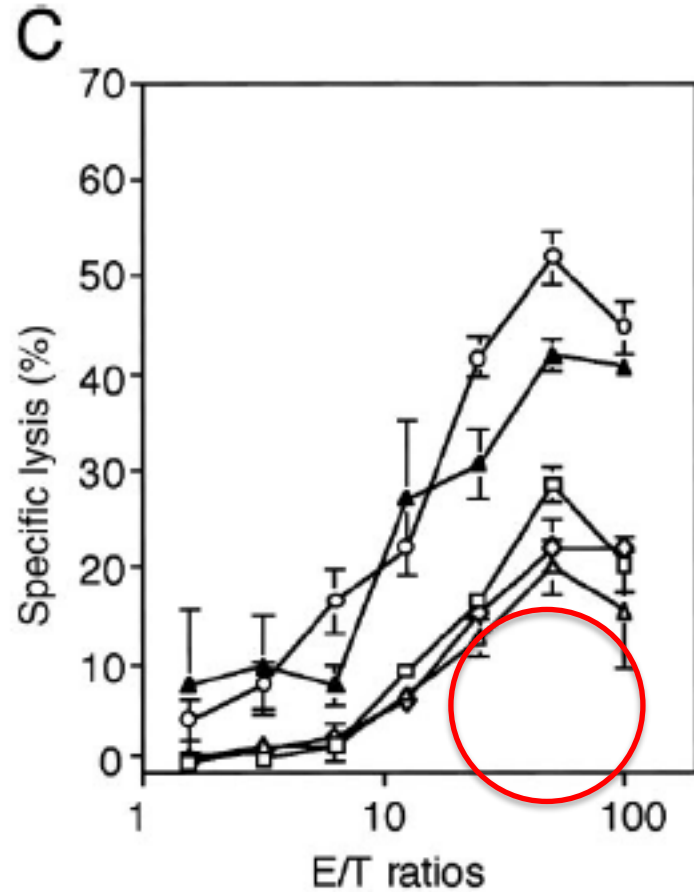
“...on May 2, 1891,
I inoculated a case of
sarcoma”

“At the end of two
weeks, the tumor had
disappeared”



Streptococcus pyogenes

PD-L1 : CANCER IMMUNOTOLERANCE



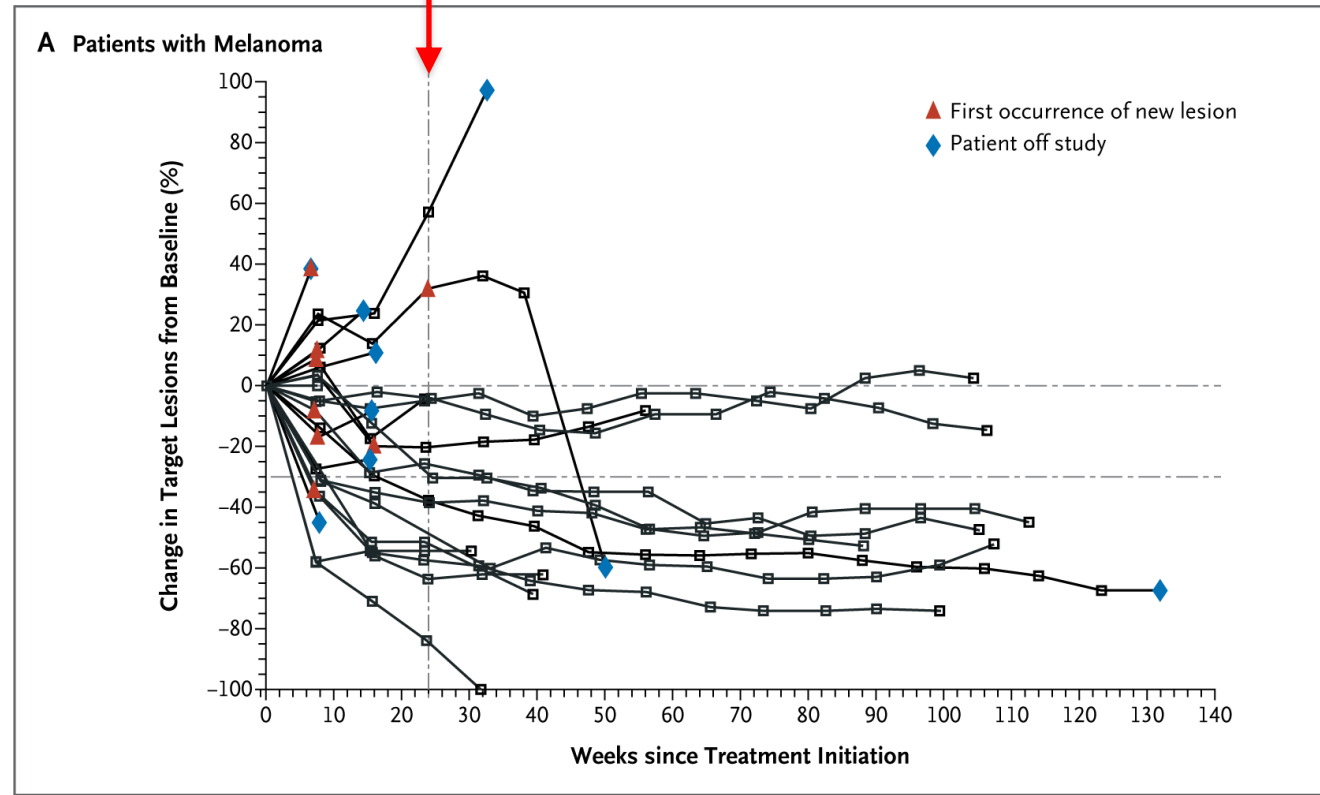
Tumor cells that were transfected for PD-L1 are less destroyed by cytotoxic lysis

Iwai et al. PNAS (2002)

DURABLE RESPONSE BY PD-1 BLOCKADE

“Responses were durable; 20 of 31 responses lasted 1 year or more after stopping therapy.”

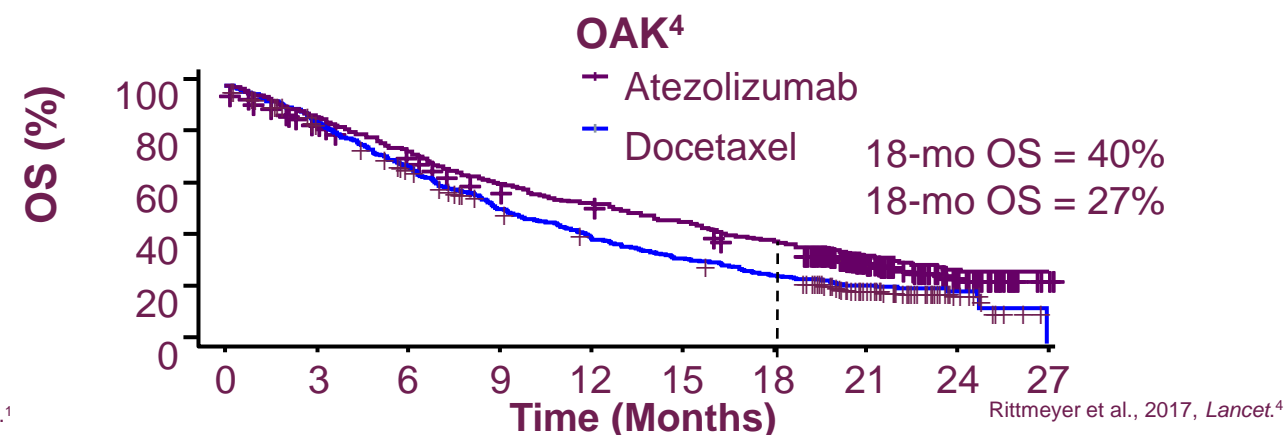
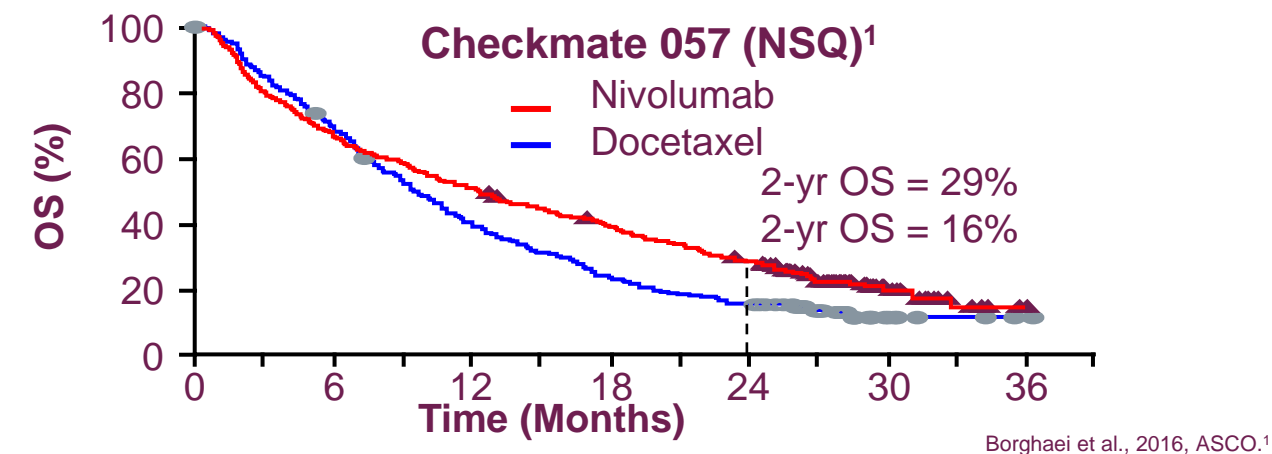
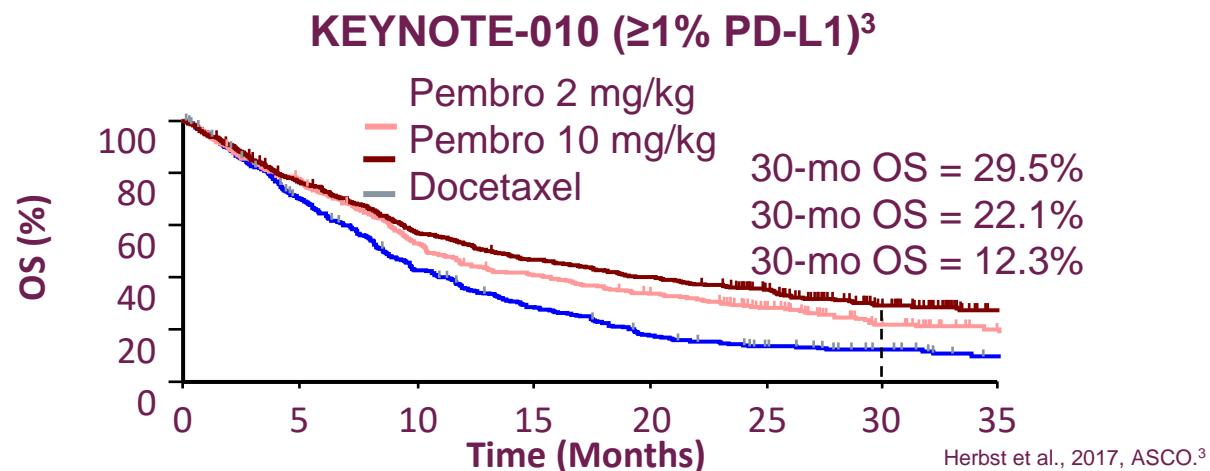
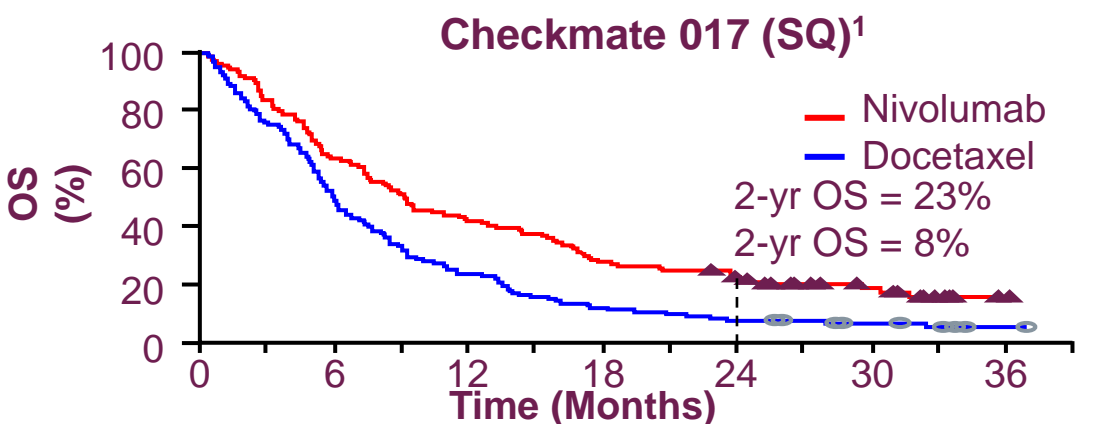
stop treatment



From Topalian et al. NEJM 2012

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2015-2016: checkpoint inhibitors for previously treated

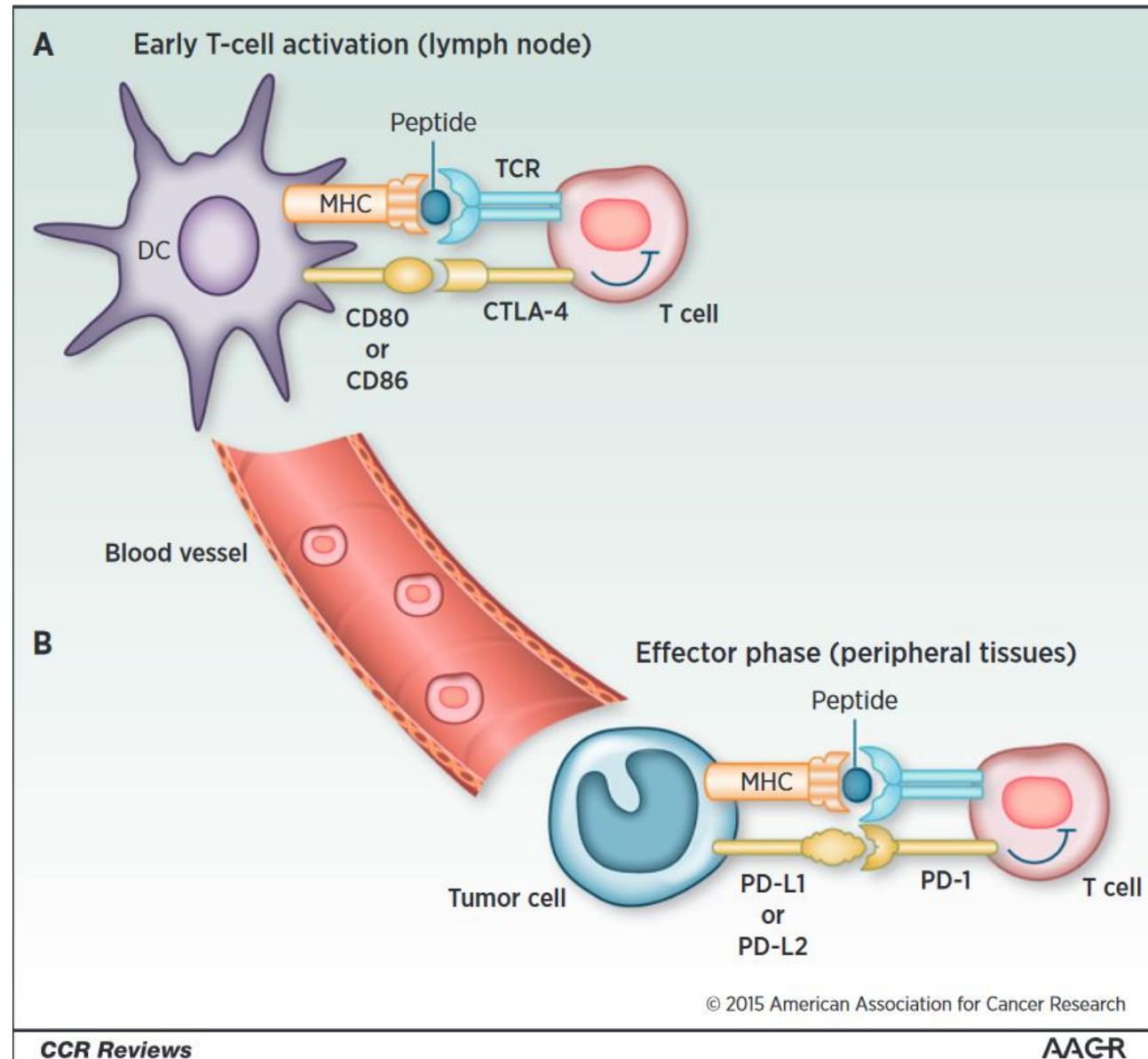


Immunotherapy... new actors



AntiPD1
Nivolumab
Pembrolizumab
Cemiplimab
Tislelizumab
Camrelizumab
Pidilizumab
Sintilimab
Toripalimab
Dostarlimab

AntiPDL1
Atezolizumab
Avelumab
Durvalumab
Sugemalimab



AntiCTLA4
Ipilimumab
Tremelimumab

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Anagnostou, V. K. & Brahmer, J. R. Cancer Immunotherapy: A Future Paradigm Shift in the Treatment of Non-Small Cell Lung Cancer. Clin Cancer Res 21, 976-984 (2015).





IO AS MONOTHERAPY

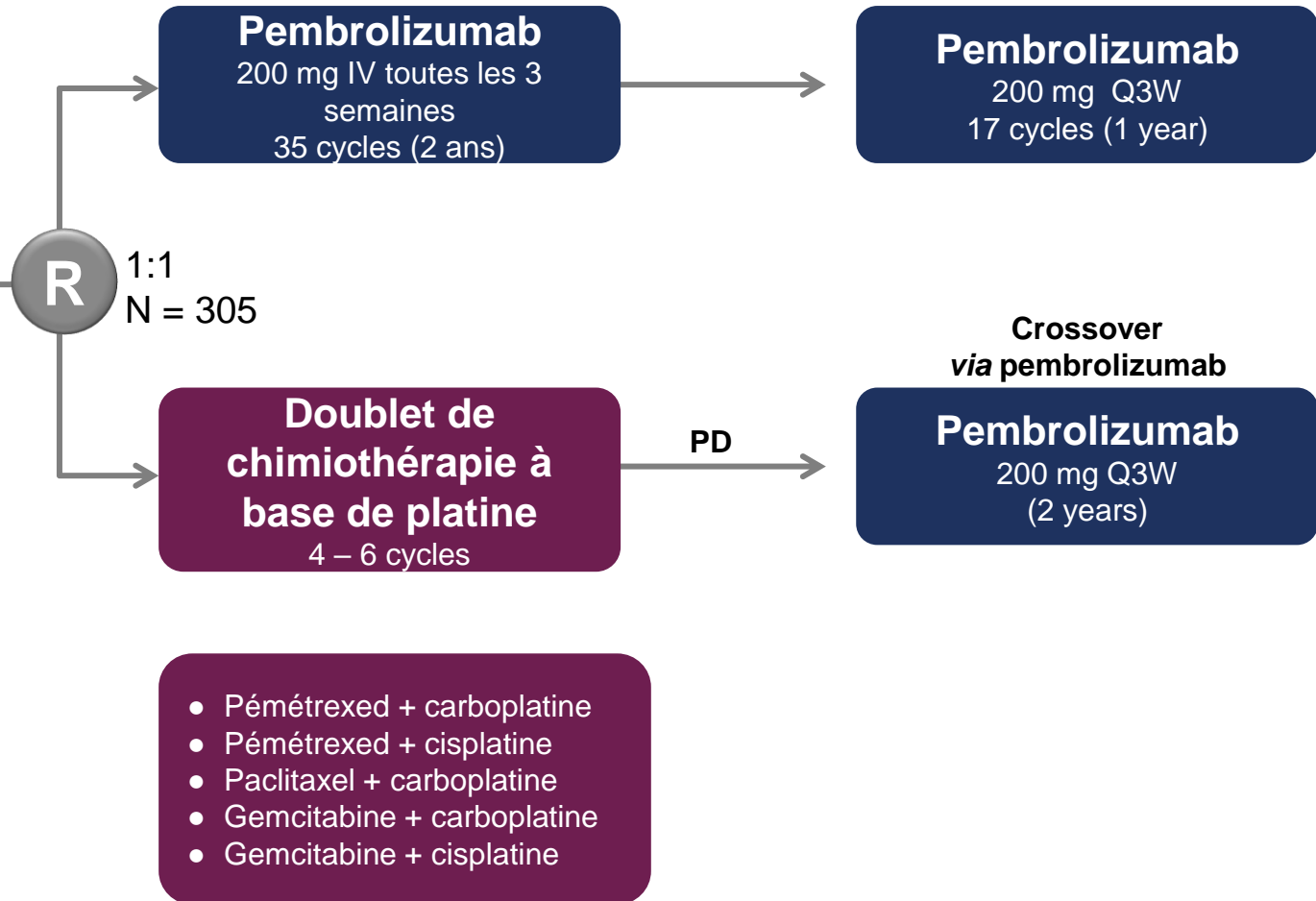
KEYNOTE 024 : DESIGN DE L'ÉTUDE



Principaux critères d'inclusion

- CBNPC stade IV non traité
- PD-L1 TPS $\geq 50\%$
- ECOG PS 0-1
- Pas de mutation activatrice de l'*EGFR* ni translocation de *ALK*
- Pas de métastases cérébrales non traitées
- Pas de maladie auto-immune active nécessitant un traitement systémique

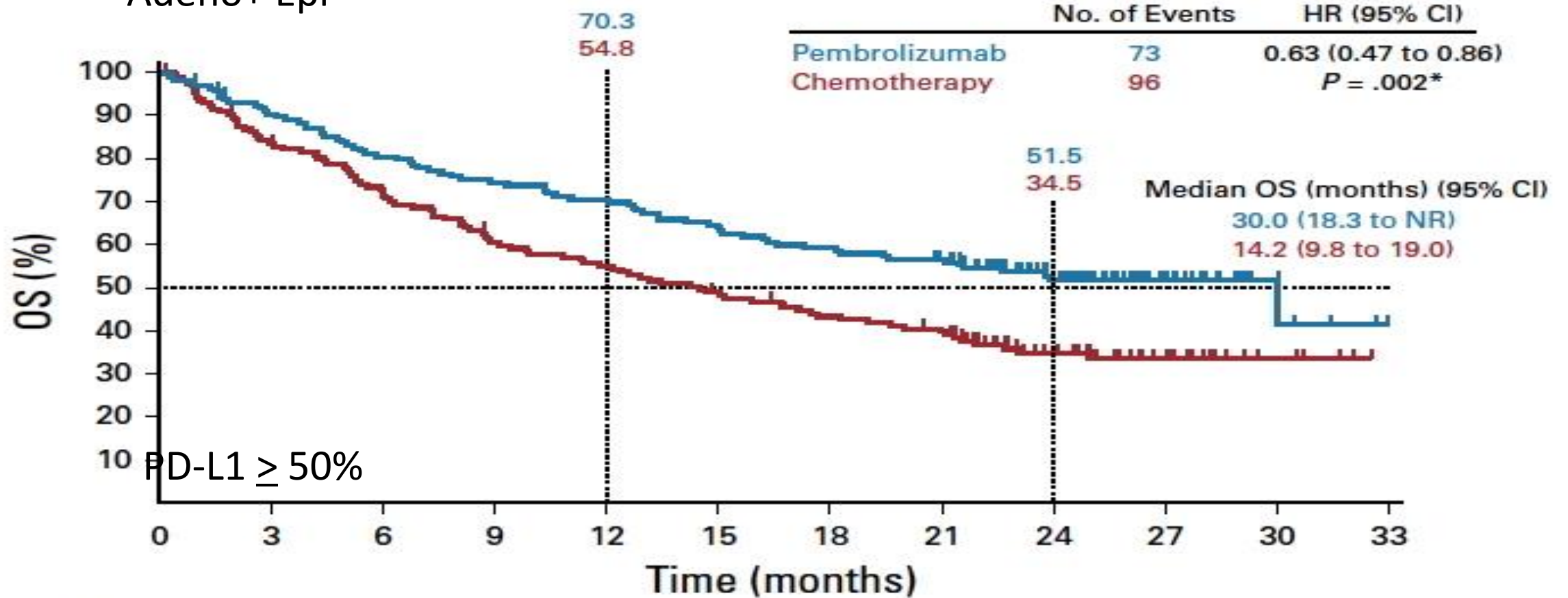
- **Critère principal : SSP** (RECIST v1.1) par comité de revue centralisé indépendant en aveugle)
- **Critère secondaire clé : SG**
- **Autres critères secondaires :** ORR, tolérance, SSP (RECIST v1.1) selon l'investigateur
- **Critère exploratoire :** DDR



KN-024: 1st update, JCO, jan 2019

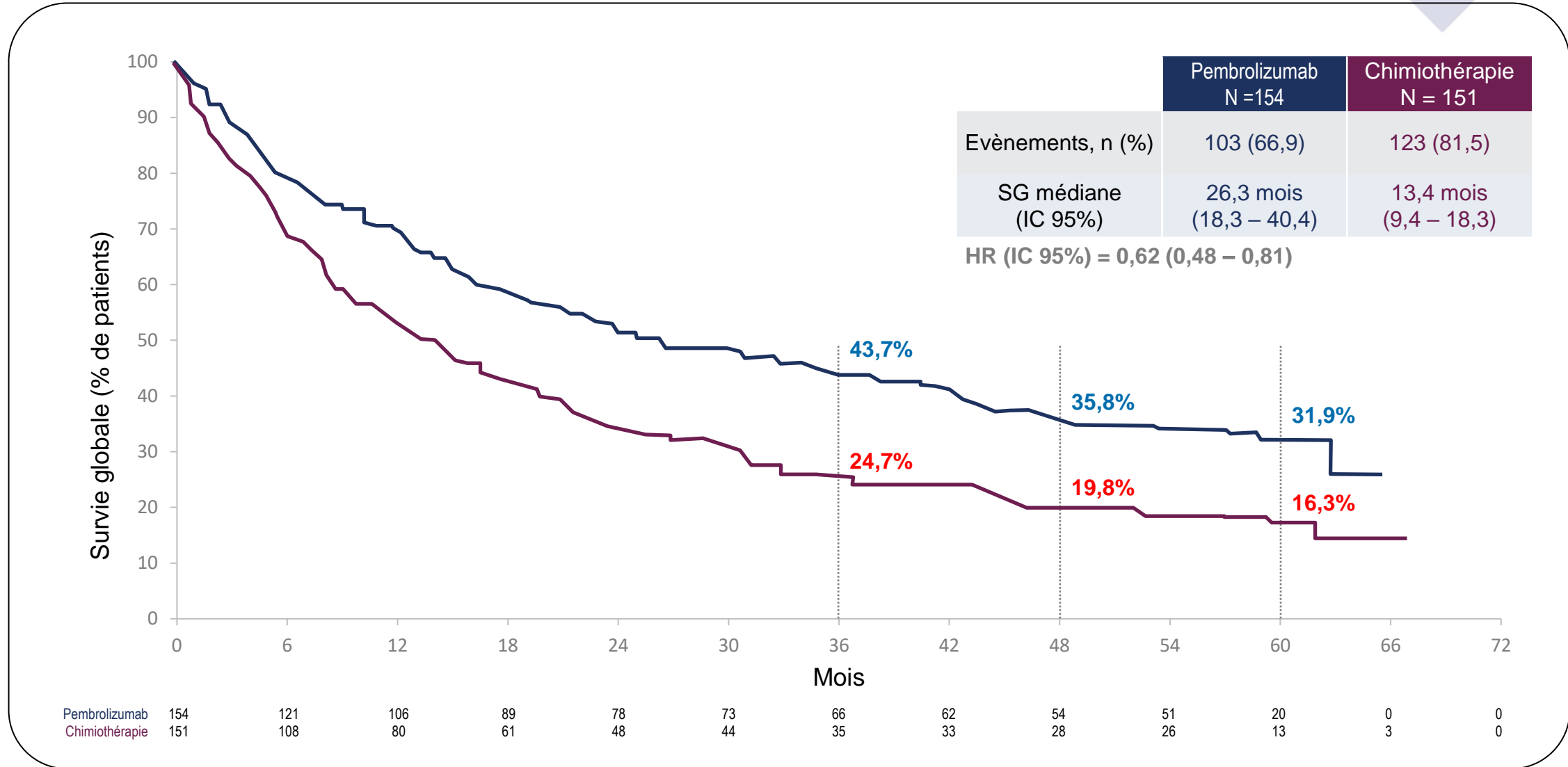


Adéno+ Epi



No. at risk:		0	3	6	9	12	15	18	21	24	27	30	33
Pembrolizumab	154	136	121	112	106	96	89	83	52	22	5	0	0
Chemotherapy	151	123	107	88	80	70	61	55	31	16	5	0	0

KEYNOTE 024 : OVERALL SURVIVAL



Pembrolizumab versus chemotherapy for previously untreated, PD-L1-expressing, locally advanced or metastatic non-small-cell lung cancer (KEYNOTE-042): a randomised, open-label, controlled, phase 3 trial

Tony SK Mok, Yi-Long Wu, Iveta Kudaba, Dariusz M Kowalski, Byoung Chul Cho, Hande Z Turna, Gilberto Castro Jr, Vichien Srimuninnimit, Konstantin K Laktionov, Igor Bondarenko, Karou Kubota, Gregory M Lubiniecki, Jin Zhang, Debra Kush, Gilberto Lopes, for the KEYNOTE-042 Investigators*

ASCO 2018

Lancet, 4 Apr. 2019

n=1274

Objectif principal : SSP et SG

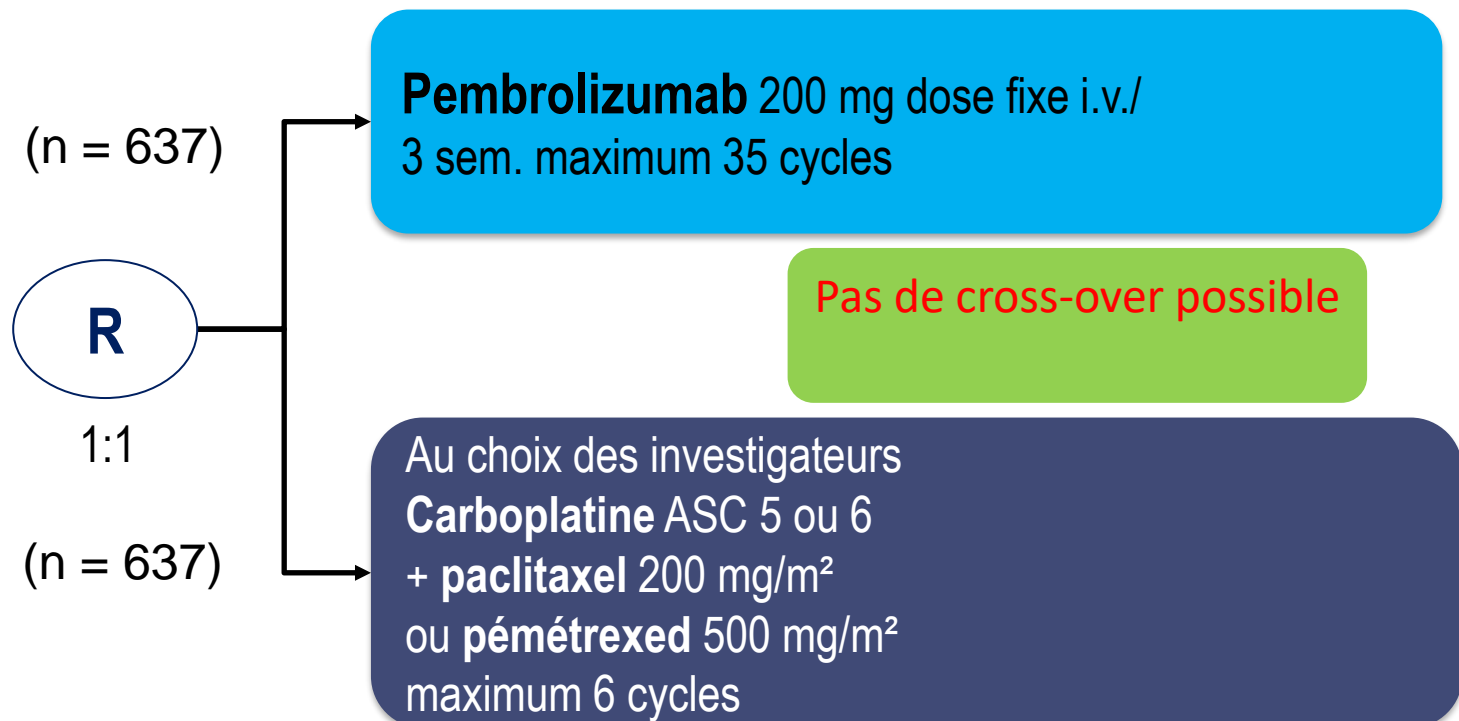
Critères d'inclusion

- CBNPC avance
- Ni EGFR muté ni ALK+
- Expression de PD-L1 $\geq 1\%$ des cellules tumorales
- ECOG 0-1

Stratification

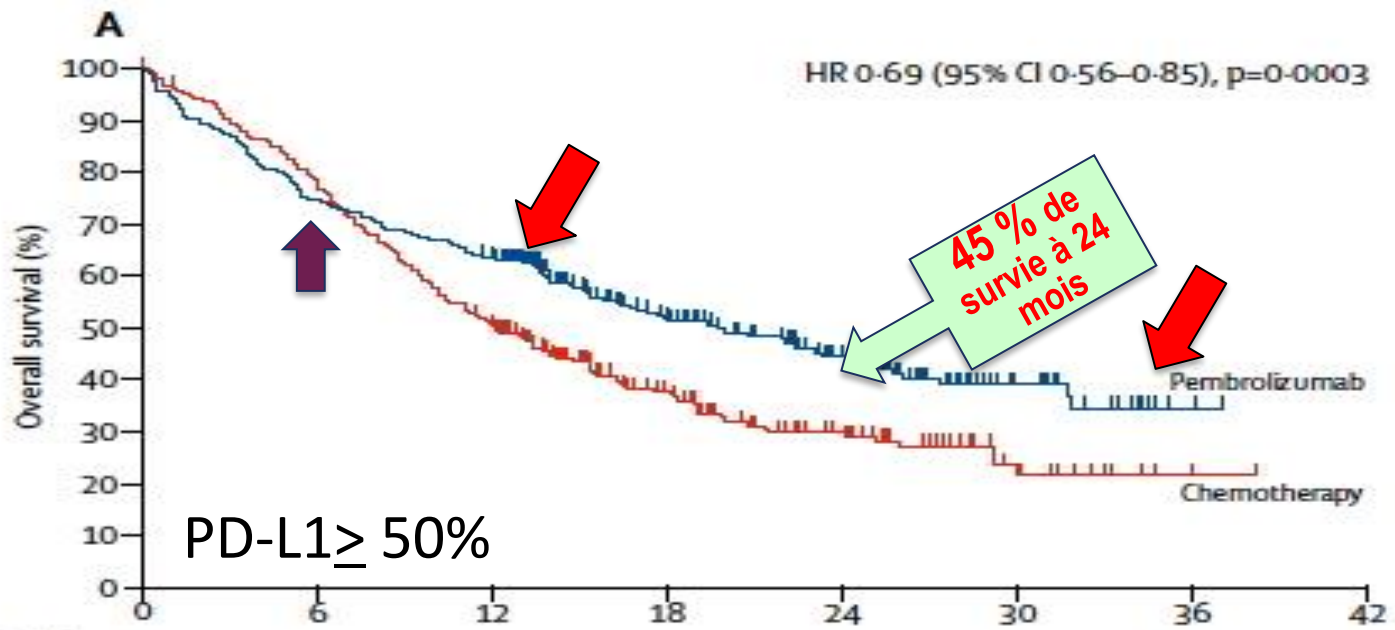
- PD-L1, 50 % versus 1-49 %
- Asie vs. reste du monde

299 x 2 $\geq 50\%$ PD-L1



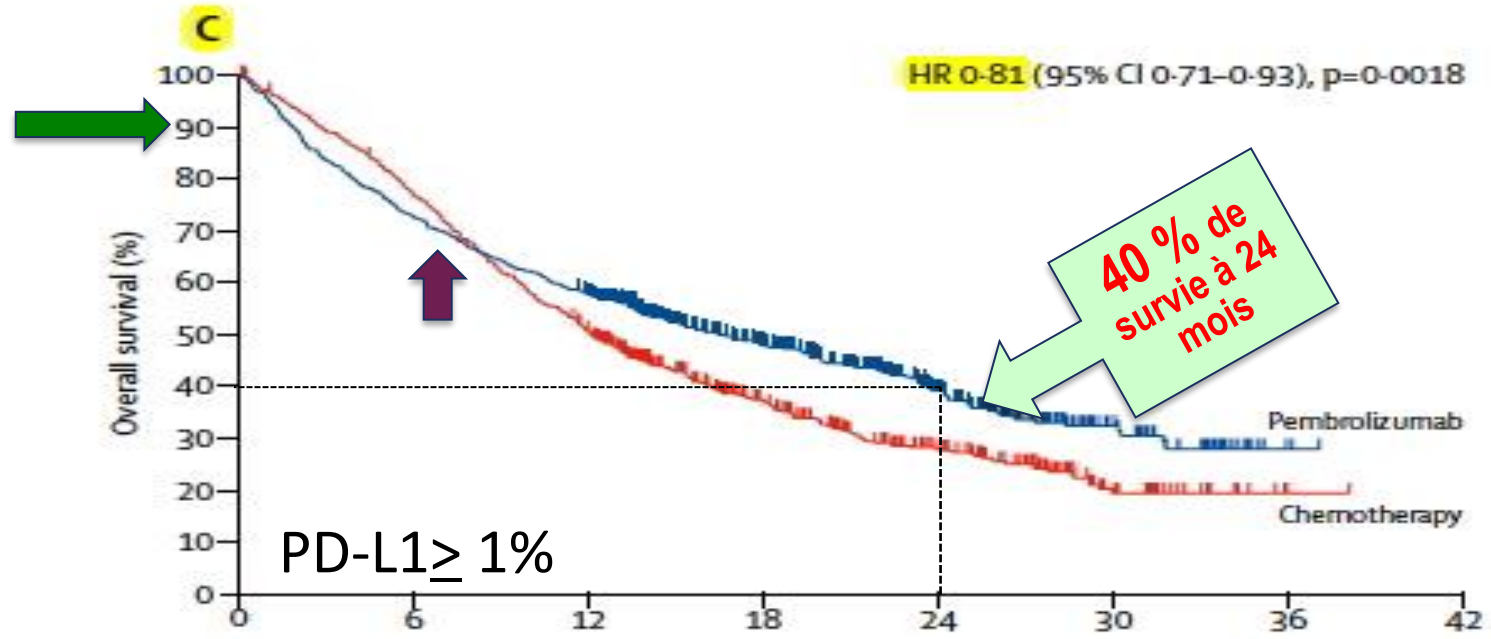
KN-042

Adéno+ Epi



Number at risk (censored)

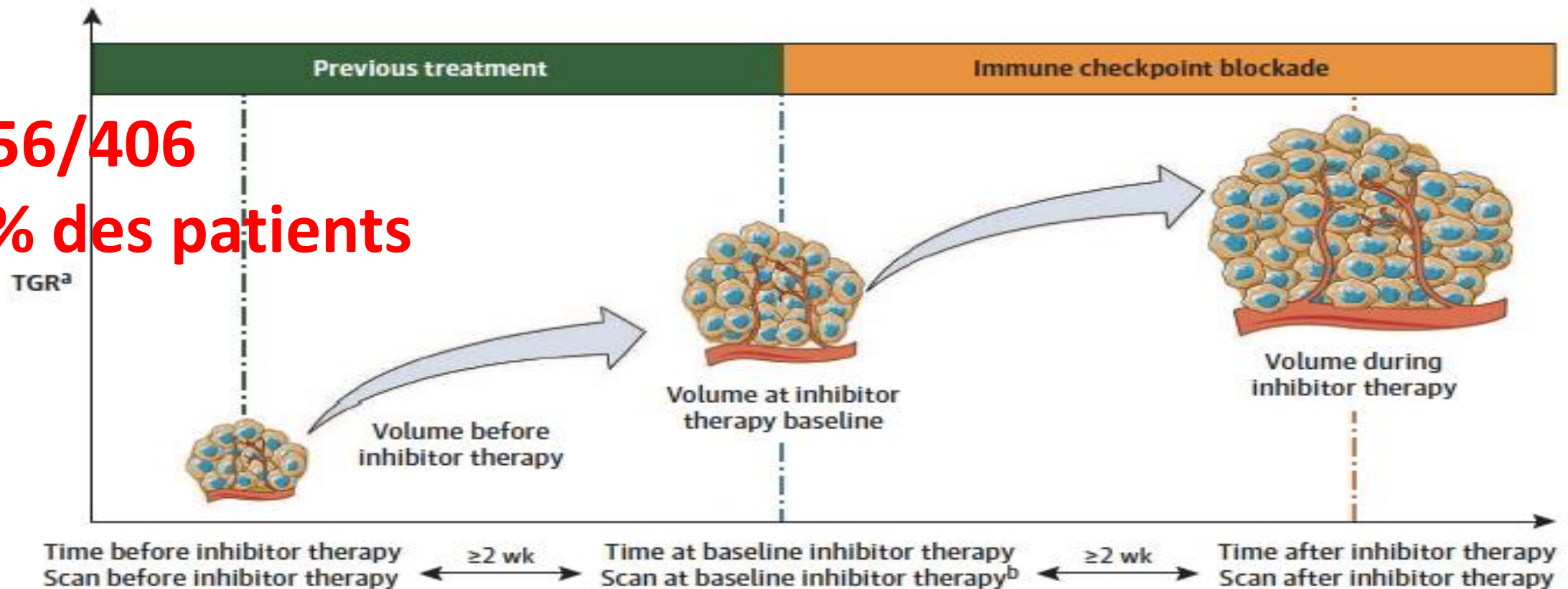
	0	6	12	18	24	30	36	42
Pembrolizumab group	299 (0)	224 (0)	189 (1)	107 (55)	59 (91)	22 (122)	2 (140)	0 (142)
Chemotherapy group	300 (0)	231 (2)	149 (4)	75 (46)	40 (67)	11 (90)	1 (100)	0 (101)



Hyperprogressive Disease in Patients With Advanced Non-Small Cell Lung Cancer Treated With PD-1/PD-L1 Inhibitors or With Single-Agent Chemotherapy

Roberto Ferrara, MD; Laura Mezquita, MD, PhD; Matthieu Texier, MSc; Jihene Lahmar, MD; Clarisse Audigier-Valette, MD; Laurent Tessonier, MD; Julien Mazieres, MD, PhD; Gerard Zalcman, MD, PhD; Solenn Brosseau, MD; Sylvestre Le Moulec, MD; Laura Leroy, MD; Boris Duchemann, MD; Corentin Lefebvre, MD; Remi Veillon, MD; Virginie Westeel, MD, PhD; Serge Koscielny, MSc; Stephane Champiat, MD; Charles Ferté, MD, PhD; David Planchard, MD, PhD; Jordi Remon, MD; Marie-Eve Boucher, MD; Anas Gazzah, MD; Julien Adam, MD, PhD; Emilio Bria, MD; Giampaolo Tortora, MD, PhD; Jean-Charles Soria, MD, PhD; Benjamin Besse, MD, PhD; Caroline Caramella, MD

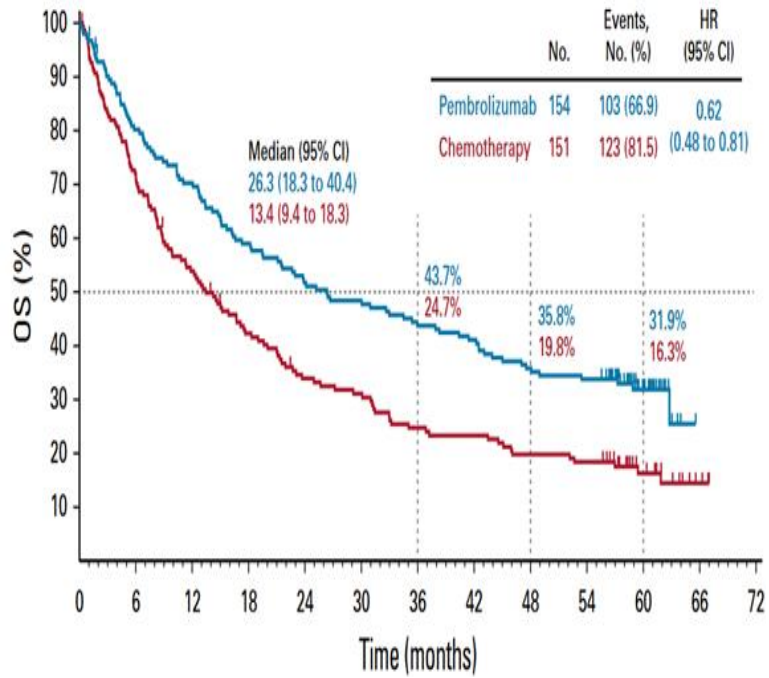
n=56/406
14% des patients



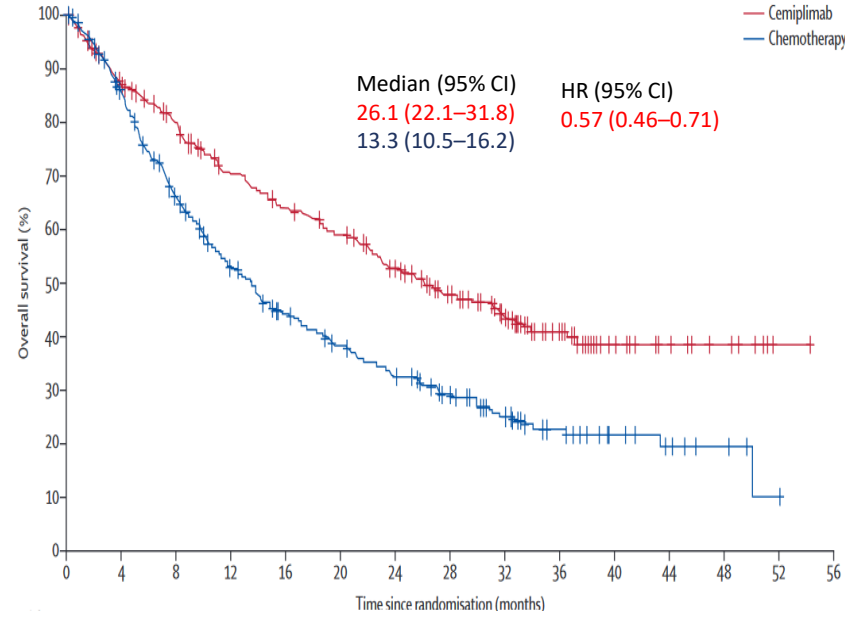
MONOTHERAPY WITH AMM IN EUROPE



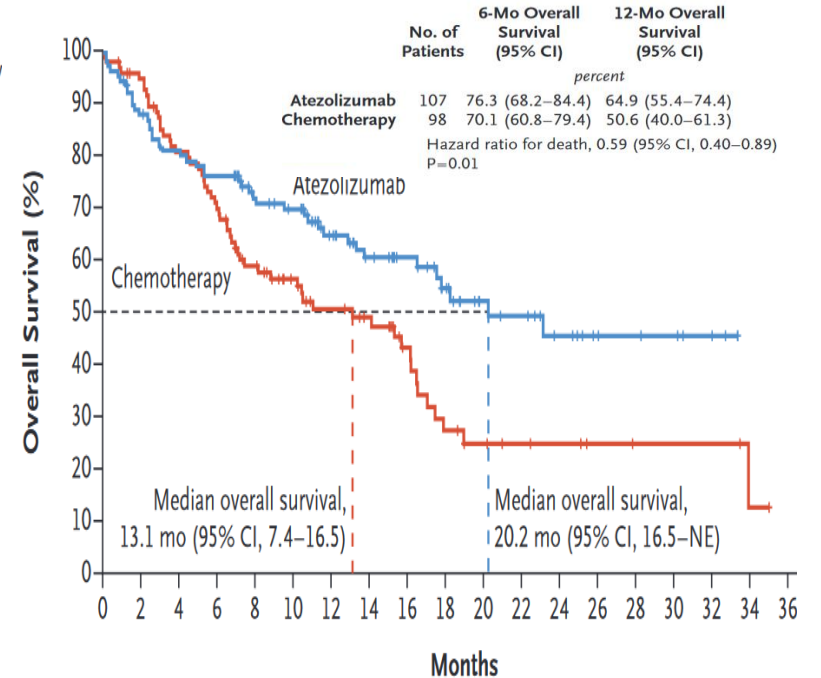
Keynote-024
PDL1>50%



EMPOWER-Lung 1
PDL1>50%



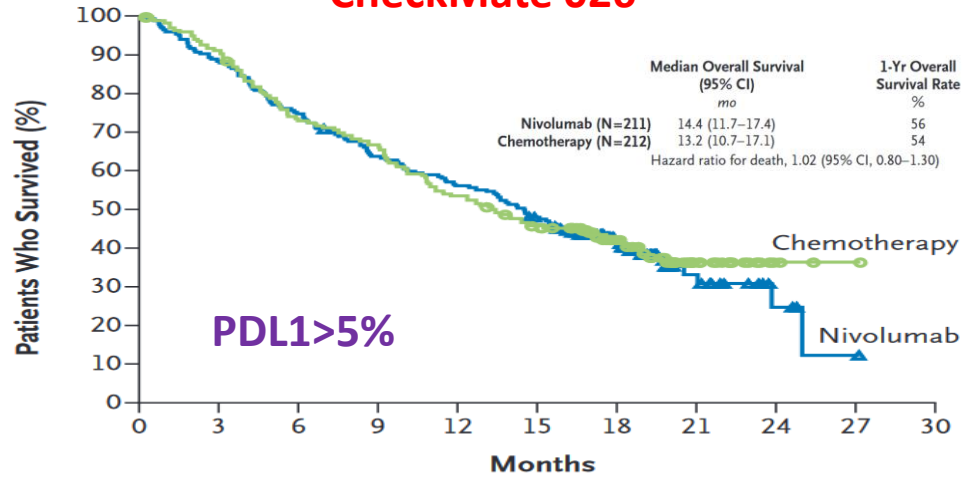
Impower-110
PD-L1 High Expressors



Herbst, R. S. *et al.* Atezolizumab for First-Line Treatment of PD-L1–Selected Patients with NSCLC. *New England Journal of Medicine* (2020) / Martin Reck *et al.*, « Five-Year Outcomes With Pembrolizumab Versus Chemotherapy for Metastatic Non-Small-Cell Lung Cancer With PD-L1 Tumor Proportion Score ≥ 50 », *Journal of Clinical Oncology: Official Journal of the American Society of Clinical Oncology* 39, no 21 (20 juillet 2021): 2339-49 / Sezer, A. *et al.* Özgüroğlu, M. *et al.* First-line cemiplimab monotherapy and continued cemiplimab beyond progression plus chemotherapy for advanced non-small-cell lung cancer with PD-L1 50% or more (EMPOWER-Lung 1): 35-month follow-up from a multicentre, open-label, randomised, phase 3 trial. *The Lancet Oncology* 24, 989–1001 (2023).

NO monotherapy – PDL1<50%

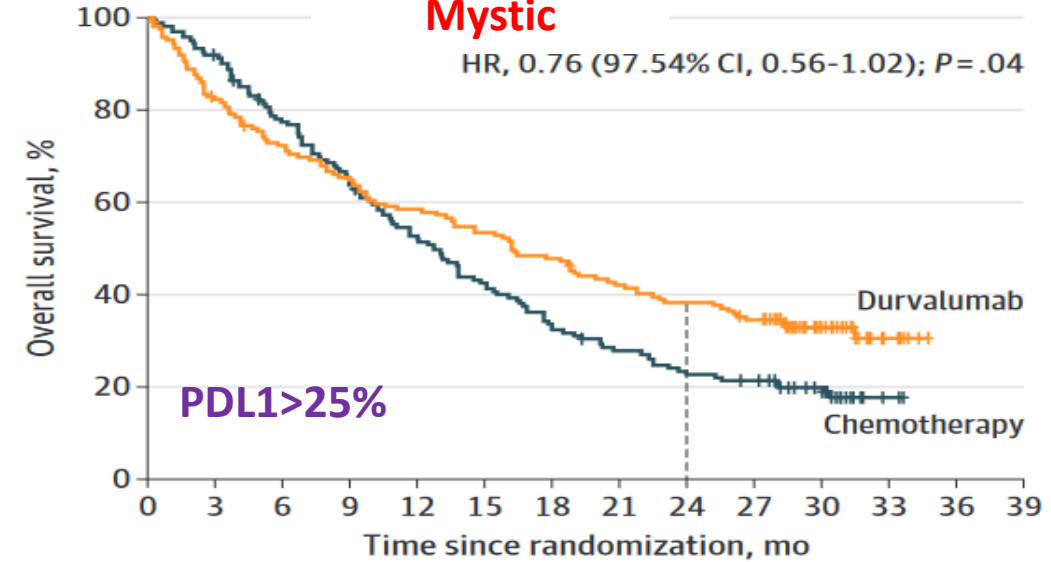
CheckMate 026



No. at Risk

Nivolumab	211	186	156	133	118	98	49	14	4	0	0
Chemotherapy	212	186	153	137	112	91	50	15	3	1	0

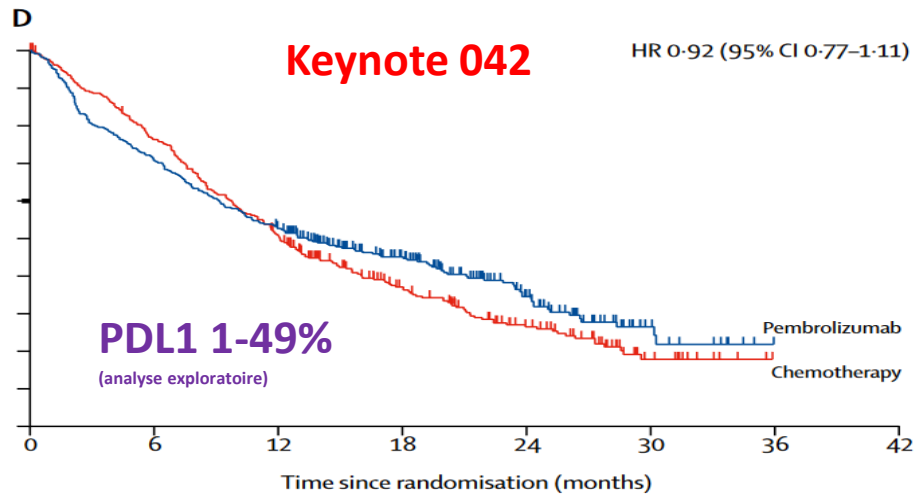
Mystic



No. at risk

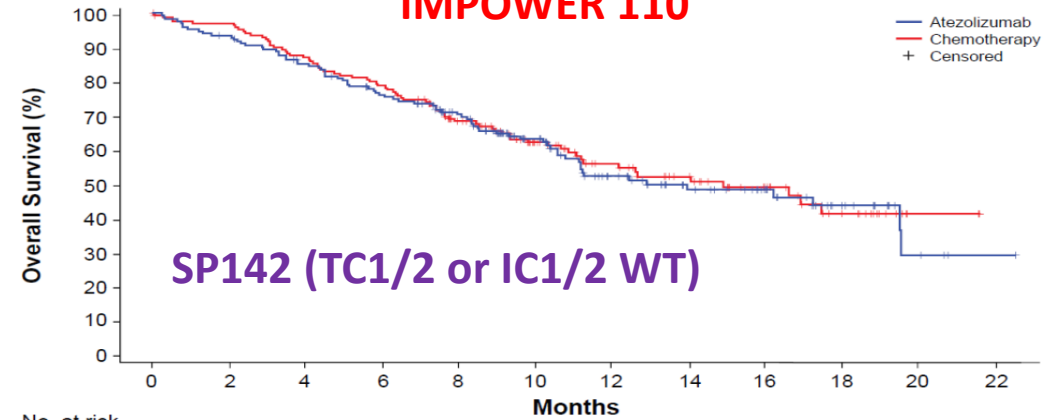
Durvalumab	163	134	116	104	93	85	76	66	60	53	25	6	0	0
Chemotherapy	162	147	123	101	83	67	53	43	35	32	20	2	0	0

Keynote 042



338 (0)	239 (0)	176 (2)	107 (49)	53 (83)	13 (113)	0 (124)	0 (124)
337 (0)	254 (4)	167 (6)	91 (42)	48 (61)	13 (85)	0 (98)	0 (98)

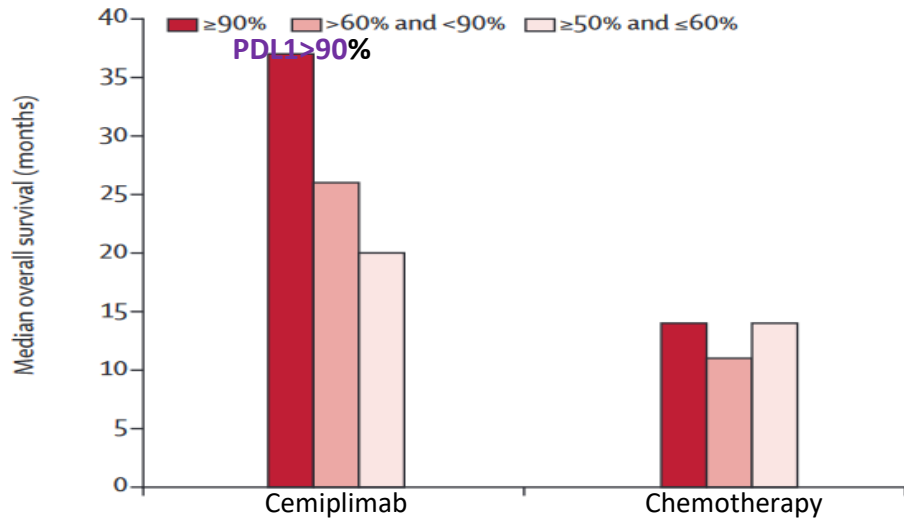
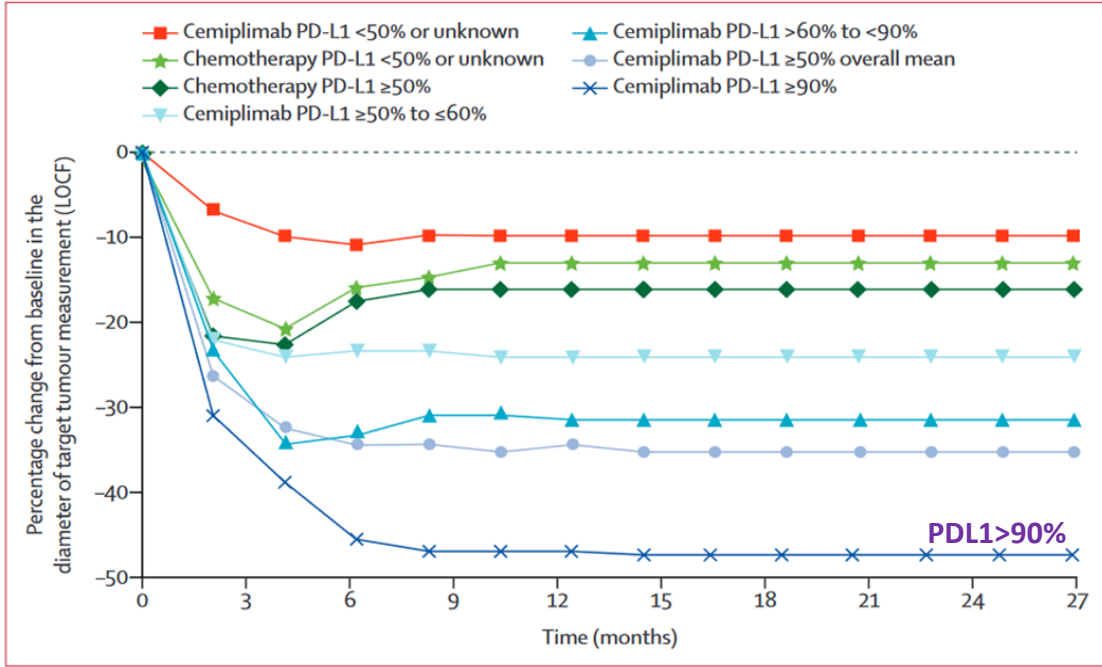
IMPOWER 110



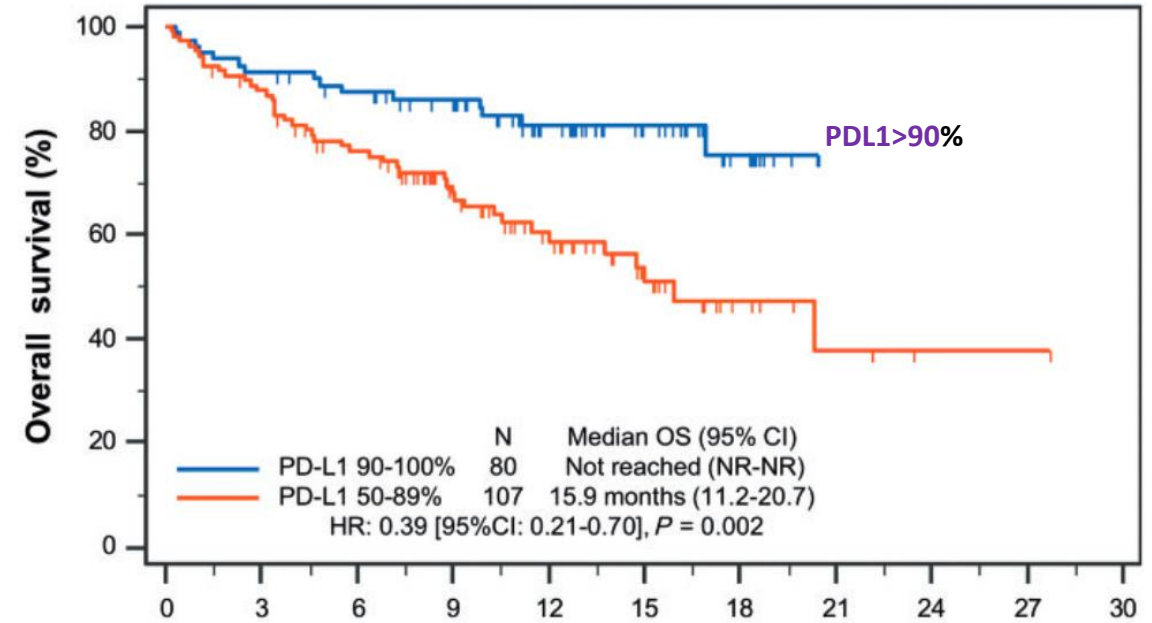
No. at risk

Atezolizumab	170	158	141	124	104	73	45	34	23	12	4	1
Chemotherapy	179	165	148	134	103	68	46	35	24	12	1	

RESPONSE TO ANTI PD(L)1 ACCORDING TO PD-L1 EXPRESSION



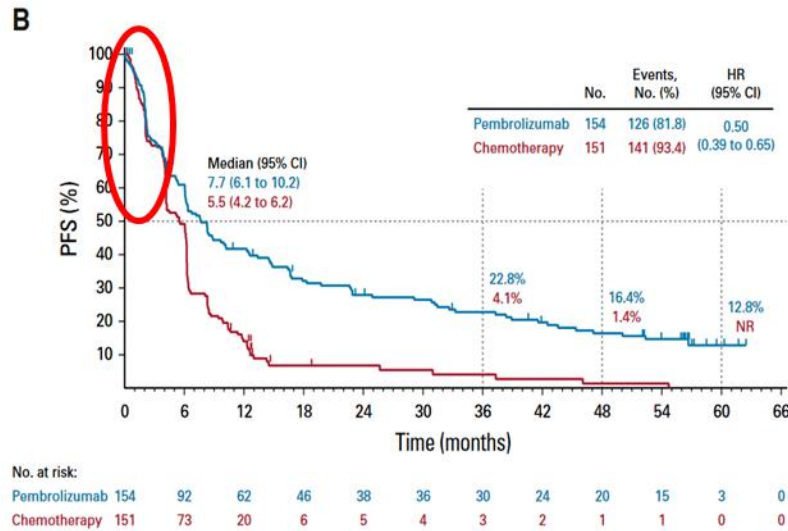
B



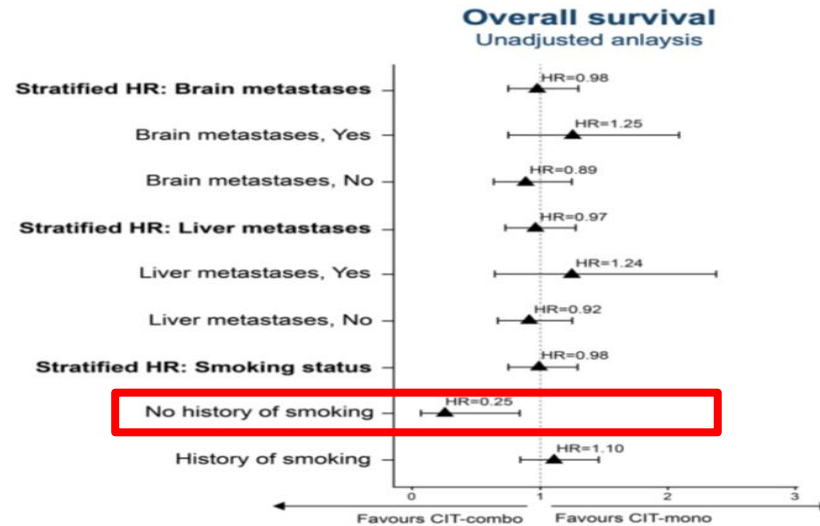
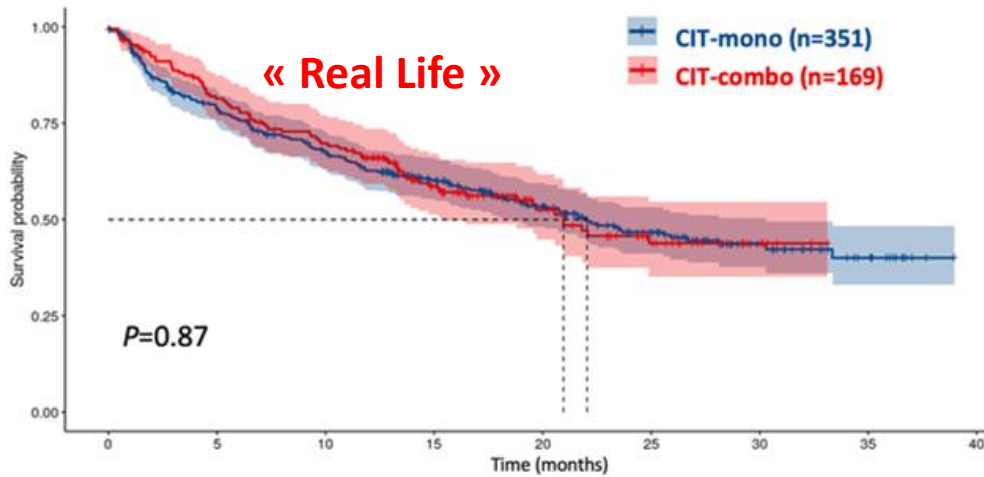
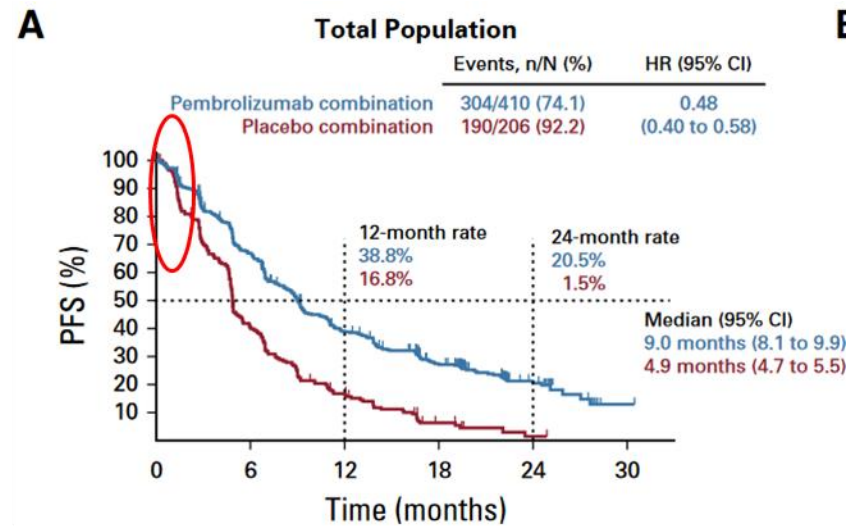
	Number at risk										
	0	3	6	9	12	15	18	21	24	27	30
PD-L1 90-100%	80	73	66	57	38	22	10	0	0	0	0
PD-L1 50-89%	107	92	75	51	33	18	8	4	1	1	0

PDL1 > 50% : mono or combo ?

KN - 024



KN - 189





IO AS COMBINAISON

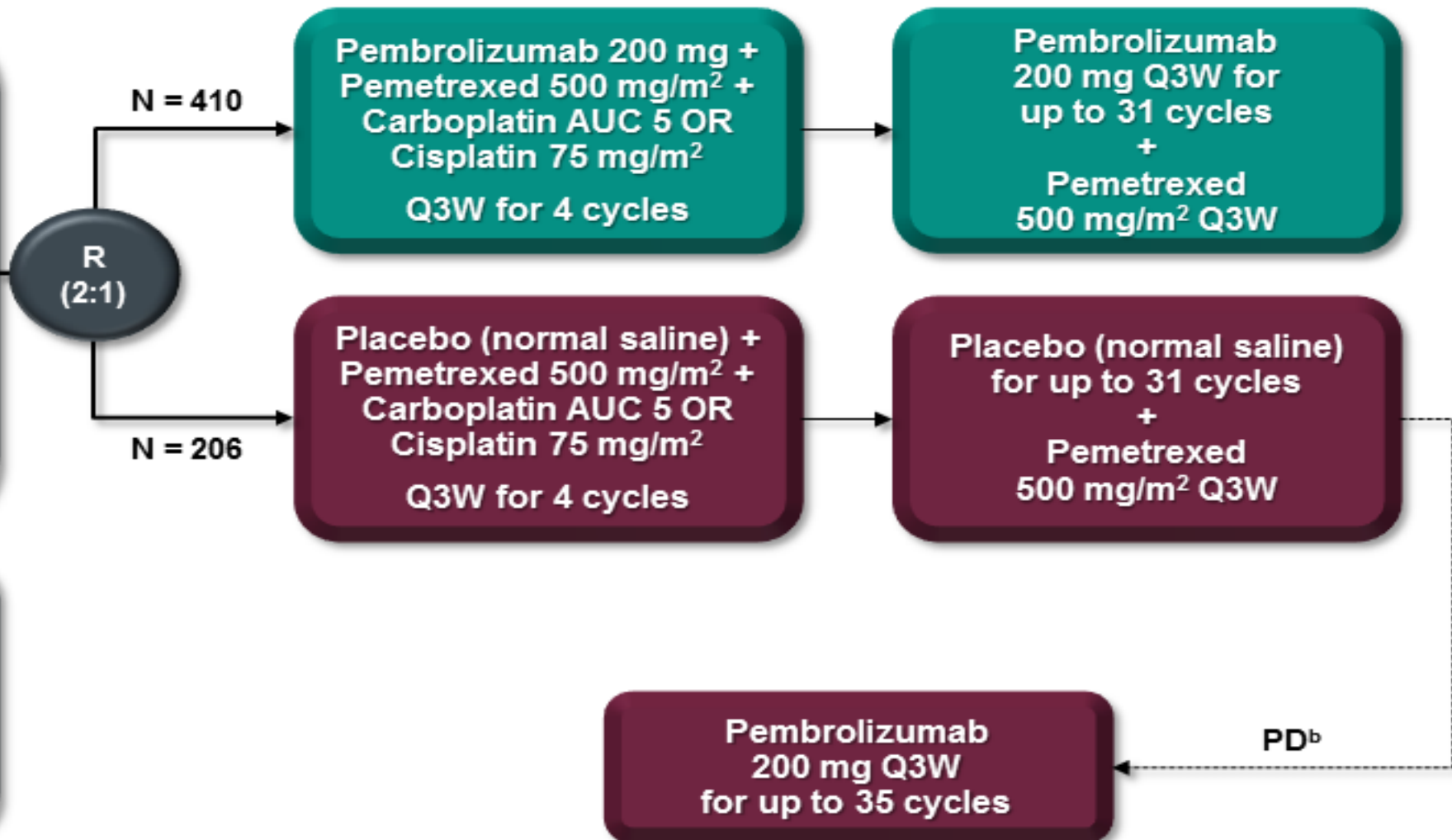
KEYNOTE-189 Study Design (NCT02578680)

Key Eligibility Criteria

- Untreated stage IV nonsquamous NSCLC
- No sensitizing *EGFR* or *ALK* alteration
- ECOG PS 0 or 1
- Provision of a sample for PD-L1 assessment
- No symptomatic brain metastases
- No pneumonitis requiring systemic steroids

Stratification Factors

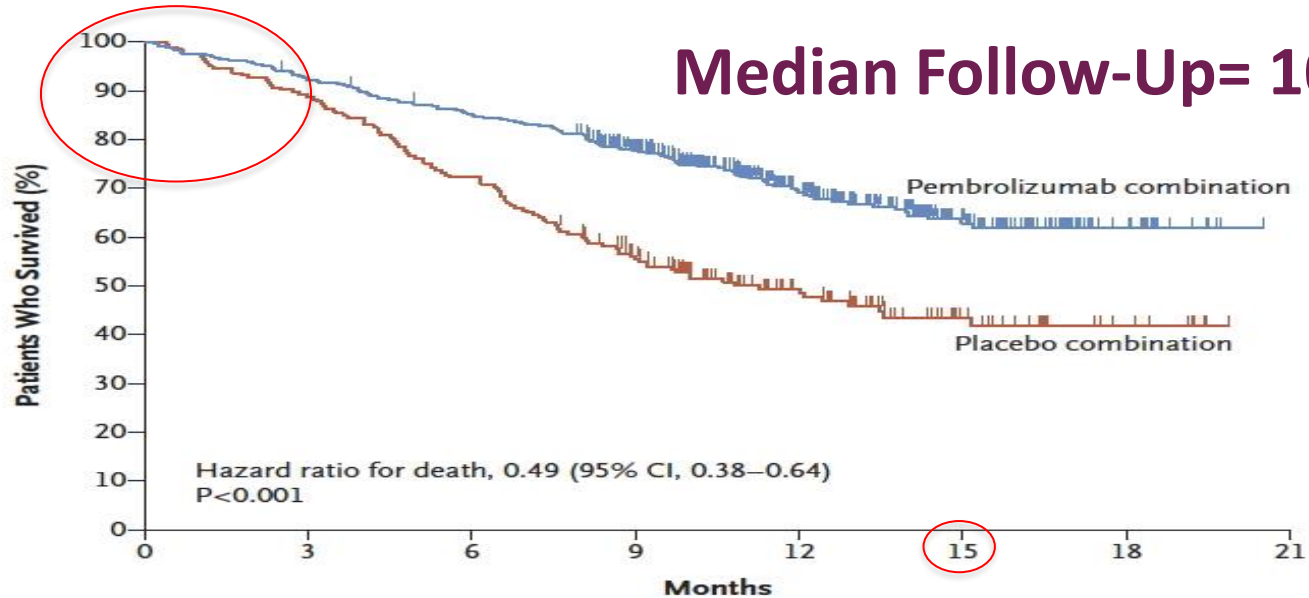
- PD-L1 expression (TPS^a <1% vs ≥1%)
- Platinum (cisplatin vs carboplatin)
- Smoking history (never vs former/current)



Overall Survival

Adéno

Median Follow-Up= 10,5 mois (0,2-20,4)

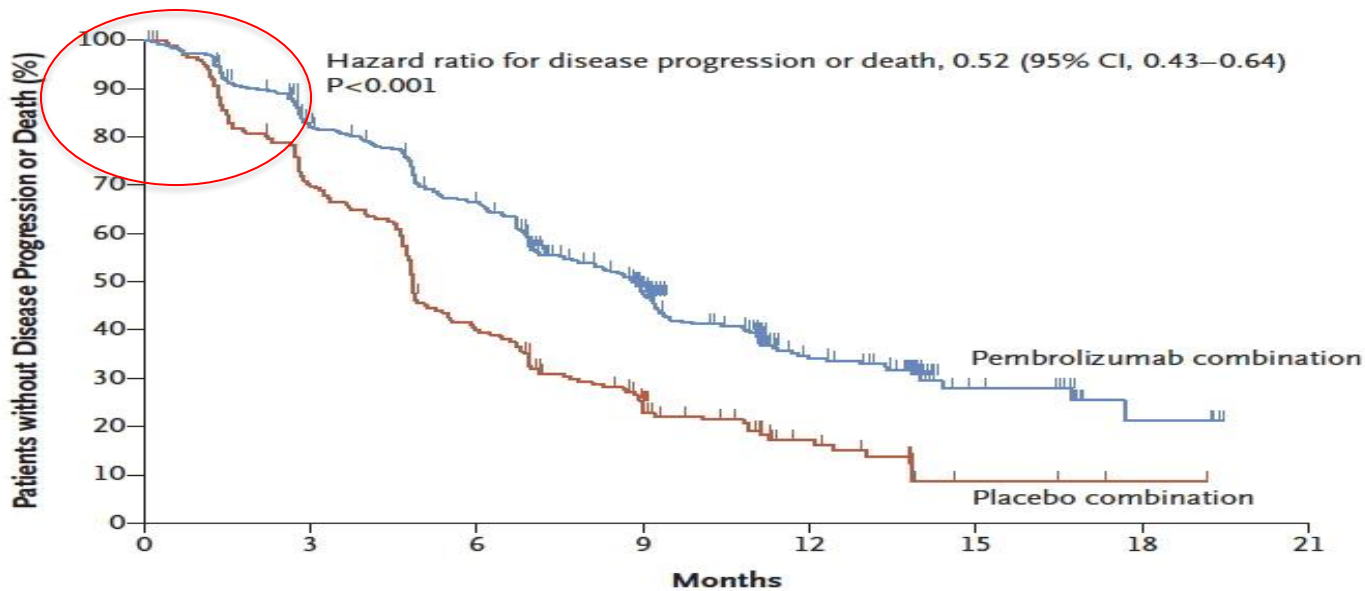


No. at Risk

Pembrolizumab combination
Placebo combination

410	377	347	278	163	71	18	0
206	183	149	104	59	25	8	0

Progression-free Survival

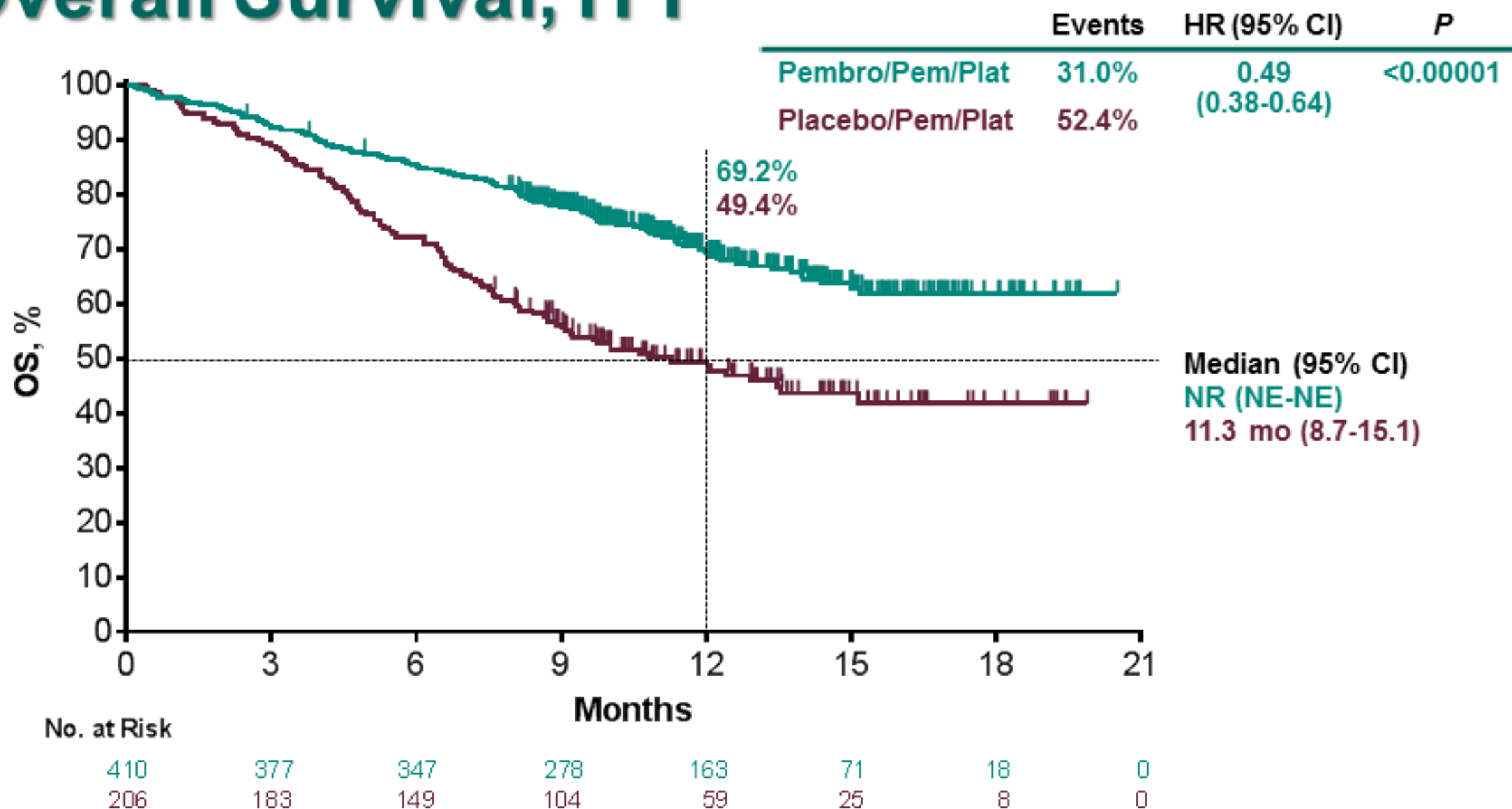


No. at Risk

Pembrolizumab combination
Placebo combination

410	322	256	149	60	17	5	0
206	141	80	40	16	3	1	0

Overall Survival, ITT



Pembrolizumab plus Chemotherapy for Squamous Non-Small-Cell Lung Cancer

L. Paz-Ares, A. Luft, D. Vicente, A. Tafreshi, M. Gümüş, J. Mazières, B. Hermes, F. Çay Şenler, T. Csőszi, A. Fülöp, J. Rodríguez-Cid, J. Wilson, S. Sugawara, T. Kato, K.H. Lee, Y. Cheng, S. Novello, B. Halmos, X. Li, G.M. Lubiniecki, B. Piperdi, and D.M. Kowalski, for the KEYNOTE-407 Investigators*

NEJM 25 sept. 2018

n=559

Critères d'inclusion

- CBNPC épidermoïde avancé
- PS OMS 0-1
- Tissus pour IHC PD-L1 Pas de pneumonie sous stéroïdes
- Pas de métastases cérébrales ou de métastases traitées

Stratification

- Expression de PD-L1 (TPS > 1 % versus ≥ 1 %)
- Taxane
- Région géographique

(n = 278)

R

1:1

(n = 281)

**Pembrolizumab 200 mg
+ paclitaxel 200 mg/m²
ou
nab-paclitaxel 100 mg/m²
+ carboplatine ASC 6 ou
toutes les 3 sem. 4 cycles**

**Placebo +
paclitaxel 200 mg/m²
ou
nab-paclitaxel 100 mg/m²
+ carboplatine ASC 6 ou
toutes les 3 sem. 4 cycles**

**Pembrolizumab
200 mg
jusqu'à 31 cycles**

Objectif principal : SSP+OS

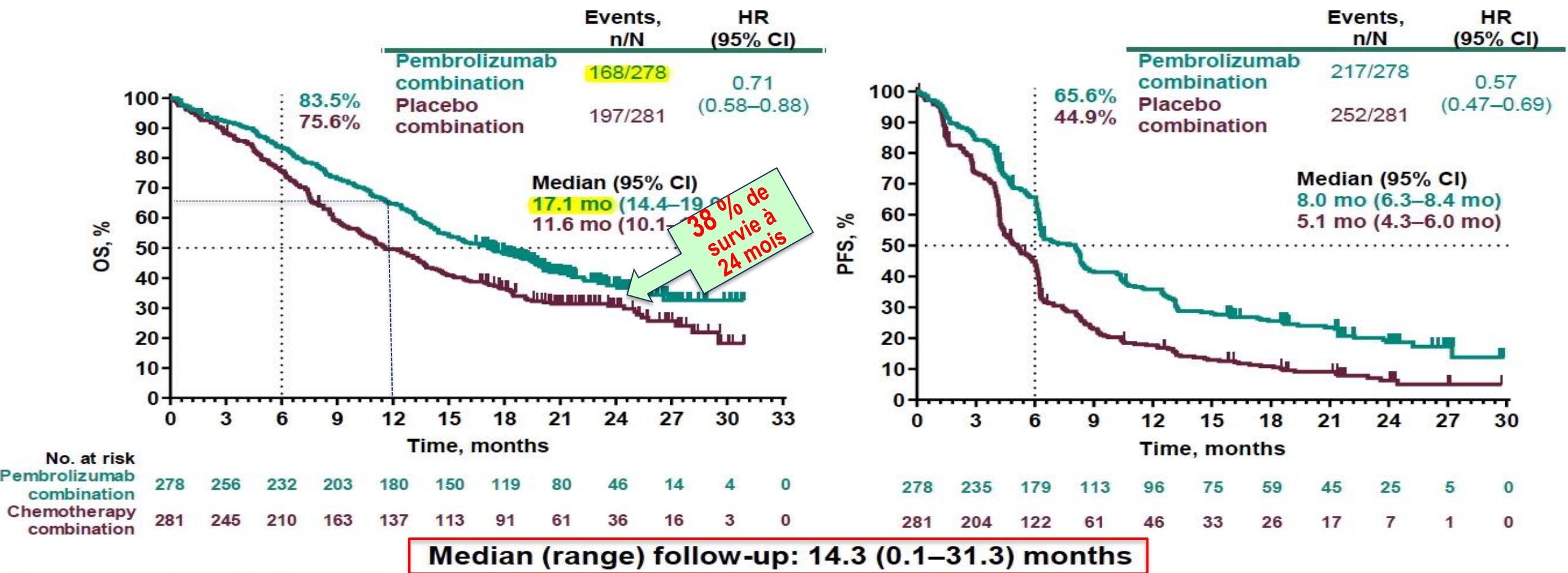
**Placebo
jusqu'à 31 cycles**

**Crossover optionnel pembrolizumab 200 mg
à progression ou jusqu'à 35 cycles**

1^{ère} présentation: ASCO 2018 à **7,8 mois** de suivi médian

Analyse finale Keynote-407: Paez-Aeres L et al. ESMO 2019

Kaplan-Meier Estimates of OS and PFS^a Overall Study Population Epi



^aResponse assessed per RECIST v1.1 by blinded independent central review. Data cutoff date: May 9, 2019.

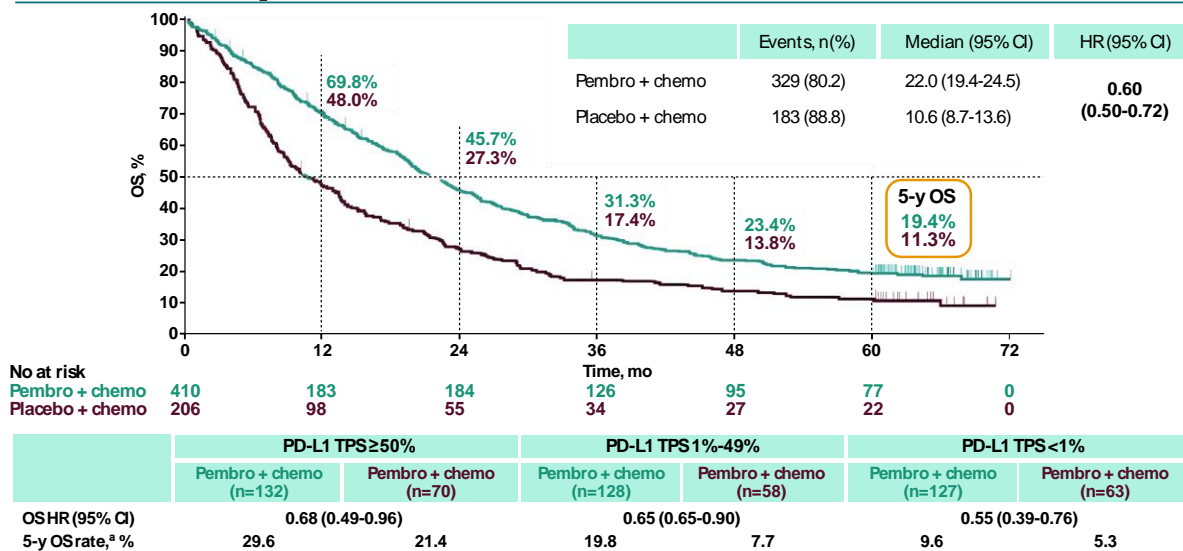
UPDATE AT 5 YEARS OF KEYNOTE-189 AND 407



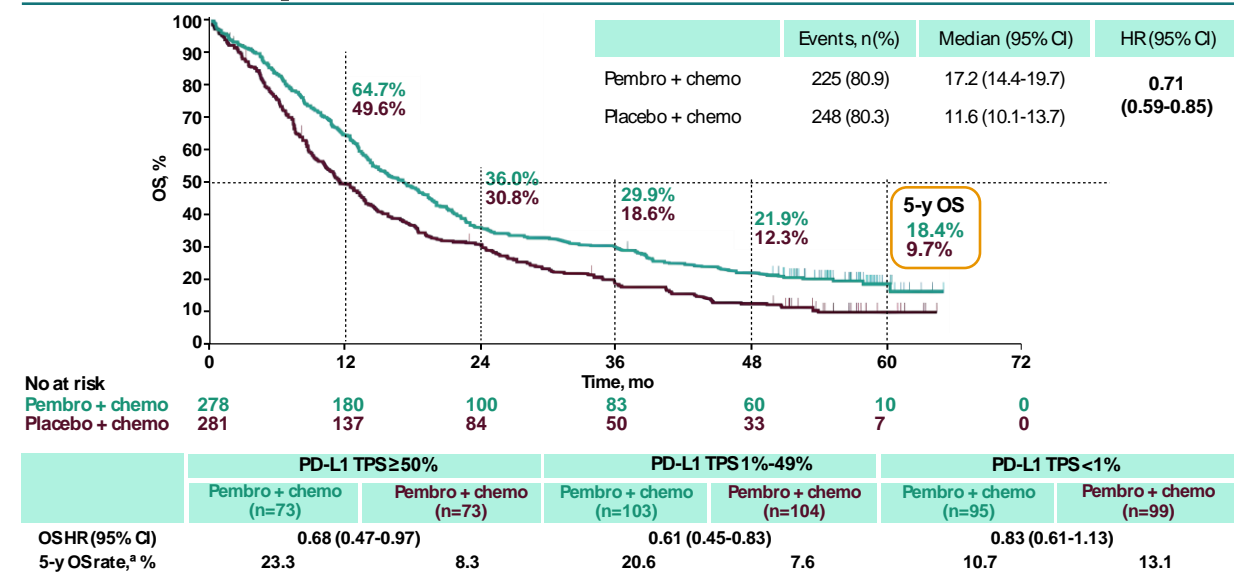
KN-189: Non squamous

KN-407: Squamous

OS: ITT Population



OS: ITT Population



*Kaplan-Meier estimate. Data cut-off date: February 23, 2022



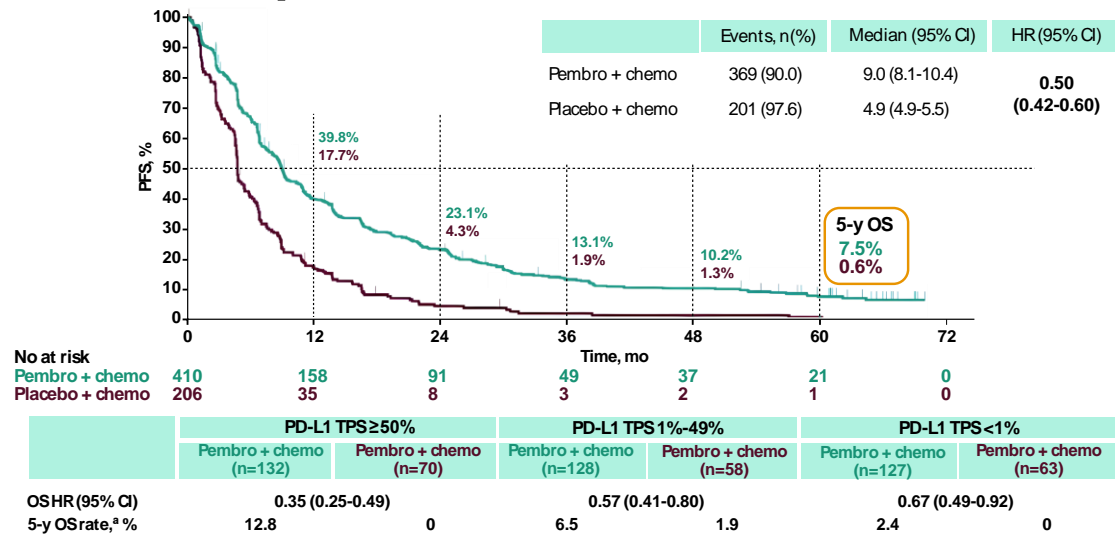
Update at 5 years of KEYNOTE-189 AND 407



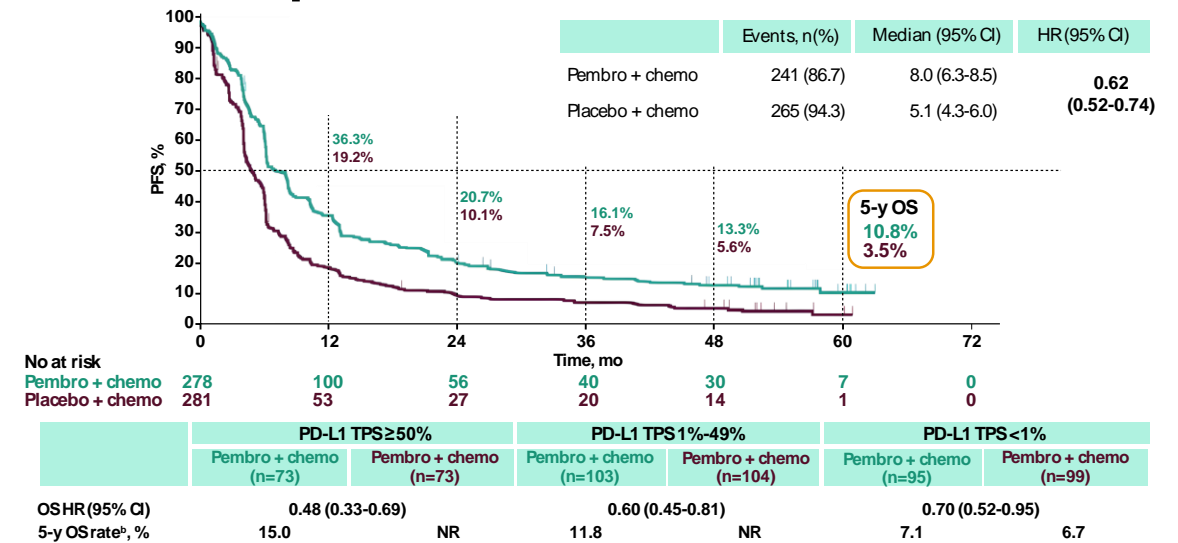
KN-189: Non squamous

KN-407: Squamous

PFS^a: ITT Population



PFS^a: ITT Population



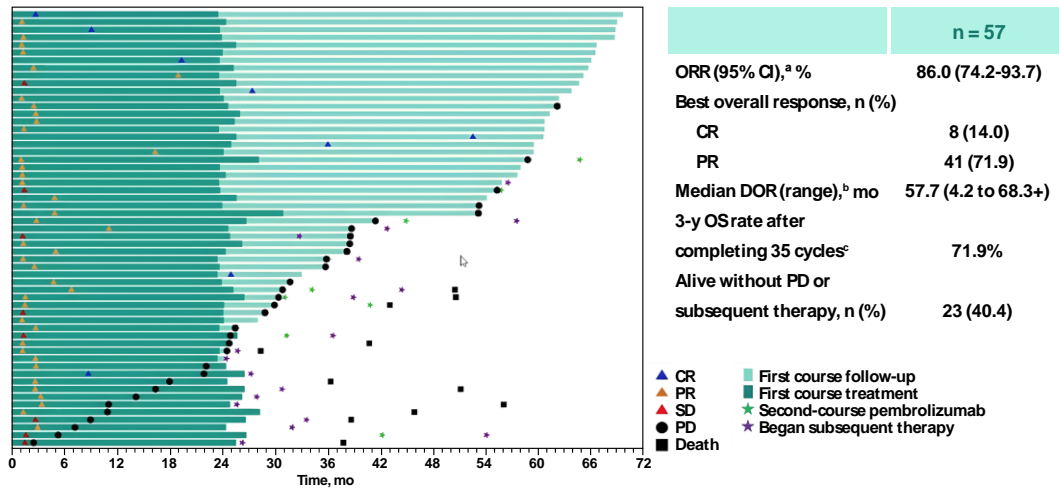
^aPer RECIST v1.1 by BICR; ^bKaplan-Meier estimate. Data cutoff date: February 23, 2022.

Update at 5 years of KEYNOTE-189 AND 407



KN-189: Non squamous

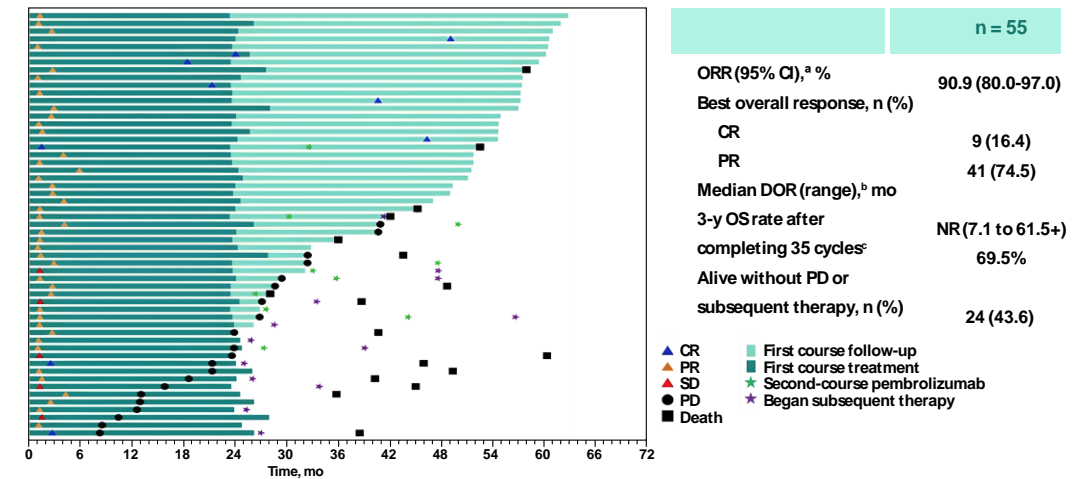
Outcomes in Patients Who Completed 35 Cycles of Pembrolizumab



57/410 (13,9%) → 35 cycles
 72% alive
 40% without relapse
83,9% PD-L1 ≥ 1%*

KN-407: Squamous

Outcomes in Patients Who Completed 35 Cycles of Pembrolizumab

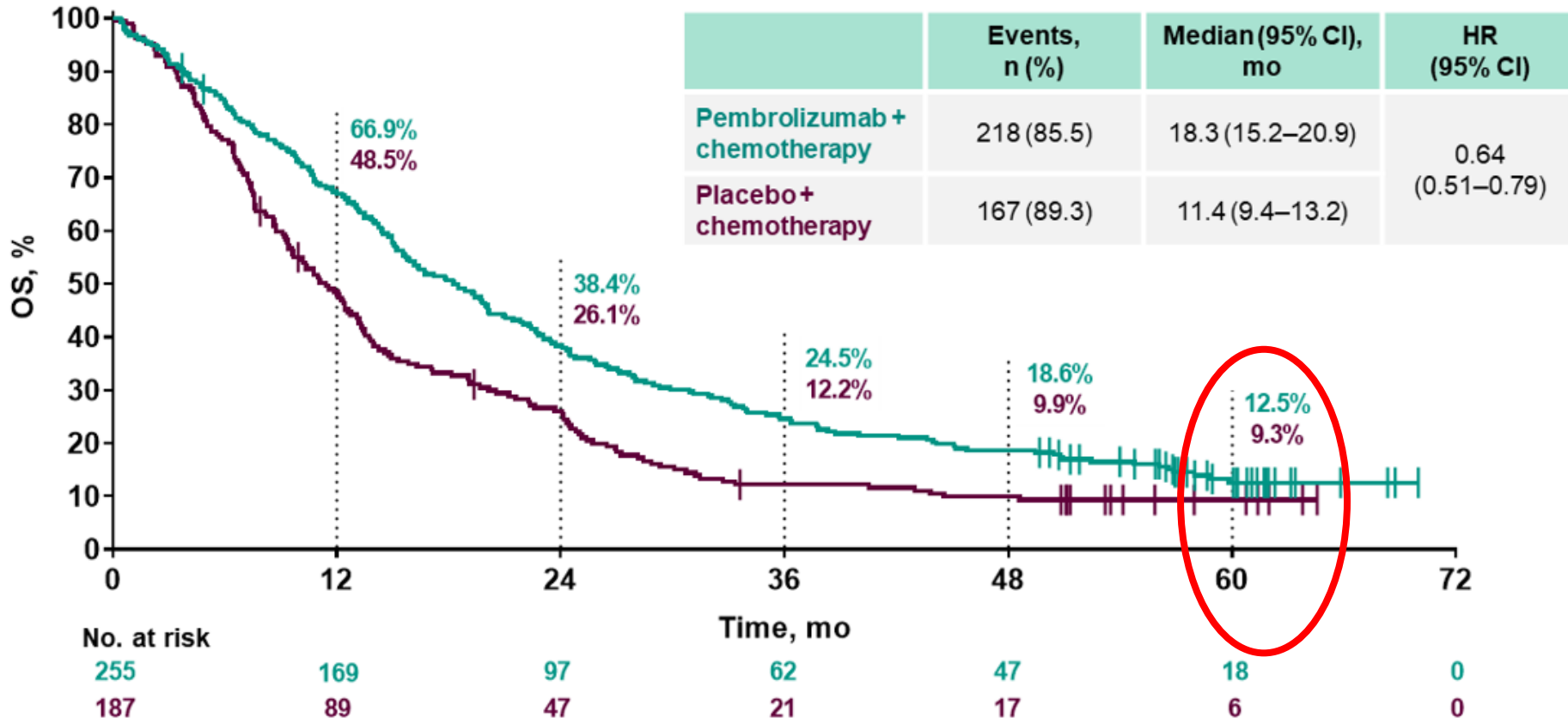
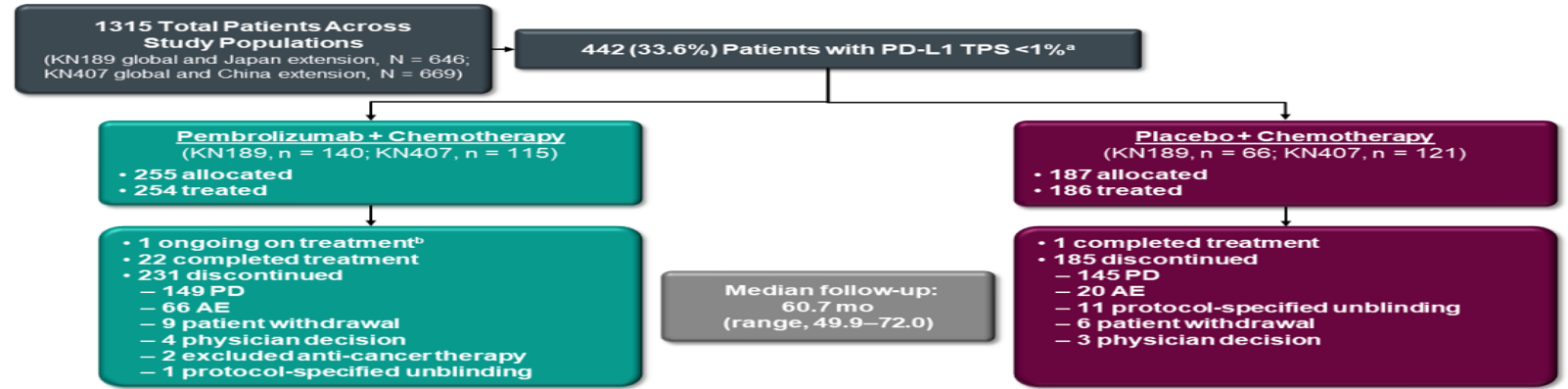


55/278 (19,7%) → 35 cycles
 69,5% alive
 43% without relapse

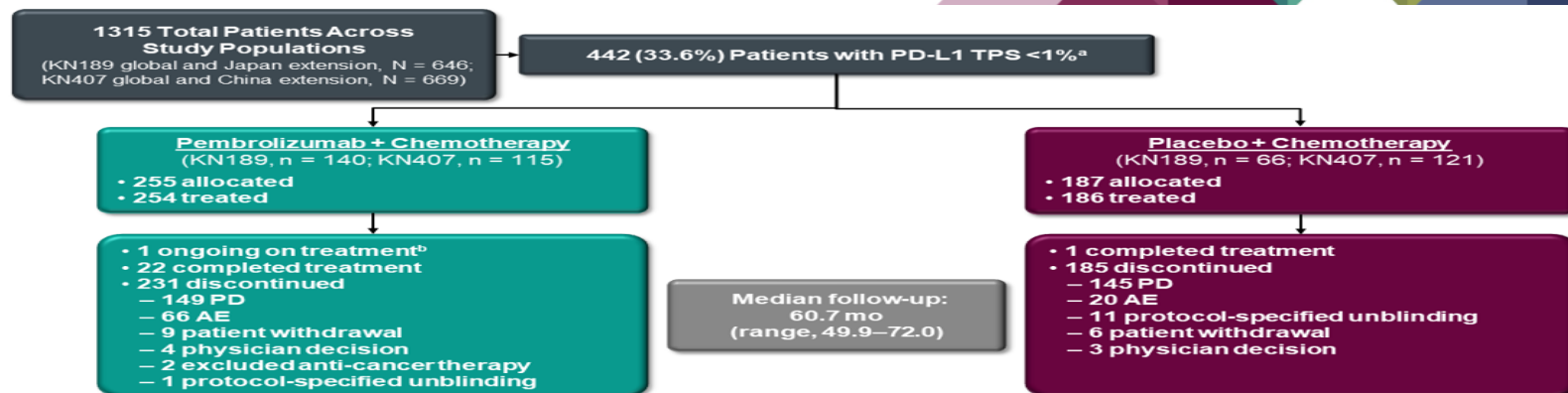
CT AND antiPD(L)1 – PDL1 <1%

Pooled analyses KN 189 AND KN 407

PD-L1<1% - data at 5 years



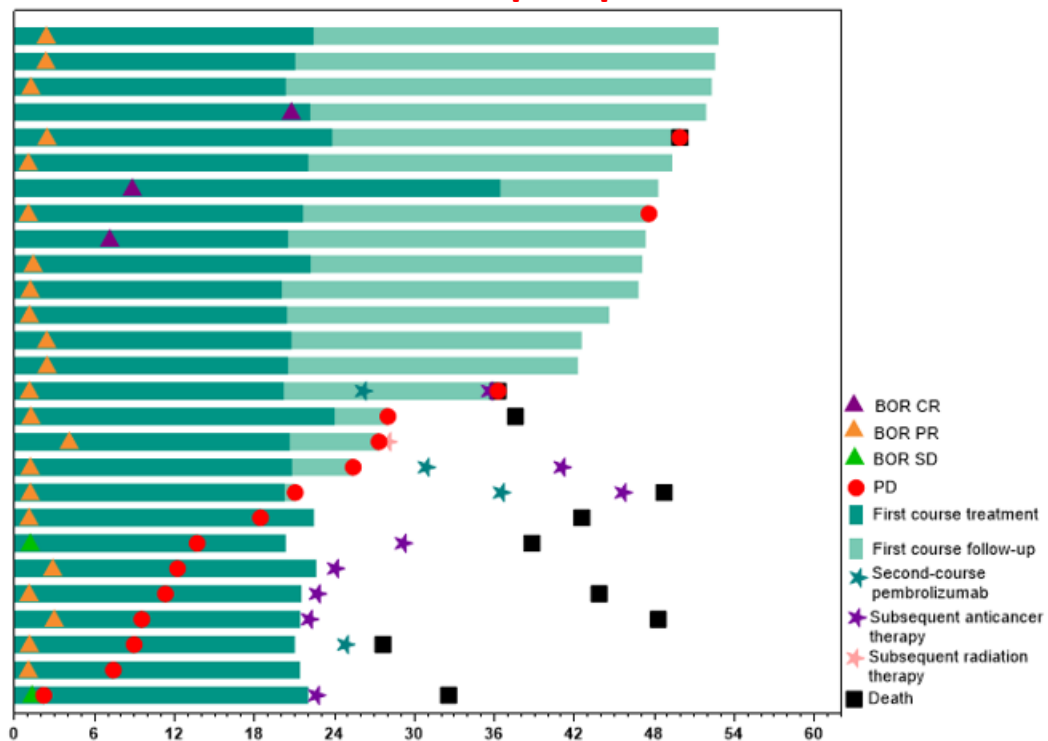
CT AND antiPD(L)1 – PDL1 <1%



Pooled analyses KN 189 AND KN 407

PD-L1<1% - data at 5 years

Group of patients who received 2 years of Pembrolizumab



Outcome	Patients who completed 35 cycles ^a n = 27
ORR ^b (95% CI), %	92.6 (75.7–99.1)
Best overall response, n (%)	
Complete response	3 (11.1)
Partial response	22 (81.5)
Stable disease ^c	2 (7.4)
Median DOR (range), mo	55.1 (7.4 to 59.3+)
3-year OS rate after completing 35 cycles, %	56.7
Alive without subsequent therapy or PD, n (%)	12 (44.4)

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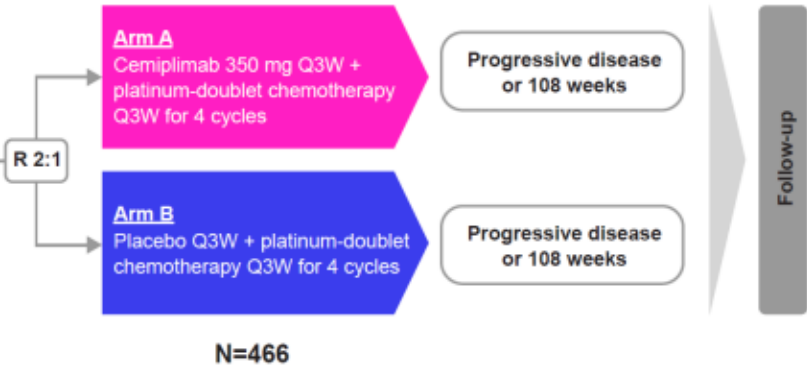
Combo chemotherapy with antiPD(L)1 in L1

ICIs	Trial	Population	Primary Endpoint	ORR	PFS	OS	5y-ORR	5y-PFS	5y-OS
Atezolizumab plus Bevacizumab plus CT	IMpower150	Any PD-L1 and Non-squamous histology	PFS and OS	63.5% (ABCP) vs. 48.0% (BCP)	8.3 vs. 6.8 months ABCP vs. BCP HR 0.62 (95% CI 0.52–0.74)	19.5 vs. 14.7 months ABCP vs. BCP: HR 0.78 (95% CI 0.64–0.96)	-	8.4 vs. 6.8 months ABCP vs. BCP HR 0.57 (95% CI 0.48–0.67)	19.5 vs. 14.7 months HR 0.80 (95% CI 0.67–0.95)
Atezolizumab plus platinum plus paclitaxel/nab paclitaxel	IMpower130	Any PD-L1 and Non-squamous histology	PFS and OS	49.2% vs. 31.9%	7.0 versus 5.5 months (HR 0.64; 95% CI 0.54–0.77)	18.6 versus 13.9 months (HR 0.79; 95% CI 0.64–0.98)	-	-	-
Atezolizumab plus platinum plus paclitaxel/nab paclitaxel	IMpower131	Any PD-L1 and squamous histology	PFS and OS	49.4% vs. 41.3%	6.3 vs. 5.6 months HR 0.71 (95% CI 0.60–0.85)	14.2 versus 13.5 months (HR 0.88; 95% CI 0.73–1.05)	-	-	-
Atezolizumab plus platinum plus pemetrexed	IMpower132	Any PD-L1 and Non-squamous histology	PFS and OS	47% vs. 32%	7.6 versus 5.2 months; HR 0.60, 95% CI 0.49–0.72	18.1 versus 13.6 months; HR 0.81, 95% CI 0.64–1.03	-	-	17.5 vs. 13.6 months*; HR 0.86 (0.71–1.06)
Cemiplimab plus platinum-doublet chemotherapy	EMPOWER-Lung 3	Any PD-L1; squamous and Non-squamous histology	OS	43.3% vs. 22.7%	8.2 vs. 5.0 months HR = 0.56; 95% CI, 0.44–0.70	21.9 vs. 13.9 months; HR 0.71; 95% CI, 0.53–0.93	43.6% versus 22.1%	8.2 months versus 5.5 months (HR 0.55, 95% CI 0.44–0.68)	21.1 versus 12.9 months; HR 0.65, 95% CI 0.51–0.82
Nivolumab plus ipilimumab and 2 cycles of platinum-doublet chemotherapy	CheckMate 9LA	Any PD-L1; squamous and Non-squamous histology	OS	37.7% vs. 25.1%	6.8 vs. 5.0 months HR 0.70 [97.48% CI 0.57–0.86	14.1 versus 10.7 months; HR 0.69; 96.71% CI 0.55–0.87	38% vs. 25% *	6.4 versus 5.3 months *	15.8 versus 11 months*; HR 0.74, 95% CI 0.62–0.87
Pembrolizumab plus platinum (carboplatin or cisplatin) plus pemetrexed	KEYNOTE-189	Any PD-L1 and Non-squamous histology	PFS and OS	47.6% vs. 18.9%	8.8 vs. 4.9 months HR 0.52 (95% CI 0.43–0.64)	NR vs. 11.3 months; HR 0.49; 95% CI 0.38–0.64	48.3% vs. 19.9%	9.0 versus 4.9 months; HR 0.5; 95% CI 0.42–0.60	22.0 versus 10.6 months; HR 0.6; 95% CI 0.50–0.72
Pembrolizumab plus platinum (carboplatin or cisplatin) plus Paclitaxel or nab-paclitaxel	KEYNOTE-407	Any PD-L1 and squamous histology	PFS and OS	57.9% vs. 38.4%	6.4 versus 4.8 months; HR 56; 95% CI 0.45–0.70	15.9 months and 11.3 months HR 0.64; 95% CI 0.49–0.85	66.2% vs. 38.8%	8 versus 5.1 months; HR 0.62; CI 0.52–0.74	17.2 versus 11.6 months HR 0.71; 95% CI 0.59–0.85
Tremelimumab plus durvalumab plus CT	POSEIDON	Any PD-L1; squamous and Non-squamous histology	PFS and OS	46.3% vs. 33.4%	6.2 v 4.8 months; HR 0.72; 95% CI 0.60–0.86	14.0 versus 11.7 months; HR 0.77; 95% CI 0.65–0.92	-	-	-

New AMM combo 2023

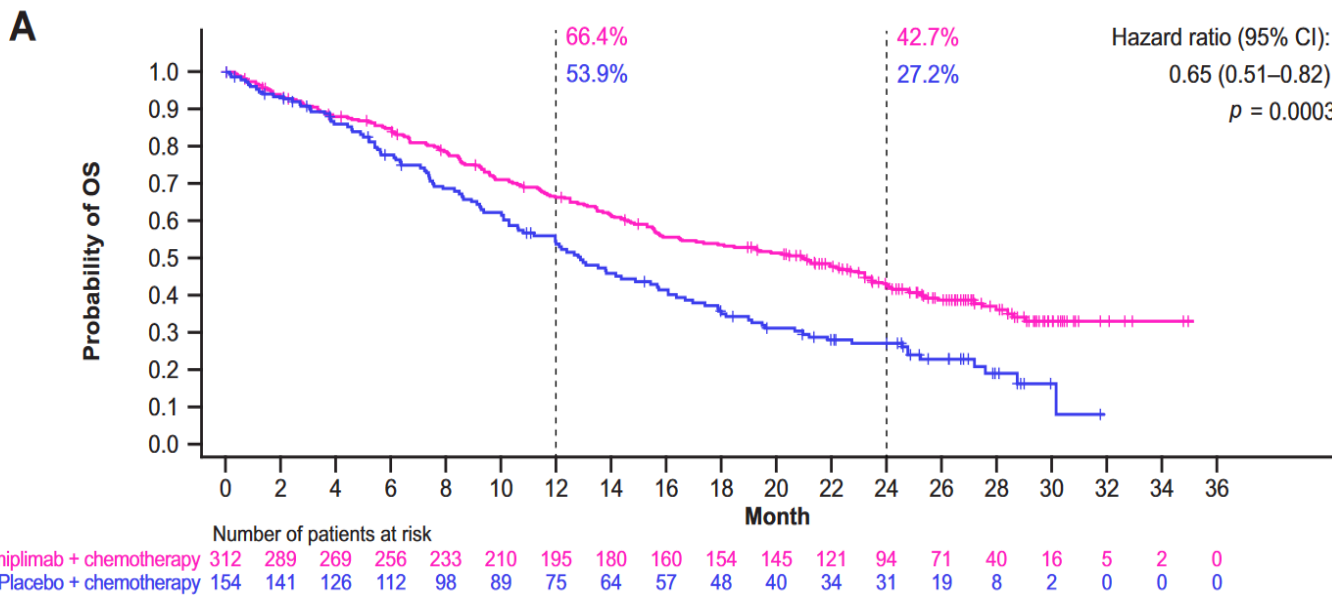
EMPOWER-Lung 3

- Key eligibility criteria**
- Treatment-naive advanced NSCLC (squamous and non-squamous histology; Stage IIIb/c, IV)
 - Any PD-L1 expression
 - No *EGFR*, *ALK*, or *ROS1* aberrations
 - ECOG performance status 0 or 1
 - Treated, clinically stable CNS metastases
- Stratification factors**
- PD-L1 expression: ≥50% vs 1–49% vs <1%
 - Histology: squamous vs non-squamous



- Endpoints**
- Primary: OS
 - Key secondary: PFS and ORR
 - Additional secondary: DOR, BOR, safety, and PROs

	Cemiplimab + chemo (OS events/patients)	Placebo + chemo (OS events/patients)	Hazard ratio (95% CI)
All patients	180/312	111/154	0.65 (0.51–0.82)
Age group			
<65 years	100/184	70/94	0.53 (0.39–0.72)
≥65 years	80/128	41/60	0.81 (0.55–1.18)
Sex			
Male	155/268	92/123	0.55 (0.42–0.71)
Female	25/44	19/31	0.98 (0.54–1.78)
Race			
White	155/267	102/138	0.61 (0.47–0.78)
Non-White	25/45	9/16	0.81 (0.38–1.74)
Histology			
Squamous	79/133	47/67	0.61 (0.42–0.87)
Nonsquamous	101/179	64/87	0.64 (0.47–0.88)
PD-L1 level			
<1%	66/95	34/44	0.94 (0.62–1.42)
1–49%	62/114	43/61	0.50 (0.34–0.74)
≥50%	52/103	34/49	0.56 (0.36–0.86)
ECOG performance status			
0	15/51	14/18	0.24 (0.12–0.51)
1	163/259	96/134	0.70 (0.54–0.90)
Geographic region			
Europe	157/270	102/138	0.61 (0.48–0.79)
Asia	23/42	9/16	0.78 (0.36–1.69)
Brain metastasis at baseline			
Yes	12/24	7/7	0.29 (0.11–0.75)
No	168/288	104/147	0.65 (0.51–0.83)
Cancer stage at screening			
Locally advanced	21/45	18/24	0.50 (0.27–0.95)
Metastatic	159/267	93/130	0.64 (0.49–0.83)
Smoking history			
Smokers	155/269	96/130	0.58 (0.45–0.75)
Non-smokers	25/43	15/24	0.85 (0.45–1.62)



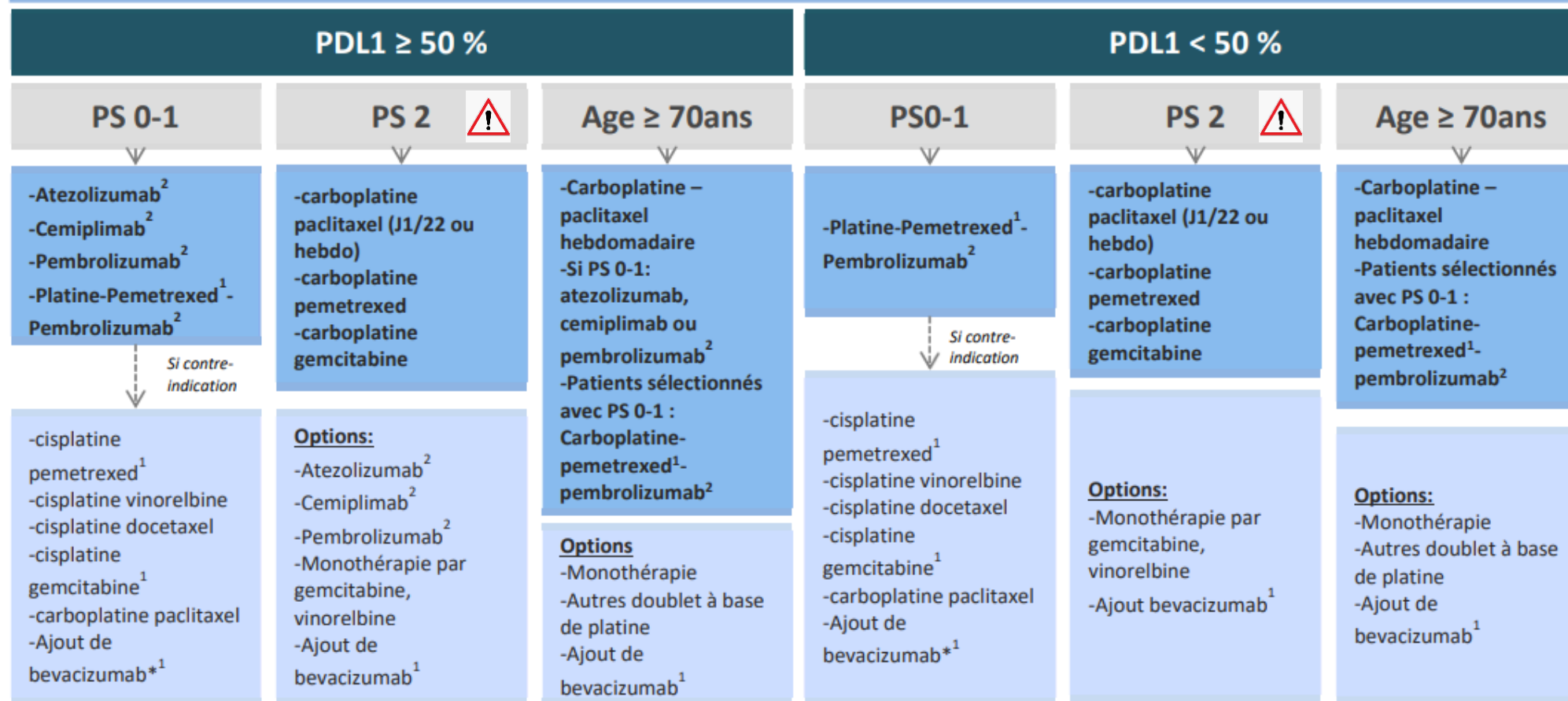
0.1 1 10

← Cemiplimab + chemo better | Placebo + chemo better →

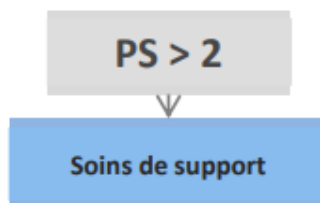
Modality OF 1ST LINE OF ADVANCED NSCLC IN 2023



NON SQUAMOUS CANCER OF STAGE cIV WITHOUT ONCOGENIC ADDICTION



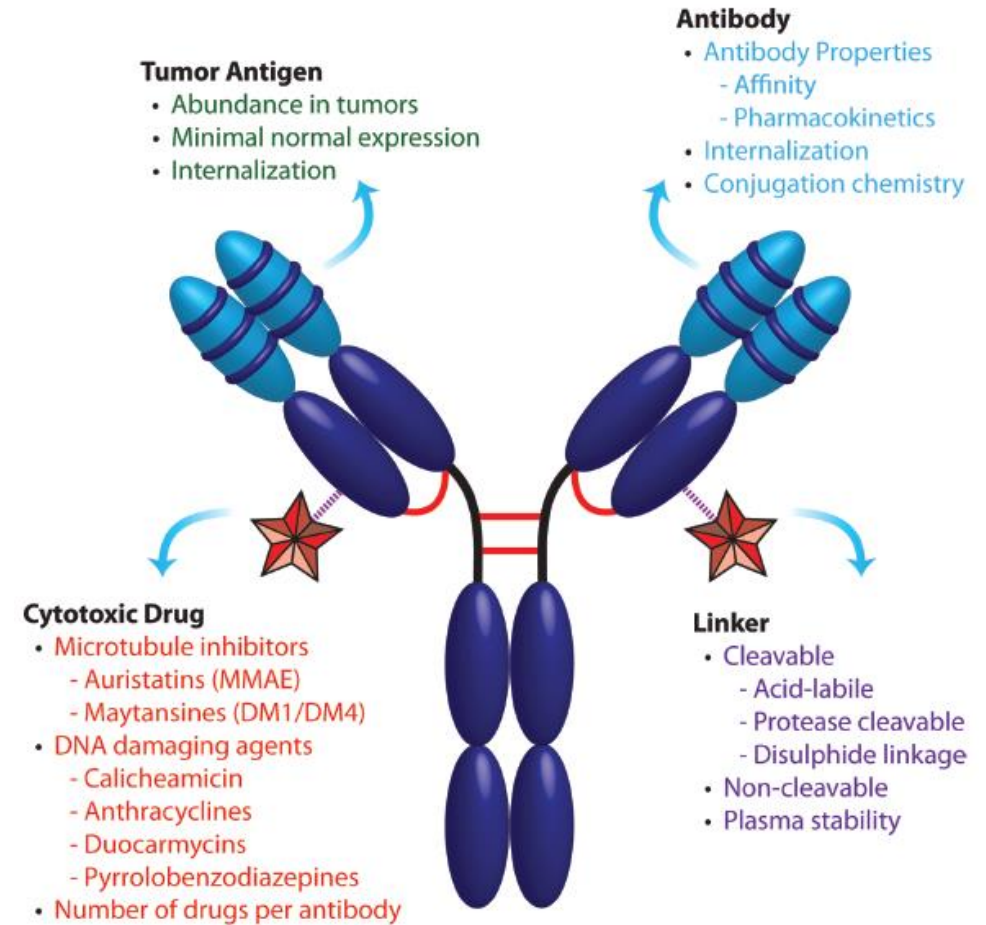
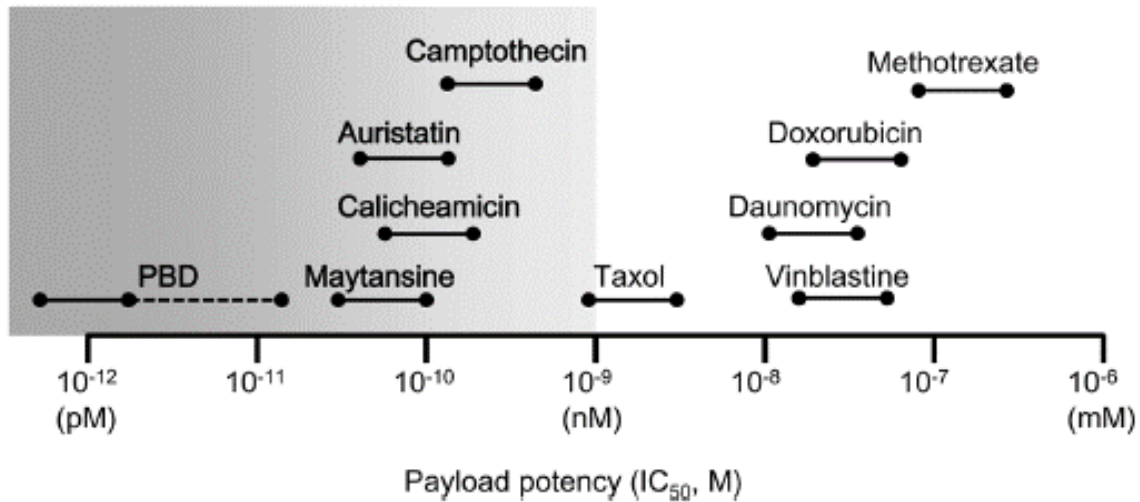
1. Suivie d'une maintenance de continuation après 4 cycles de platine jusqu'à progression ou toxicité inacceptable (en option pour gemcitabine)
 2. Poursuivie jusqu'à progression, toxicité inacceptable, ou jusque 2 ans
 *Option: Double maintenance de continuation par bevacizumab-pemetrexed jusqu'à progression ou toxicité inacceptable



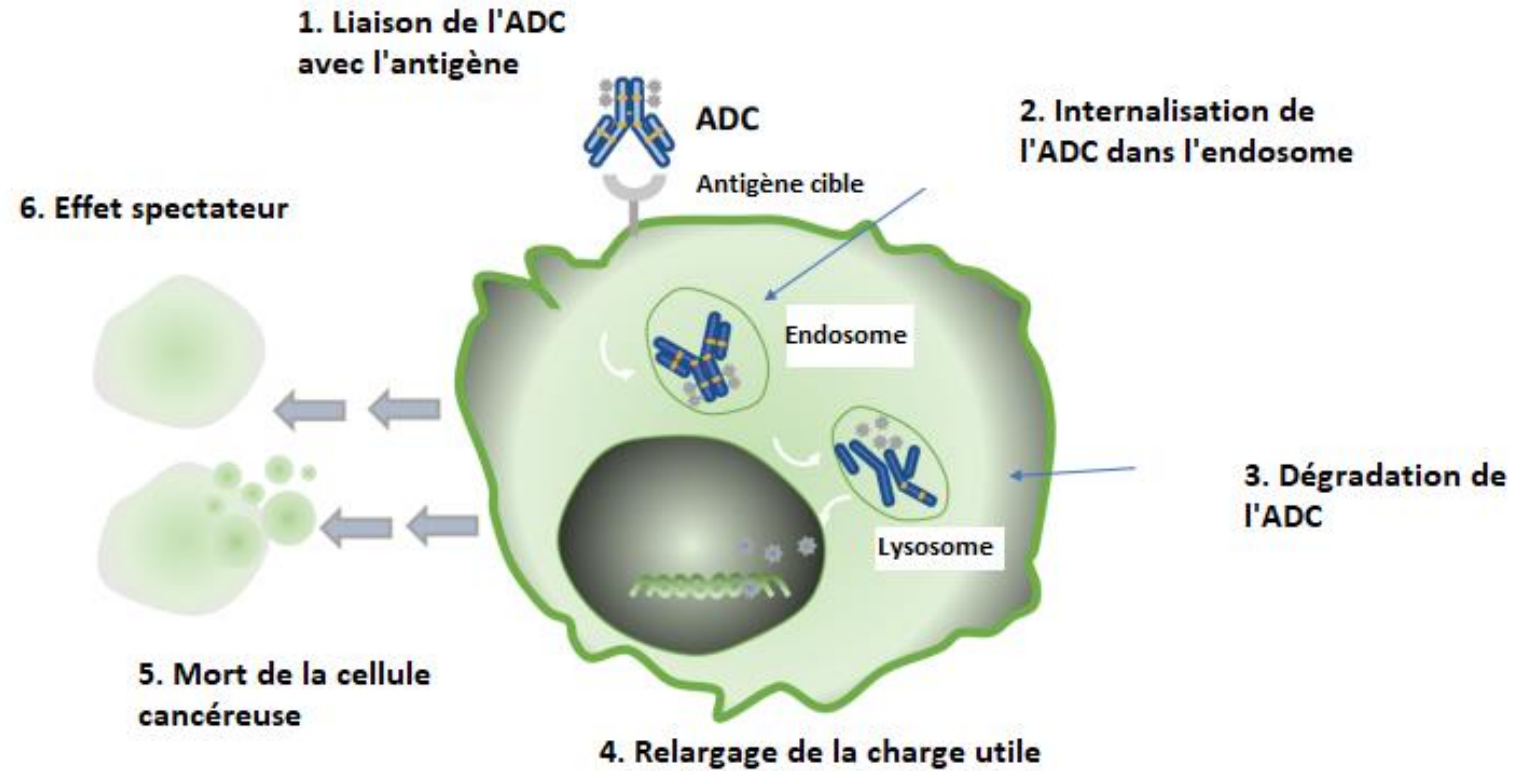
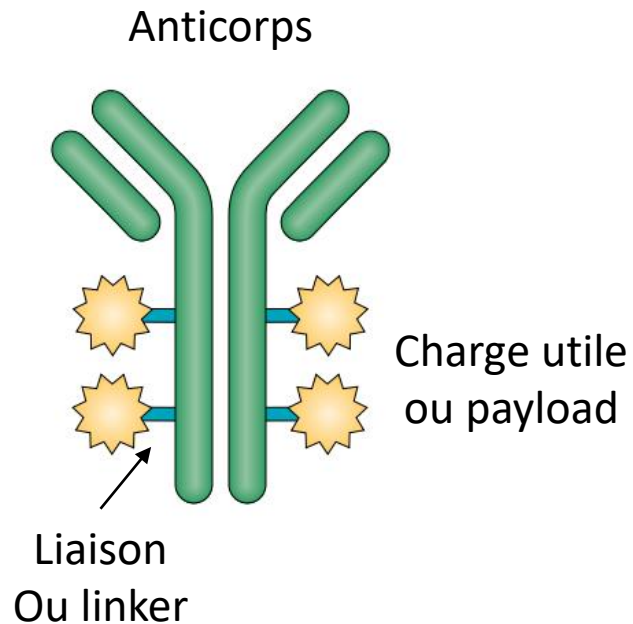


PERSPECTIVES

ADC



ADC ANTIBODY DRUG CONJUGATED

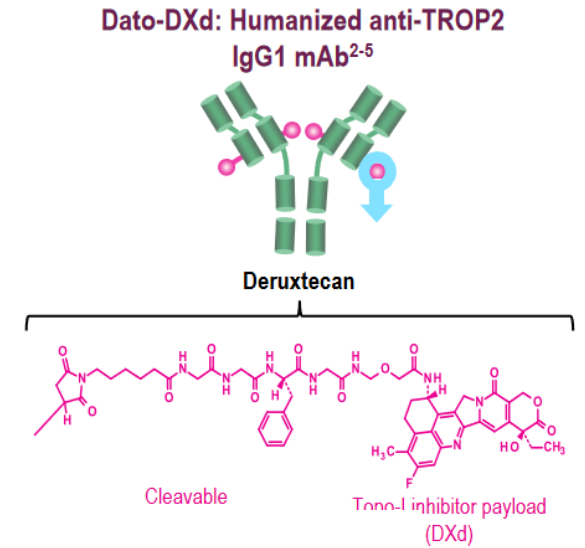


Lisberg AE, et al. Ann Oncol 2023;34(suppl):Abstr LBA12

LBA 12 – TROPION-LUNG01

DATOPOTAMAB DERUXTECAN (DATO-DXD) VS DOCETAXEL IN ADVANCED NSCLC

- Phase 3 randomized in open



Key Eligibility Criteria

- NSCLC (stage IIIB, IIIC, or IV)
- ECOG PS of 0 or 1
- No prior docetaxel
- Without actionable genomic alterations^a**
 - 1 or 2 prior lines, including platinum CT and anti-PD-(L)1 mAb therapy
- With actionable genomic alterations**
 - Positive for *EGFR*, *ALK*, *NTRK*, *BRAF*, *ROS1*, *MET* exon 14 skipping, or *RET*
 - 1 or 2 prior approved targeted therapies + platinum-based CT, and ≤1 anti-PD-(L)1 mAb

R 1:1

Dato-DXd
6 mg/kg Q3W
(N=299)

Docetaxel
75 mg/m² Q3W
(N=305)

Dual Primary Endpoints

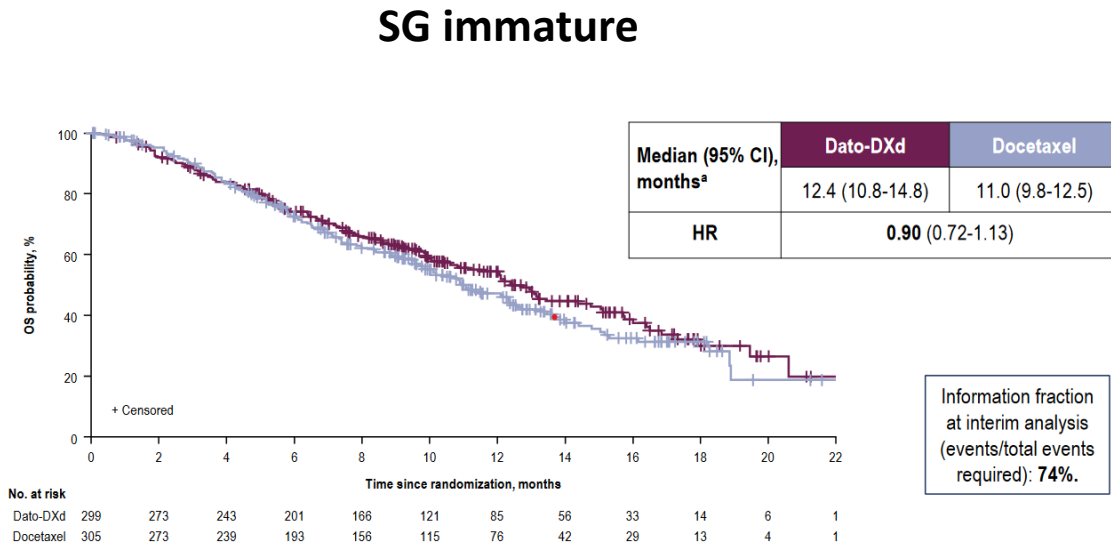
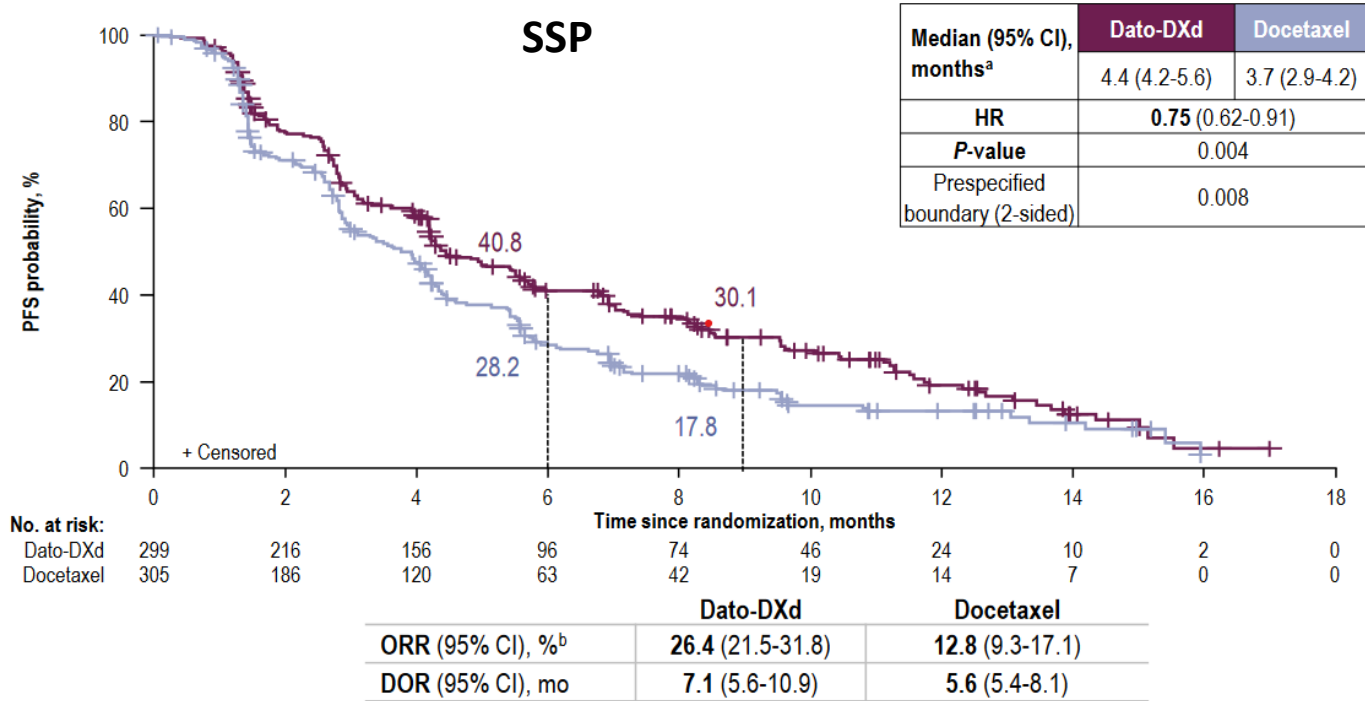
- PFS by BICR
- OS

Secondary Endpoints

- ORR by BICR
- DOR by BICR
- Safety

Stratified by: histology,^b actionable genomic alteration,^c anti-PD-(L)1 mAb included in most recent prior therapy, geography^d

TROPION LUNG01 – PROGRESSION FREE SURVIVAL AND OVERALL SURVIVAL IN ITT

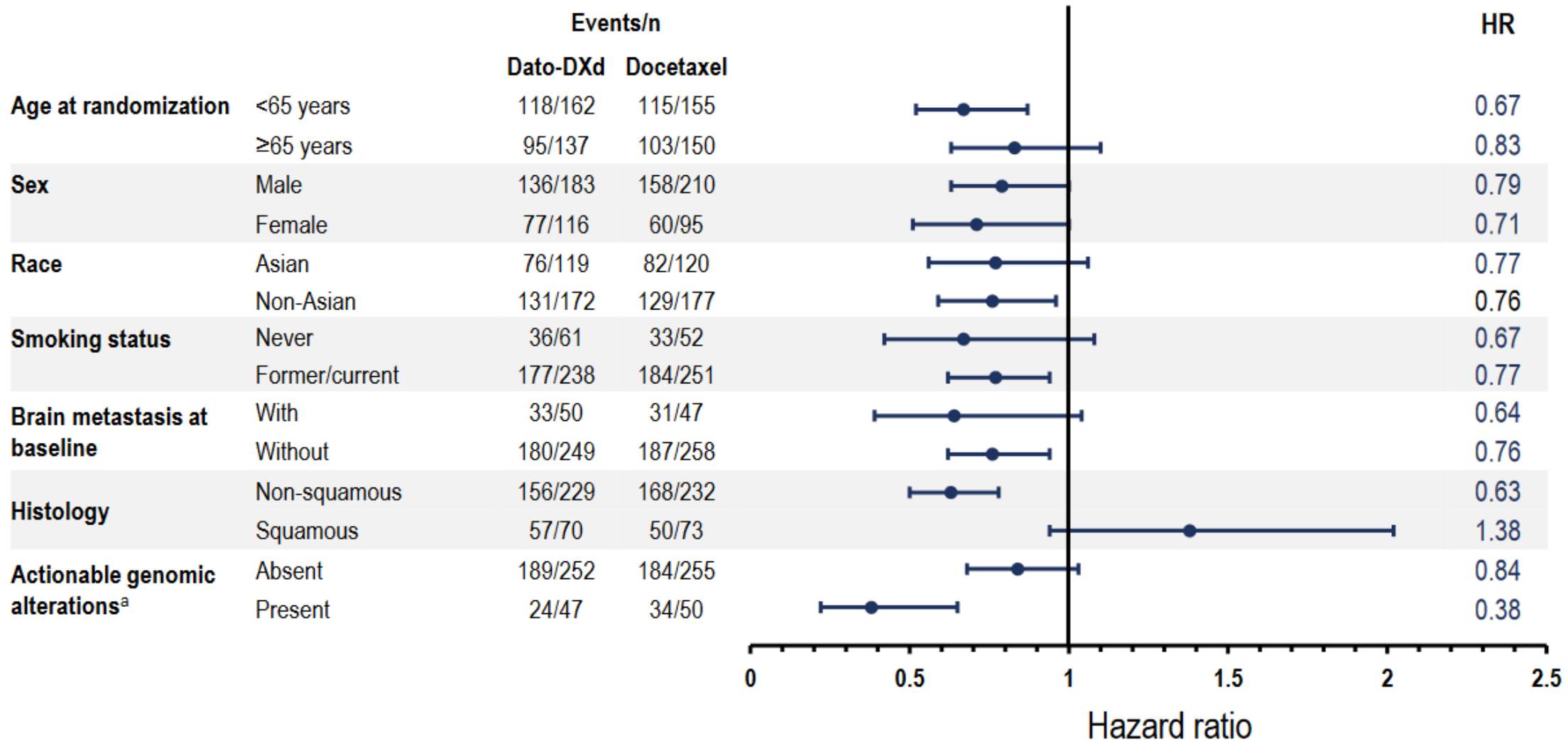


Lisberg AE, et al. Ann Oncol 2023;34(suppl):Abstr LBA12

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TROPION LUNG01 – PFS IN SUB-GROUPS



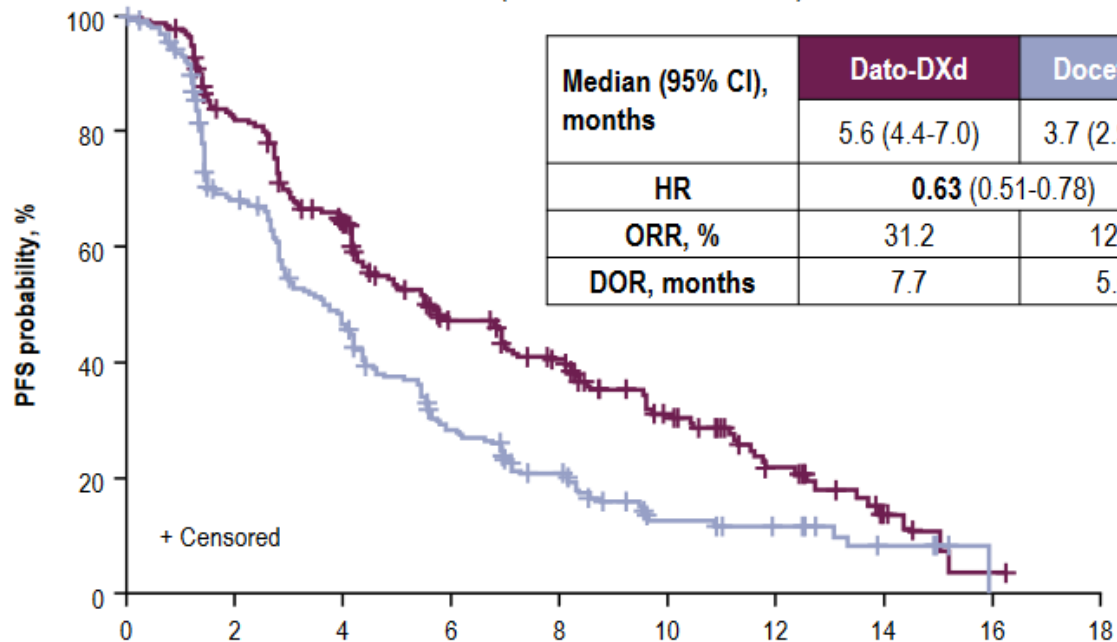
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TROPION LUNG01 – SSP IN SUB-GROUPS

Non-squamous

(with and without AGAs)

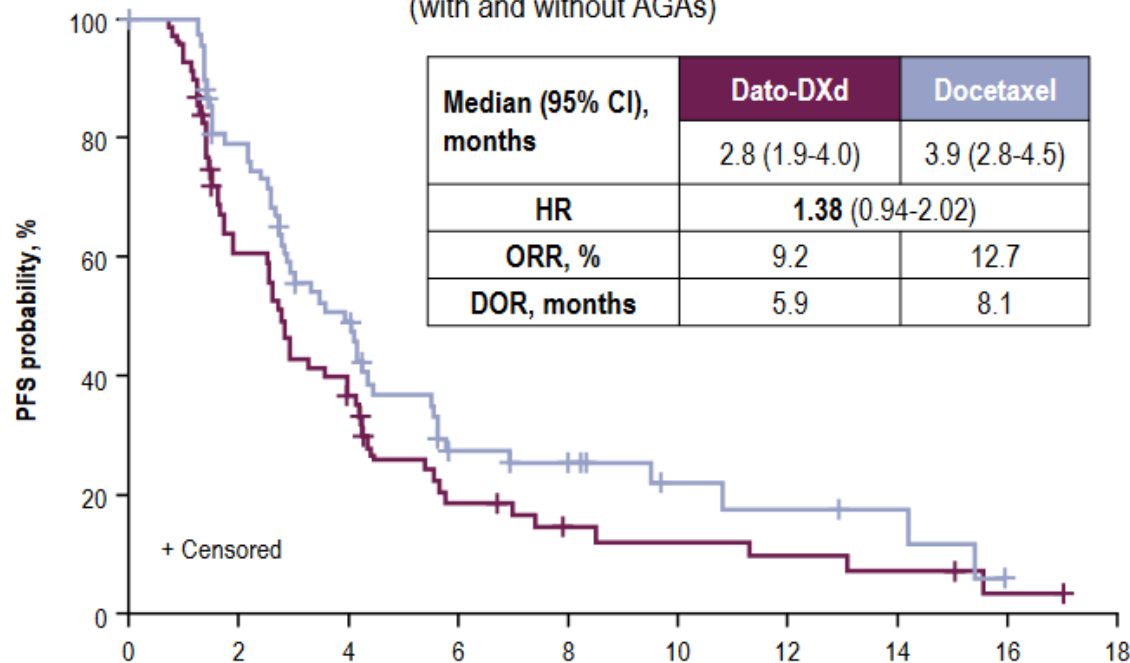


Median (95% CI), months	Dato-DXd	Docetaxel
	5.6 (4.4-7.0)	3.7 (2.9-4.2)
HR	0.63 (0.51-0.78)	
ORR, %	31.2	12.8
DOR, months	7.7	5.6

No. at risk	Time since randomization, months									
	0	2	4	6	8	10	12	14	16	18
Dato-DXd	229	178	134	86	68	41	20	7	1	0
Docetaxel	232	135	90	50	32	14	10	4	0	0

Squamous

(with and without AGAs)



Median (95% CI), months	Dato-DXd	Docetaxel
	2.8 (1.9-4.0)	3.9 (2.8-4.5)
HR	1.38 (0.94-2.02)	
ORR, %	9.2	12.7
DOR, months	5.9	8.1

No. at risk	Time since randomization, months									
	0	2	4	6	8	10	12	14	16	18
Dato-DXd	70	38	22	10	6	5	4	3	1	0
Docetaxel	73	51	30	13	10	5	4	3	0	0

PFS HR for non-squamous without AGAs: 0.71 (0.56, 0.91)

TROPION LUNG01 – TOLERANCE



TRAEs, n (%)	Dato-DXd N=297	Docetaxel N=290
All grades	257 (87)	252 (87)
Grade ≥3	73 (25)	120 (41)
Associated with dose reduction	58 (20)	85 (29)
Associated with dose delay	49 (17)	31 (11)
Associated with discontinuation	23 (8)	34 (12)
Associated with death^a	3 (1)	2 (1)
Serious TRAEs	30 (10)	36 (12)
Grade ≥3	25 (8)	33 (11)

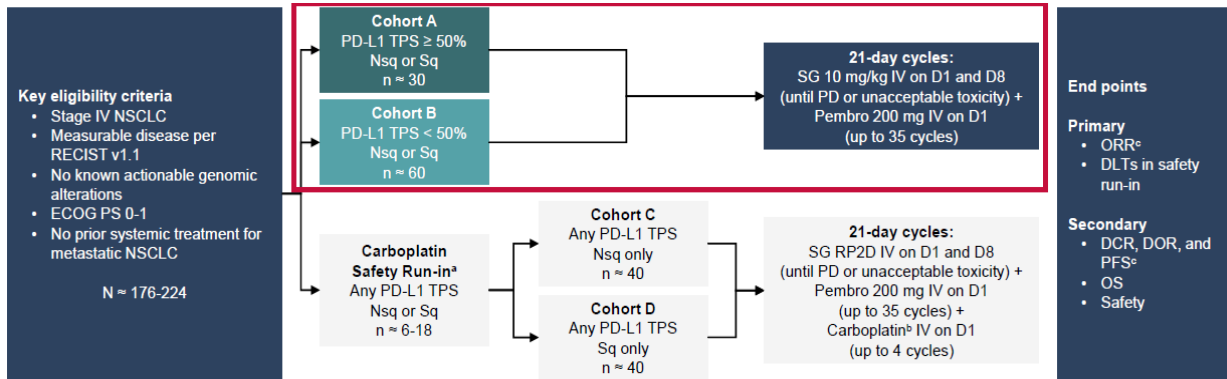
AESIs, n (%)	Dato-DXd N=297	Docetaxel N=290
Stomatitis/oral mucositis^a		
All grades	160 (54)	59 (20)
Grade ≥3	19 (6)	4 (1)
Ocular events^b		
All grades	57 (19)	27 (9)
Grade ≥3	5 (2) ^c	0
Adjudicated drug-related ILD^d		
All grades	25 (8)	12 (4)
Grade ≥3	10 (3)	4 (1)
Grade 5	7 (2)	1 (0.3)

Lisberg AE, et al. Ann Oncol 2023;34(suppl):Abstr LBA12

NEW ASSOCIATIONS...

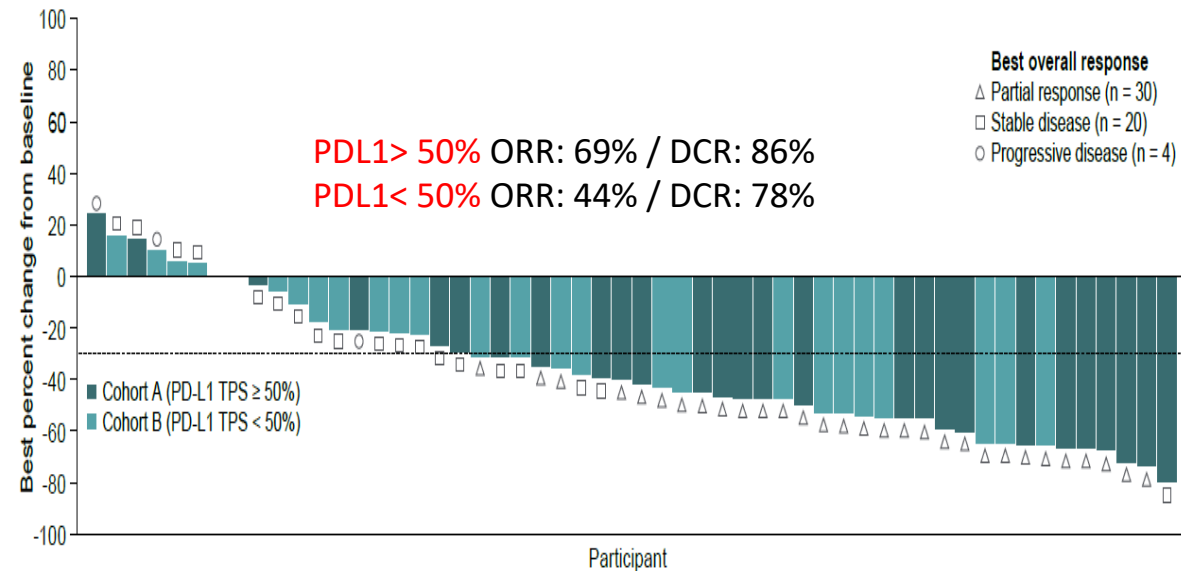
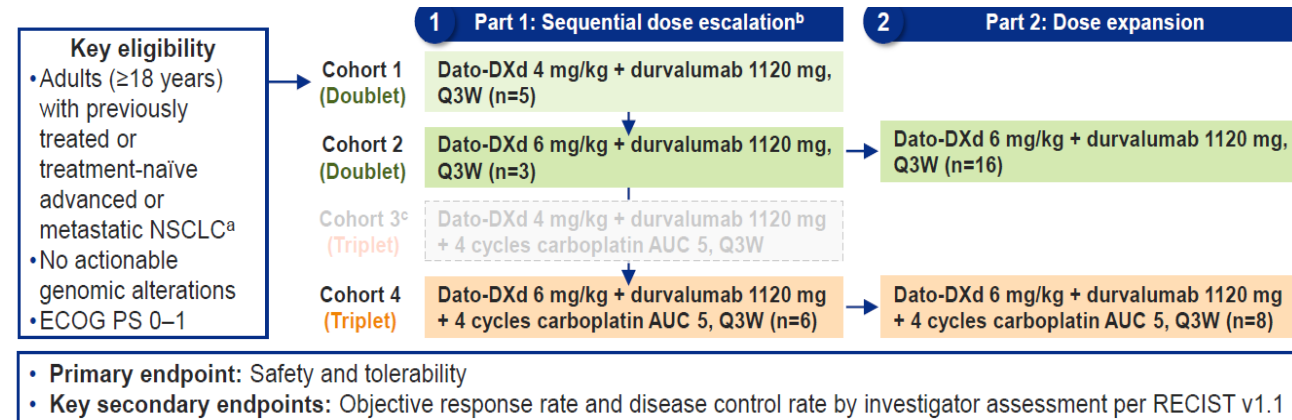
EVOKE 02 Study

Sacituzumab Govitecan + Pembrolizumab



TROPION Lung04

Datopotamab Deruxtecan + Durvalumab +/-Carboplatin



Response	Cohort 2 (doublet) (n=14)	Cohort 4 (triplet) (n=13)
cORR, n (%) [95%CI]	7 (50.0) [23.0, 77.0]	10 (76.9) [46.2, 95.0]
BOR, n (%)		
PR	7 (50.0)	10 (76.9)
SD	6 (42.9)	2 (15.4)
PD	1 (7.1)	1 (7.7)
DCR, n (%) [95%CI]	13 (92.9) [66.1, 99.8]	12 (92.3) [64.0, 99.8]

Cho BC, et al. J Thorac Oncol 2023;18(suppl 9):Abstr OA05.04 ; Papadopoulos KP, et al. J Thorac Oncol 2023;18(suppl 9):Abstr OA05.06

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BEYOND TRIALS: PATIENT BEYOND CLINICAL TRIAL

- General
- Age
- Brain metastasis
- Other metastasis (threatening)
- Symptoms
- Time for evolution
- Sides effects/ Toxicity
- Comorbidity/ Previous treatment
- Comedications (ATB, corticoids, other)



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