



Cáncer de Pulmón: enfermedad localizada y microcítico

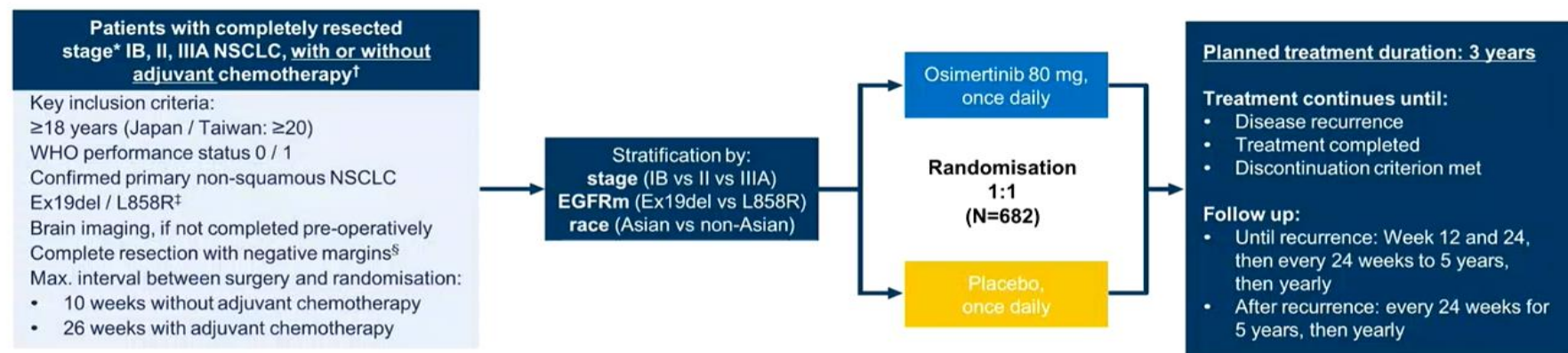
Sergio Vázquez Estévez

Hospital Unniversitario Lucus Augusti. Lugo

ENFERMEDAD LOCALIZADA: ADYUVANCIA



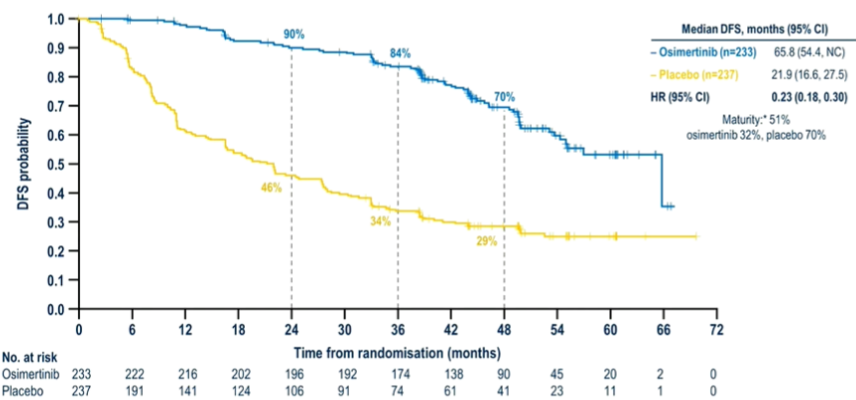
PHASE III ADAURA STUDY DESIGN



Endpoints

- **Primary endpoint:** DFS by investigator assessment in stage II / IIIA patients, designed for superiority under the assumed DFS HR of 0.70
- **Key secondary endpoints:** DFS in the overall population¶, DFS at 2, 3, 4, and 5 years, OS, safety, health-related quality of life
- **Pre-specified exploratory endpoints:** Patterns of recurrence, time to CNS disease recurrence or death (CNS DFS)

PRIMARY ENDPOINT: UPDATED DFS IN STAGE II / IIIA DISEASE

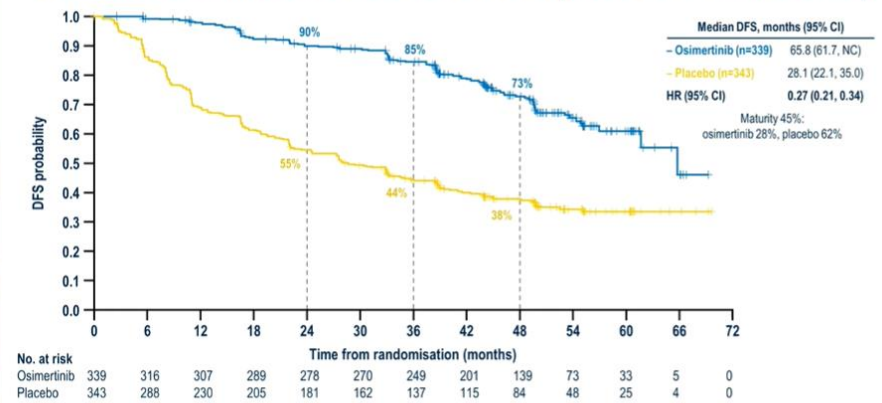


PARIS 2022 ESMO congress

Masahiro Tsuboi, MD

Median follow-up: osimertinib 44.2 months (range 0 to 81), placebo 19.6 months (range 0 to 70); DFS by investigator assessment. Tick marks indicate censored data. *Planned maturity for DFS analysis: 50%.
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CI: confidence interval; DFS: disease-free survival; HR: hazard ratio; NC: not calculable
Data cut-off: April 11, 2022

UPDATED DFS IN THE OVERALL POPULATION (STAGE IB / II / IIIA DISEASE)



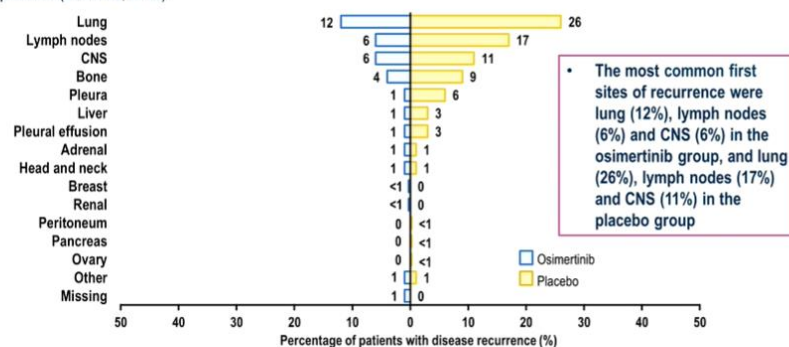
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Masahiro Tsuboi, MD

Median follow-up: osimertinib 44.2 months (range 0 to 81), placebo 27.7 months (range 0 to 70); DFS by investigator assessment. Tick marks indicate censored data.
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CI: confidence interval; DFS: disease-free survival; HR: hazard ratio; NC: not calculable
Data cut-off: April 11, 2022

PATTERNS OF DISEASE RECURRENCE (OVERALL POPULATION)

- In the overall population, fewer patients treated with osimertinib had disease recurrence (93/339; 27%) compared with placebo (205/343; 60%)*



* The most common first sites of recurrence were lung (12%), lymph nodes (6%) and CNS (6%) in the osimertinib group, and lung (26%), lymph nodes (17%) and CNS (11%) in the placebo group

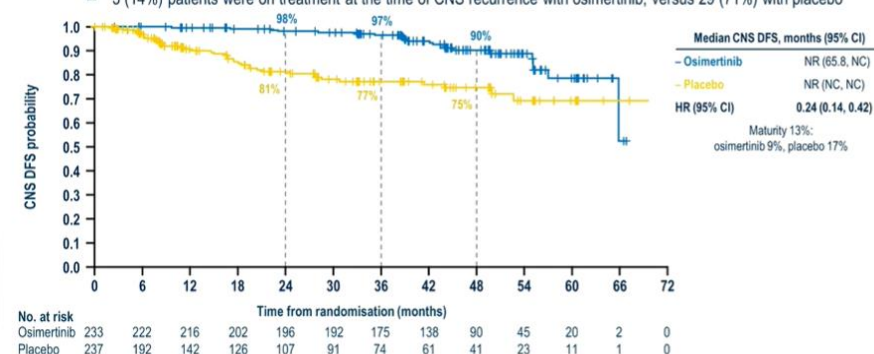
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*Detected recurrence only: osimertinib 45/339 (13%); placebo 107/343 (31%); local/regional only: osimertinib 42/339 (12%); placebo 78/343 (23%); local/regional and distant: osimertinib 6/339 (2%); placebo 20/343 (6%).
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CNS, central nervous system.
Data cut-off: April 11, 2022.

UPDATED CNS DFS IN PATIENTS WITH STAGE II / IIIA DISEASE

- Overall, 63 patients (osimertinib n=22, placebo n=41) had CNS DFS events:*
- 3 (14%) patients were on treatment at the time of CNS recurrence with osimertinib, versus 29 (71%) with placebo

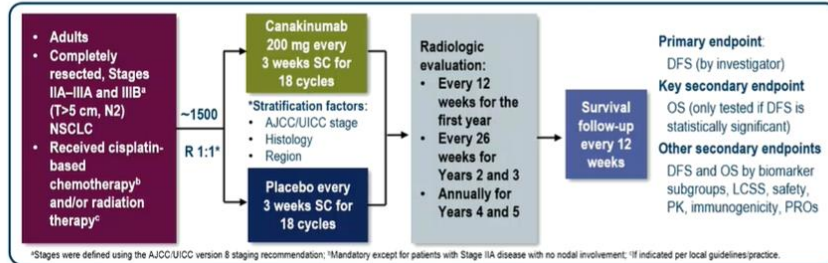


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*Median follow-up: osimertinib 44.2 months, placebo 25.4 months. DFS by investigator assessment. Tick marks indicate censored data.
*Defined as CNS as the first site of disease recurrence, or death without any disease recurrence.
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CI, confidence interval; CNS, central nervous system; DFS, disease-free survival; HR, hazard ratio; NC, not calculable; NR, not reached.
Data cut-off: April 11, 2022.

CANOPY-A study design



- A total of 1382 patients were randomized (1:1) between April 2018 and December 2021 to receive canakinumab (n=693) or placebo (n=689)

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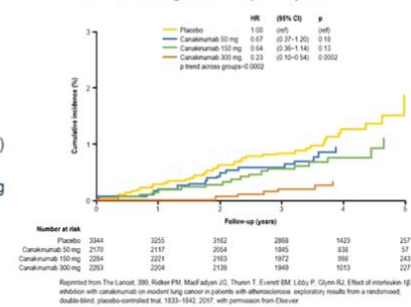
Edward B. Garon
AJCC, American Joint Committee on Cancer; DFS, disease-free survival; LCSS, lung cancer-specific survival; N, node; NSCLC, non-small cell lung cancer; OS, overall survival; PK, pharmacokinetics; PRO, patient-reported outcome; R, randomization; SC, subcutaneous; T, tumor; UICC, Union for International Cancer Control.

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Background: Canakinumab and lung cancer

- The role of inflammation in lung cancer has been well studied¹
- Targeting inflammation in lung cancer has not been therapeutically harnessed¹
- Canakinumab is a high-affinity, anti-IL-1 β monoclonal antibody²
- Exploratory analysis of the CANTOS (Phase III cardiovascular) study showed reductions in NSCLC incidence and mortality³
 - The majority of patients diagnosed with lung cancer during the CANTOS trial had detectable ctDNA at baseline⁴
- This led to the launch of the CANOPY-A study

Cumulative incidence of fatal lung cancer cases among CANTOS participants³

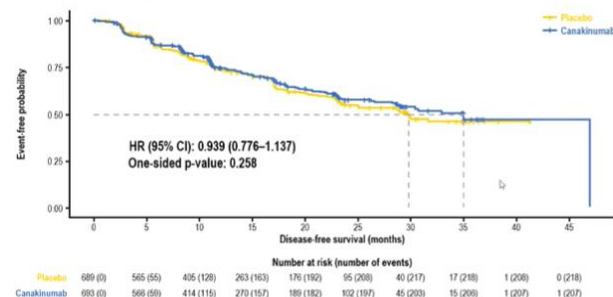


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1. Garon EB, et al. JTO Clin Res Rep 2020;1:190001. 2. Data on file. 2020. Novartis Pharmaceuticals Corporation. 3. Rivker PM, et al. Lancet 2017;390:1833-1842. 4. Wang CC, et al. Cancer Res 2020;80:5597-5605.

CI, confidence interval; ctDNA, circulating tumor DNA; HR, hazard ratio; IL-1 β , interleukin-1 beta; NSCLC, non-small cell lung cancer.

DFS (primary endpoint)



- DFS was not significantly improved with canakinumab versus placebo (median 35.0 months and 29.7 months, respectively; HR 0.94; 95% CI 0.78–1.14; one-sided p=0.258)

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CI, confidence interval; DFS, disease-free survival; HR, hazard ratio.

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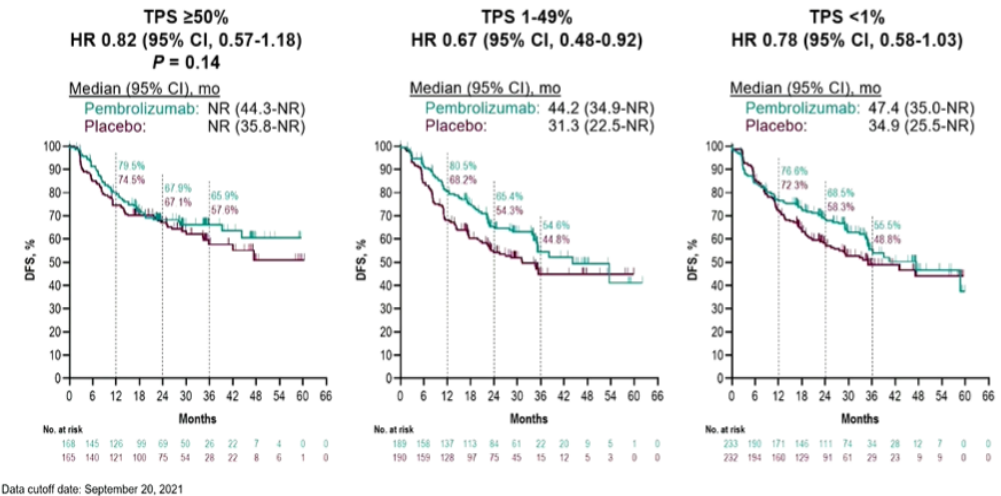
Garon EB, et al. ESMO 2022

PD-L1 Expression and Outcomes of Pembrolizumab and Placebo in Completely Resected Stage IB-IIIA NSCLC: Subgroup Analysis of PEARLS/KEYNOTE-091

Solange Peters,¹ Benjamin Besse,² Sandrine Marreaud,³ Urania Dafni,⁴ Kersti Oselin,⁵ Libor Havel,⁶ Emilio Esteban,⁷ Dolores Isla,⁸ Alex Martinez-Marti,⁹ Martin Faehling,¹⁰ Masahiro Tsuboi,¹¹ Jong-Seok Lee,¹² Kazuhiko Nakagawa,¹³ Jing Yang,¹⁴ Steven M Keller,¹⁴ Murielle Mauer,³ Nitish Jha,³ Rolf Stahel,¹⁵ Luis Paz-Ares,¹⁶ Mary O'Brien¹⁷

¹Lausanne University Hospital, Lausanne, Switzerland; ²Institut Gustave Roussy, Villejuif, France; ³European Organisation for Research and Treatment of Cancer, Headquarters Brussels, Belgium; ⁴National and Kapodistrian University of Athens and Frontier Science Foundation Hellas; ⁵North Estonia Medical Centre, Tallinn, Estonia; ⁶Charles University and Thomayer Hospital, Prague, Czech Republic; ⁷Hospital Universitario Central de Asturias, Oviedo, Spain; ⁸University Hospital Lozano Blesa, IIS Aragon, Zaragoza, Spain; ⁹Vall d'Hebron Institute of Oncology (VHIO), Vall d'Hebron University Hospital, Barcelona, Spain; ¹⁰Klinikum Esslingen, Esslingen, Germany; ¹¹National Cancer Center Hospital East, Kashiwa, Japan; ¹²Seoul National University Bundang Hospital, Seoul National University College of Medicine, Seongnam, South Korea; ¹³Kindai University Faculty of Medicine, Osaka, Japan; ¹⁴Merck & Co., Inc., Rahway, NJ, USA; ¹⁵European Thoracic Oncology Platform, Bern, Switzerland; ¹⁶Hospital Universitario 12 de Octubre, CNIO, Ciberonc & Universidad Complutense, Madrid, Spain; ¹⁷Royal Marsden Hospital, London, UK

DFS: Pembrolizumab vs Placebo by PD-L1 TPS



Peters S, et al. ESMO 2022

Longitudinal Monitoring of Circulating Tumor DNA from Plasma in Patients with Curative Resected Stage IA-IIIA EGFR mutant Non-small Cell Lung Cancer

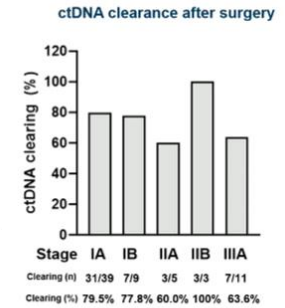
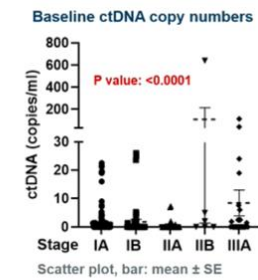
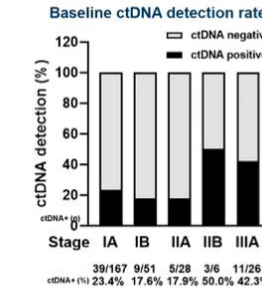
Myung-Ju Ahn, Hyun-Ae Jung, Bo Mi Ku, Yeon Jeong Kim, Sehhoon Park, Jong-Mu Sun, Se-Hoon Lee, Jin Seok Ahn, Jong Ho Cho, Hong Kwan Kim, Yong Soo Choi, Jhingook Kim

Samsung Medical Center, Sungkyunkwan University School of Medicine, Seoul, Republic of Korea



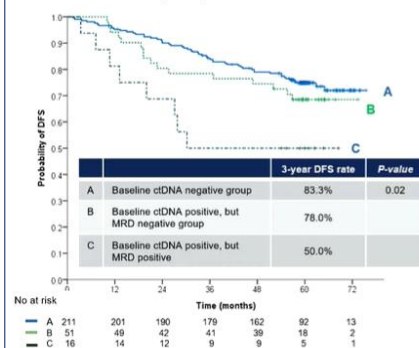
Results

- Among 278 patients, baseline ctDNA was detected in 67 (24.1%) patients: 23.4% (stage IA), 17.6% (IB), 17.9% (IIA), 50.0% (IIB), and 42.3% (IIIA) ($P=0.06$). Baseline ctDNA copy numbers are increasing according to stage
- Among 67 patients with baseline ctDNA+, 76.1% (51/67) showed ctDNA clearance 4 weeks after surgery
- No difference in ctDNA detection rate (24% vs 24.3%) or clearance rate (75% vs 77.8%) between exon 19 del and L858R

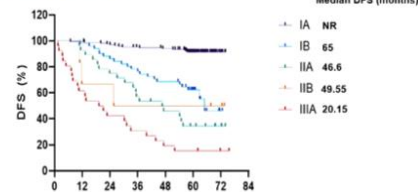


DFS by ctDNA status

Recurrence 78/278 (28.1%)



DFS by Stage



Multivariate Analysis for DFS

Variable	HR (95% CI)	P-value
Sex (Female vs. Male)	0.70 (0.31-1.58)	0.39
Smoking status (Never vs. Ever)	1.55 (0.67-3.55)	0.31
EGFR mutation (Del19 vs. L858R)	0.68 (0.42-1.11)	0.12
ECOG PS (0 vs. 1)	0.91 (0.21-4.01)	0.91
Stage (I vs II-III)	3.84 (2.91-5.06)	<0.001
ctDNA group	1.27 (1.03-1.57)	0.03

Final overall survival analysis of phase III study of pemetrexed/cisplatin versus vinorelbine/cisplatin for completely resected non-squamous non-small-cell lung cancer: the JIPANG Study

JRCTs041180023

On the behalf of JIPANG investigators

Kiyotaka Yoh, Hirotugu Kenmotsu, Nobuyuki Yamamoto, Toshihiro Misumi, Toshiaki Takahashi, Haruhiro Saito, Shunichi Sugawara, Koji Yamazaki, Kazuhiko Nakagawa, Kenji Sugio, Takashi Seto, Shinichi Toyooka, Hiroshi Date, Tetsuya Mitsudomi, Isamu Okamoto, Kohei Yokoi, Hideo Saka, Hiroaki Okamoto, Yuichi Takiguchi, Masahiro Tsuboi



JIPANG: Study Design

The JIPANG study has demonstrated pemetrexed/cisplatin had a similar efficacy on recurrence-free survival to vinorelbine/cisplatin with a better tolerability as postoperative adjuvant chemotherapy for patients with completely resected non-squamous non-small-cell lung cancer (Kenmotsu H, et al. J Clin Oncol 2020; 38: 2187-2196).

KEY ELIGIBILITY

- Completely resected non-Sq NSCLC
- Pathological stage II-IIIa (7th TNM)
- ECOG PS 0-1
- Age 20-75 years
- Lobectomy or pneumonectomy with resection of N2 lymph nodes within 3-8 weeks

N=804

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**Vinorelbine (25 mg/m², days 1, 8)
+Cisplatin (80 mg/m², day 1)
every 3 weeks, up to 4 cycles**

**Pemetrexed (500 mg/m², day 1)
+Cisplatin (75 mg/m², day 1)
every 3 weeks, up to 4 cycles**

ENDPOINTS

- Primary
- Recurrence-free survival
- Secondary
- Overall survival
 - Rate of treatment completion
 - Toxicity

Stratification factors: Gender (female vs. male), Age (<70 years vs. ≥70 years),

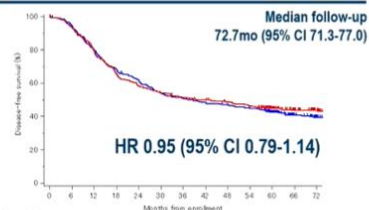
Pathological stage (II vs. IIIa), EGFR mutation (mutant vs. wild), Institution

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RFS and OS: 5-year follow-up

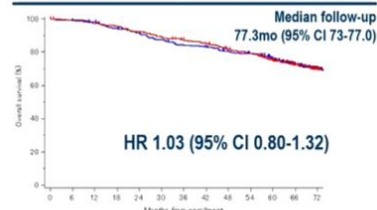
RFS assessed by investigators

	VNR+CCDP (n=394)	PEM+CCDP (n=389)
Number of events	236	220
Median RFS (95%CI)	37.5 mo (28.9-52.6)	43.4 mo (29.0-59.7)
3-year RFS (95%CI)	51.0% (49.5-74.9%)	51.6% (46.5-56.4%)
5-year RFS (95%CI)	42.6% (37.7-47.5%)	44.9% (39.8-49.8%)



Overall survival

	VNR+CCDP (n=394)	PEM+CCDP (n=389)
Number of events	119	123
Median OS (95%CI)	Not reached (NR-NR)	Not reached (NR-NR)
3-year OS (95%CI)	84.1% (80.0-87.3%)	87.0% (83.2-90.0%)
5-year OS (95%CI)	75.6% (71.0-79.6%)	75.0% (70.3-79.0%)



ENFERMEDAD LOCALIZADA: NEOADYUVANCIA



INCREASE DESIGN

Key inclusion criteria:

- cT3-4N0-2M0 NSCLC^a
- Eligible for post-induction resection
- PS 0-1
- n = 26 evaluable patients

Netherlands Trial Register: NL8435

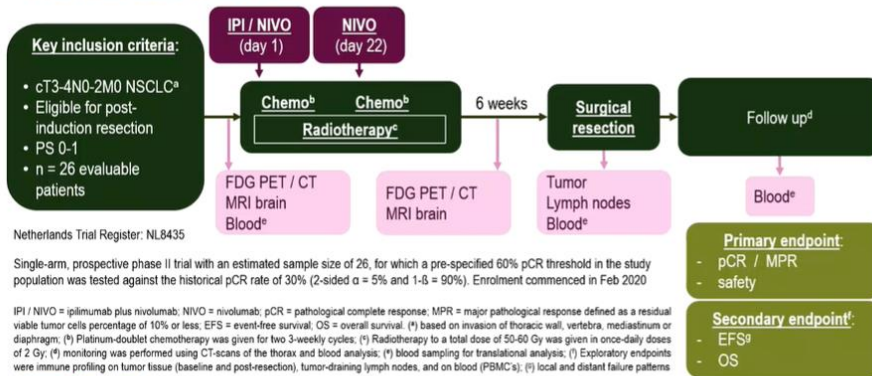
Single-arm, prospective phase II trial with an estimated sample size of 26, for which a pre-specified 60% pCR threshold in the study population was tested against the historical pCR rate of 30% (2-sided $\alpha = 5\%$ and 1- $\beta = 90\%$). Enrolment commenced in Feb 2020

IPI / NIVO = ipilimumab plus nivolumab; NIVO = nivolumab; pCR = pathological complete response; MPR = major pathological response defined as a residual viable tumor cells percentage of 10% or less; EFS = event-free survival; OS = overall survival; (*) based on invasion of thoracic wall, vertebra, mediastinum or diaphragm; (†) Platinum-doublet chemotherapy was given for two 3-weekly cycles; (‡) Radiotherapy to a total dose of 50-60 Gy was given in once-daily doses of 2 Gy; (§) monitoring was performed using CT-scans of the thorax and blood analysis; (¶) blood sampling for translational analysis; (||) Exploratory endpoints were immune profiling on tumor tissue (baseline and post-resection), tumor-draining lymph nodes, and on blood (PBMCs); (¶) local and distant failure patterns



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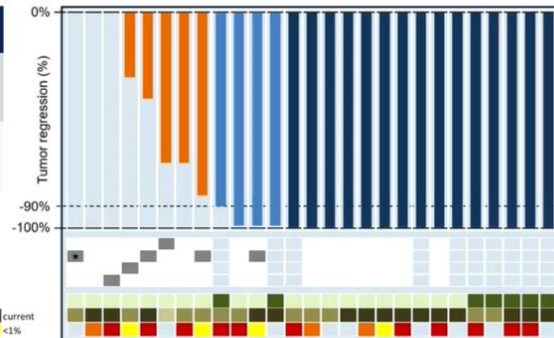


PRIMARY ENDPOINTS: pCR & MPR

	pCR n (%)	MPR n (%)
Operated patients, n=24	15 (63%) (p < 0.001) ^a	19 (79%)
Received induction ^b , n=27	15 (55%) (p = 0.003) ^a	19 (70%)

(a) Binomial probability using 30% pCR as historical reference
(b) Excluding on-treatment patients

Identified key ^c genomic alterations	EGFR	yes	no
	STK11	yes	no
	ERBB2	yes	no
	NRAS	yes	no
Histology	Non-squam	current	<1%
	Smoking	never	stopped
	PD-L1	>50%	1-49%



(*) this patient developed pleural metastases during induction therapy and did not receive surgery. (†) from a 60+ oncogenic next-generation sequencing panel, only selected genes possibly associated with IO resistance are shown.



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AE'S IN 27 PATIENTS WHO UNDERWENT IO-THERAPY

	n (%)	Key irAE ^c	Any grade n (%)	Grade 1-2	Grade 3-4
Any TEAE	27 (100%)	Dermatitis	11 (41%)	9	2
• Grade 3-4	22 (81%)	Thyroid disorders	9 (33%)	9	0
• Serious adverse events	10 (37%)	Pneumonitis	3 (11%)	2	1
• Grade 5	1 ^a (4%)	Hepatitis	2 (7%)	0	2
Any TRAE	21 (78%)	Pancreatitis	1 (4%)	0	1
• Grade 3-4	18 (67%)	Allergic reaction	1 (4%)	1	0
• irAE Grade 3-4	5 (19%)				
• Grade 5	0 (0%)				
• Leading to IO discontinuation	2 (7%)				
• Leading to failure to surgery	0 (0%)				

Median follow-up: 14 (range 4-26) months^b

Grade 3-4 ITT: 56%

IO = immune oncology drugs; TEAE = treatment-emergent adverse events; TRAE = treatment-related adverse events; irAE = immune-related adverse events. (*) death from COVID-19 in 1 patient was not considered as treatment related; (†) from the first cycle of immunotherapy to data cut-off at 3-May-2022 (abstract deadline); (c) within the 90-days post-surgery timeframe.



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Bahce I, et al. ESMO 2022

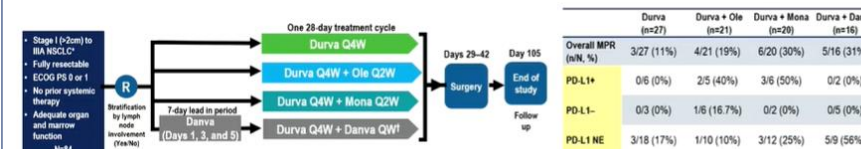
Platform study of neoadjuvant durvalumab (anti-PD-L1) alone or combined with oleclumab (anti-CD73), monalizumab (anti-NKG2A), or danvatirsen (anti-STAT3) in patients with resectable, early-stage non-small-cell lung cancer: pharmacodynamic correlates and ctDNA dynamics in the NeoCOAST study

Jonathan Spicer¹, Tina Cascone², Gozde Kar³, Ying Zheng⁴, Jorge Blando⁴, Tze Heng Tan⁵, Lin-Yang Cheng⁴, Ray Mager⁴, Oday Hamid⁴, Yee Soo-Hoo⁶, Patrick Forde⁷, Walter Weder⁸, Rosario Garcia-Campelo⁹, Italia Grenga¹⁰, Rakesh Kumar⁴, and Lara McGrath¹⁰

¹McGill University, Montreal, QC, Canada; ²The University of Texas MD Anderson Cancer Center, Houston, TX, USA; ³AstraZeneca, Cambridge, UK; ⁴AstraZeneca, Gaithersburg, MD, USA; ⁵AstraZeneca, Munich, Germany; ⁶AstraZeneca, Wilmington, DE, USA; ⁷Bloomsbury-Kimmel Institute for Cancer Immunotherapy, Sidney Kimmel Comprehensive Cancer Center, Johns Hopkins University, Baltimore, MD, USA; ⁸Thoracic surgery, Clinic Bethanien, Zurich, Switzerland; ⁹Medical Oncology Unit, University Hospital A Coruña, A Coruña, Spain; ¹⁰AstraZeneca, Waltham, MA, USA



NeoCOAST: Neoadjuvant durvalumab +/- novel agents in resectable, early-stage (I [>2cm] to IIIA) NSCLC



- Primary endpoint: MPR rate (proportion of patients with $\leq 10\%$ residual viable tumour cells in resected tumour specimen and sampled nodes at surgery) per investigator assessment.
- A single cycle of neoadjuvant durva combined with ole, mona, or danva produced numerically improved MPR rates (19–31.3%) compared with durva alone (11.1%).¹
- MPR was associated with baseline tumour PD-L1 expression in durva + ole and durva + mona arms.

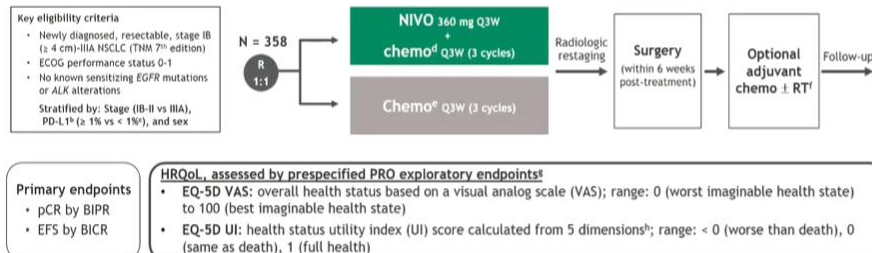
¹Per American Joint Committee on Cancer Staging, 8th edition. ²Danvatirsen arm was stopped early as the program was discontinued. ctDNA, circulating tumour DNA; ECOG, Eastern Cooperative Oncology Group; MPR, major pathological response; NE, not evaluable; NSCLC, non-small-cell lung cancer; PD-L1, programmed cell death ligand 1; PS, performance status; Q4W, once every 4 weeks; Q2W, once every 2 weeks; QW, every week; RECIST v1.1, Response Evaluation Criteria in Solid Tumors version 1.1; TMB, tumour mutational burden. 1. Cascone T, et al. AACR 2022 presentation C1011.

Summary and conclusions

- A single cycle of neoadjuvant durva combined with ole, mona, or danva produced numerically improved MPR rates (19–31.3%) compared with durva alone (11.1%).
- Pathological regressions were not associated with TMB.
- Molecular responses by ctDNA were observed in 25–60% of patients per arm after treatment, and 75–100% of patients post-surgery, including those without an MPR.
- Pharmacodynamic responses by intratumoural mRNA show greater increases in immune activation genes with durva + ole and durva + mona than with durva alone.
- Further translational analyses of durva combined with ole or mona will be carried out as part of NeoCOAST-2 (NCT05061550), a Phase 2 study of neoadjuvant durva combined with chemotherapy and either ole or mona, followed by surgery and adjuvant durva plus ole or mona, in patients with resectable, Stage IIA–IIIA NSCLC.¹

CheckMate 816^a study design and HRQoL assessments

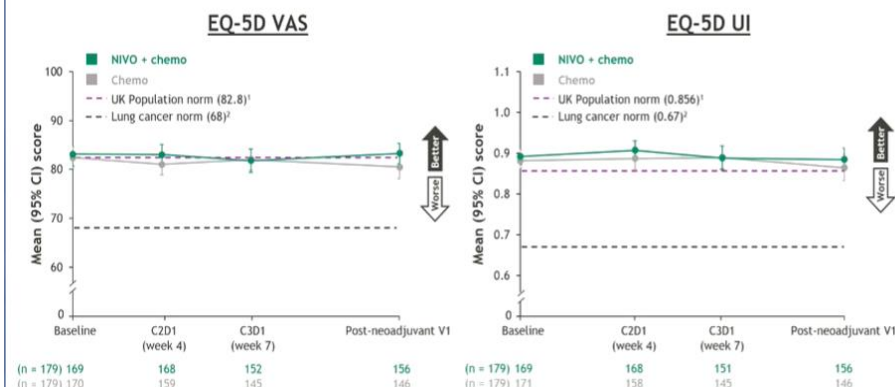
- In CheckMate 816, neoadjuvant NIVO + chemo significantly improved the primary endpoints of EFS and pCR vs chemo alone in patients with resectable NSCLC¹
- NIVO + chemo is approved in the United States and other countries as a neoadjuvant treatment for adult patients with resectable NSCLC (tumors ≥ 4 cm or node positive)²



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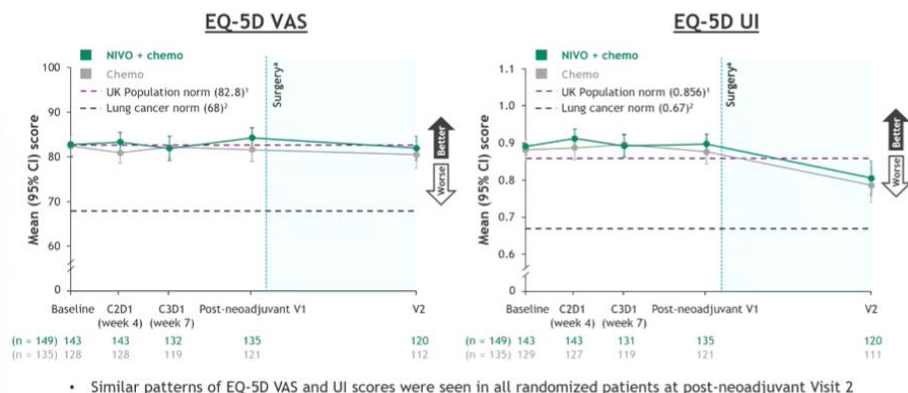
From The New England Journal of Medicine, Forde PM et al. Neoadjuvant nivolumab plus chemotherapy in resectable lung cancer. Copyright © 2022 Massachusetts Medical Society. Adapted with permission from Massachusetts Medical Society.
^aCT0298526. ^bDetermined by the PD-L1 IHC 28-8 pharmDx assay (Dako). ^cIncluded patients with PD-L1 expression status not evaluable and indeterminate. ^dNSQ: pemetrexed + cisplatin or paclitaxel + carboplatin; SQ: gemcitabine + cisplatin or paclitaxel + carboplatin. ^eVinorelbine + cisplatin, docetaxel + cisplatin, gemcitabine + cisplatin (SQ only), pemetrexed + cisplatin (PDQ only), or paclitaxel + carboplatin. ^fPer healthcare professional choice. ^gEvaluated by the 3-level version of the EQ-5D questionnaire. ^hMobility, self-care, usual activities, pain/discomfort, and anxiety/depression. ⁱForde PM, et al. N Engl J Med. 2022;386:1973-85. ^jOPDIV02 (nivolumab) [package insert]. Princeton, NJ: Bristol Myers Squibb; March 2022.

EQ-5D VAS and UI scores during the neoadjuvant period: all randomized patients



VAS, visual analog scale; UI, utility index. EQ-5D VAS ranges from 0 to 100, with higher scores indicating better functioning. EQ-5D UI UK ranges from -0.594 to 1, with higher scores indicating better functioning. 1. Scende A, et al. Self-Reported Population Health: An International Perspective based on EQ-5D. Dordrecht, The Netherlands: Springer; 2014. 2. Pickard AS, et al. Health Qual Life Outcomes 2007;5:70.

EQ-5D VAS and UI scores during the neoadjuvant period and post-surgery: patients who received surgery



VAS, visual analog scale; UI, utility index. ^aMedian (IQR) time from last neoadjuvant dose to definitive surgery was 5.3 (4.6-6.0) weeks with NIVO + chemo and 5.0 (4.6-5.9) weeks with chemo for all patients with definitive surgery. EQ-5D VAS ranges from 0 to 100, with higher scores indicating better functioning. EQ-5D UI UK ranges from -0.594 to 1, with higher scores indicating better functioning. 1. Scende A, et al. Self-Reported Population Health: An International Perspective based on EQ-5D. Dordrecht, The Netherlands: Springer; 2014. 2. Pickard AS, et al. Health Qual Life Outcomes 2007;5:70.

Summary

- In CheckMate 816, HRQoL as measured by EQ-5D was preserved from baseline during the neoadjuvant treatment period with neoadjuvant NIVO + chemo, similar to chemo alone, in patients with resectable NSCLC
- Among patients who received surgery, NIVO + chemo did not impact post-operative PROs in comparison with chemo only
 - Similar postoperative declines in EQ-5D VAS and UI scores were observed (approximately 2 months after surgery) in both treatment arms
 - This decrease is consistent with previous reports of HRQoL impacts following surgical resection¹⁻³
 - Continued follow-up is required to assess post-operative recovery of HRQoL
- No notable differences were seen in EQ-5D VAS and UI scores between treatment arms across patient subgroups
- These patient-reported HRQoL results, along with previously reported efficacy and safety data, support the use of NIVO + chemo as neoadjuvant treatment for resectable NSCLC

VAS, visual analog scale; UI, utility index. 1. Balduyck B, et al. Lung Cancer 2007;56:423-431; 2. Ichimura H, et al. Thoracic Cancer 2021;12:835-844; 3. Pughosyan H, et al. Lung Cancer 2013;81:11-26.

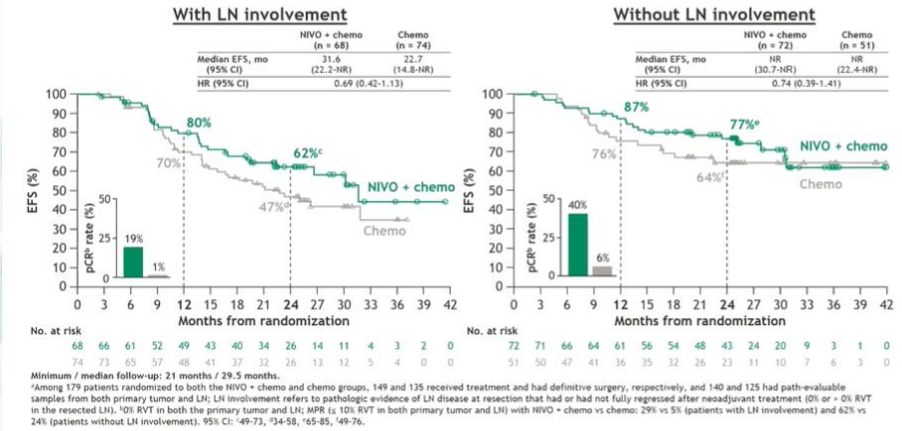
Analysis of pathological features and efficacy outcomes with neoadjuvant nivolumab plus platinum-doublet chemotherapy for resectable non-small cell lung cancer in CheckMate 816

Julie Stein Deutsch,¹ Ashley Cimino-Mathews,¹ Elizabeth D. Thompson,¹ Daphne Wang,¹ Robert A. Anders,¹ Edward Gabrielson,¹ Peter Illei,¹ Jaroslav Jedrych,¹ Ludmila Danilova,¹ Jonathan D. Spicer,² Mariano Provencio,³ Patrick M. Forde,¹ Dimple Pandya,⁴ Mia Tran,⁴ Joseph Fiore,⁴ Vipul Devas,⁴ Tricia R. Cottrell,¹ Alex S. Baras,¹ Janis M. Taube¹

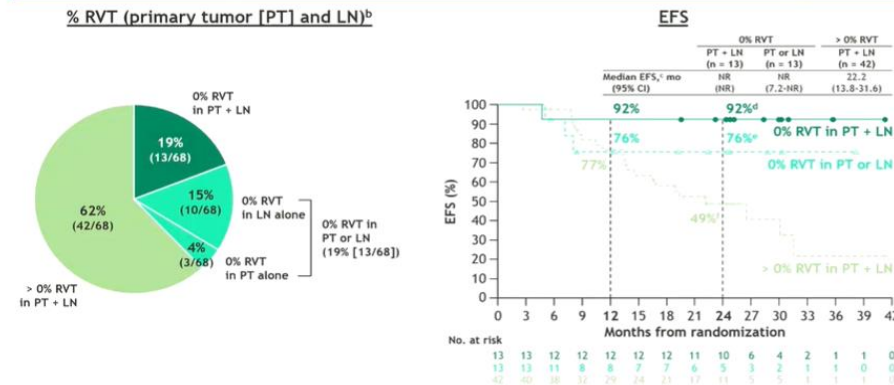
¹Johns Hopkins University SOM, Baltimore, Maryland, USA; ²McGill University Health Centre, Montreal, Quebec, Canada; ³Hospital Universitario Puerta de Hierro, Madrid, Spain; ⁴Bristol Myers Squibb, Princeton, New Jersey, USA

Presentation number LBA50

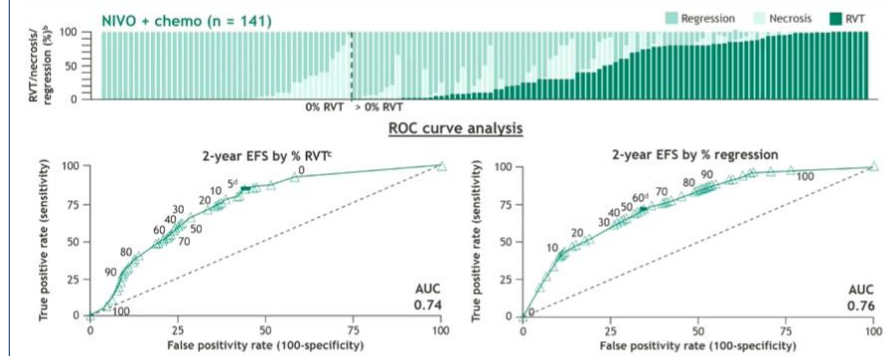
Efficacy in patients with or without pathologic evidence of LN involvement^a



EFS by % RVT in patients with LN involvement^a: NIVO + chemo



Association of % RVT and % regression in the primary tumor with EFS^a



^aIn patients who underwent surgery and had path-evaluable primary tumor samples. ^bIn individual patients. ^cAdapted with permission from Provencio-Pulla M, et al. Poster presentation at the ASCO Annual Meeting: June 3-7, 2022; Chicago, IL & online. Abstract LBA8511. ^dThe solid square is the optimal cutoff, which is the difference between the true positive rate and false positive rate over all possible cutoff values. ^eLN involvement refers to pathologic evidence of LN disease at resection that had or had not fully regressed after neoadjuvant treatment (0% or > 0% RVT in the resected LN).

CÁNCER MICROCÍTICO DE PULMÓN



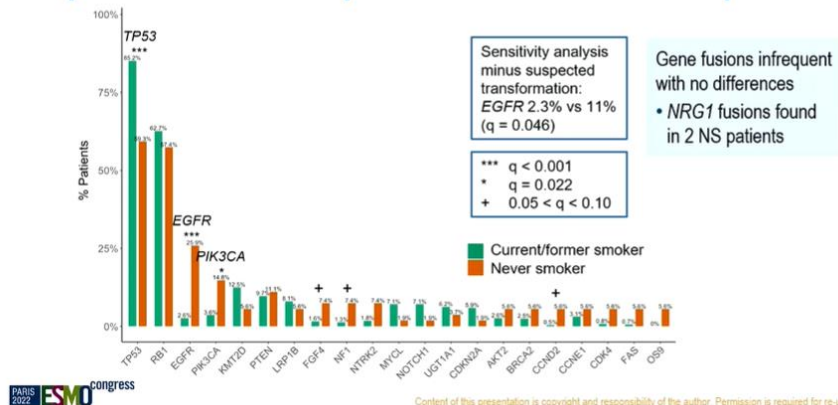
The genomic landscape of small cell lung cancer in never smoking patients

Michael S Oh¹, Alex Barrett², Arya Ashok², Elizabeth Mauer², Edward B Garon¹, Aaron E Lisberg¹, Amy L Cummings¹, Jonathan W Goldman¹

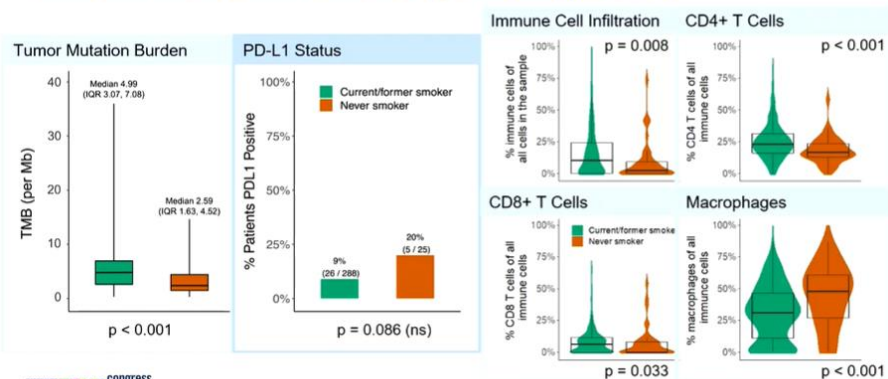
¹Department of Hematology and Oncology, University of California Los Angeles, Los Angeles CA, USA
²Tempus Labs, Inc, Chicago IL, USA



NS patients exhibit unique somatic variant landscape



Immune microenvironment by smoking status

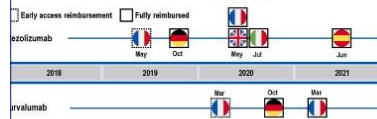


Conclusions

- Mutational landscape of SCLC differs based on smoking status
- Tumors of NS more likely to harbor variants in *EGFR* and *PIK3CA*
- Potential differences seen in the immune microenvironment
- Future need to explore possible treatment implications

¹Medical Oncology Department, Hospital Clinic, IDIBAPS, Barcelona, Spain; ²Amgen Ltd, Uxbridge, UK; ³Amgen (Europe) GmbH, Rotkreuz, Switzerland; ⁴Department of Medicine II, Hematology/Oncology, University Hospital Frankfurt, Frankfurt, Germany. *Affiliation at the time the research was conducted

CONCLUSIONS



*Excludes number of patients on treatment (Doxorubicin-based + docetaxel plus known as adjuvant) + vinorelbine, ES-S/C, extensive-stage small cell lung cancer.

- Noemi Reguart has received honoraria for speaker / advisory board AstraZeneca, Bayer, BMS, Boehringer, Guardant, Janssen, MSD, Sanofi and Takeda
- Stephen Puritis and Katarina Öhrling are employed by and hold shares in AstraZeneca
- Alli Abbasi reports contract work with Amgen
- Kerly S. Louie is a former employee of and holds stocks in Amgen and holds stock options / shares in BioMarin Pharmaceutical Inc.
- Martin Sebastian has received grants from AstraZeneca, personal AstraZeneca, BioNTech, BMS, Boehringer Ingelheim, CureVac, Serocon, MSD, Novartis, Pfizer, Roche, Sanofi-Aventis and Takeda support from BMS, Pfizer and Takeda

CONCLUSIONES



- Se confirman los resultados del ADAURA a 4 años. No datos de SG.
- El beneficio de pembrolizumab en el escenario adyuvante es independiente de la expresión de PD-L1.
- Papel de la combinación de inmunoterapia y quimioterapia en el escenario neoadyuvante.
- Posible relación entre ctDNA en CPNCP EGFR M+ resecado y SLE.
- Extrapolación de los datos de inmunoterapia + quimioterapia en CPCP al mundo real.



GRACIAS

✉ sergio.vazquez.estevez@sergas.es

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