



Novedades y Claves en Cáncer de Pulmón 2022

Enfermedad localizada y localmente avanzada

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Con la colaboración de:



Organizado por:



Disclosures

Advisory role & education: Takeda, AstraZeneca, PharmaMar, Roche, Merck, Pfizer, BMS

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Research funding: Merck Serono, Roche

Organizado por:



CONTENIDO

A) Enfermedad localizada

B) Enfermedad localmente avanzada: potencialmente
resecable e irresecable

C) Biomarcadores

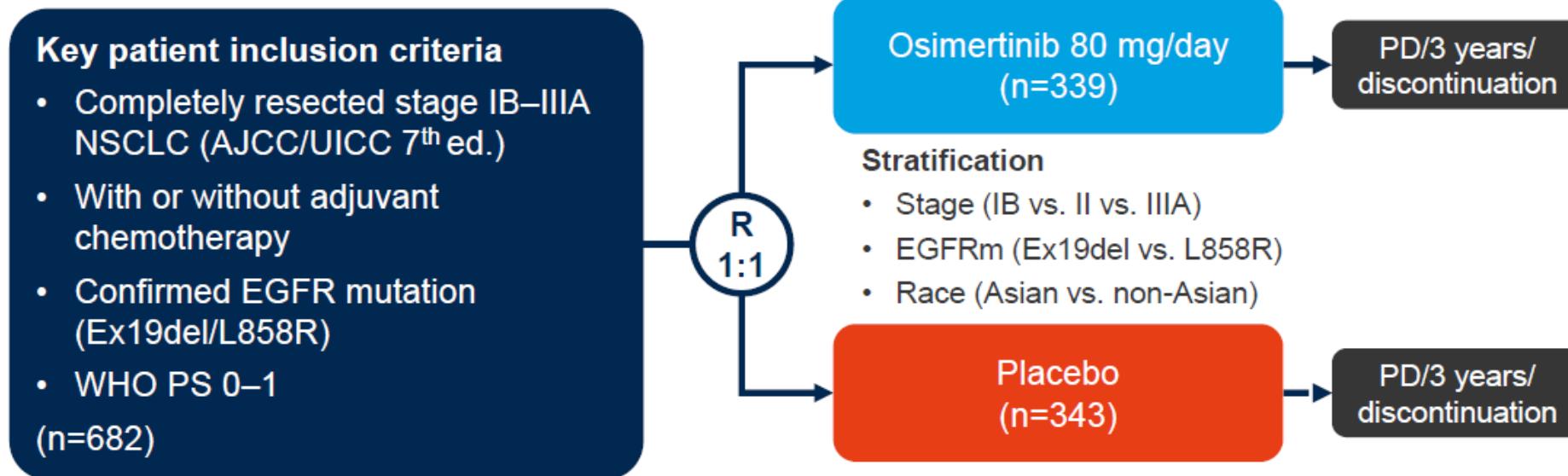
Organizado por:



LBA47: Osimertinib as adjuvant therapy in patients with resected EGFR-mutated stage IB-IIIA non-small cell lung cancer: updated results from ADAURA

- Study objective

- To evaluate the updated efficacy and safety of adjuvant osimertinib in patients with resected EGFR-mutated NSCLC in the ADAURA study



Primary endpoint

- DFS (in stage II/IIIA)

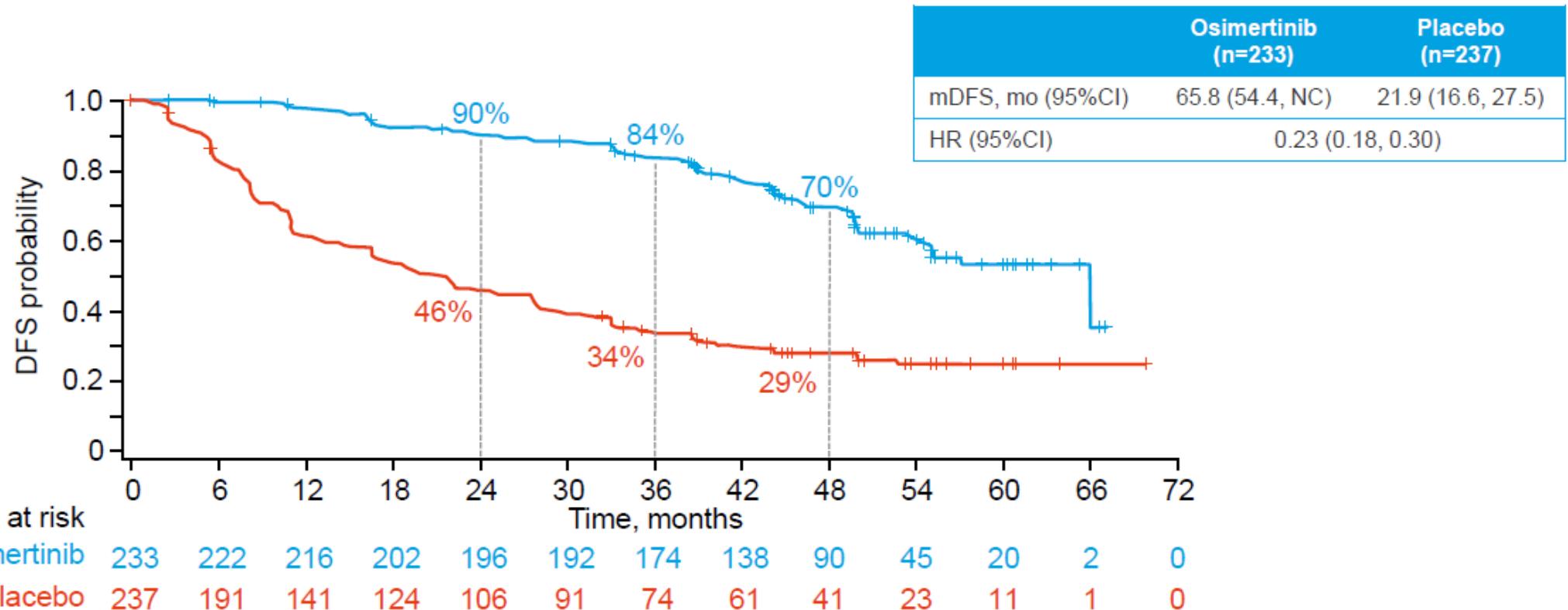
Secondary endpoints

- DFS (overall population^a), OS, HRQoL, safety

Organizado por:

Key results

Disease-free survival in stage II/IIIA patients



- In the overall population, mDFS was 65.8 mo (95%CI 61.7, NC) and 28.1 mo (95%CI 22.1, 35.0) in the osimertinib and placebo arms, respectively (HR 0.27 [95%CI 0.21, 0.34])

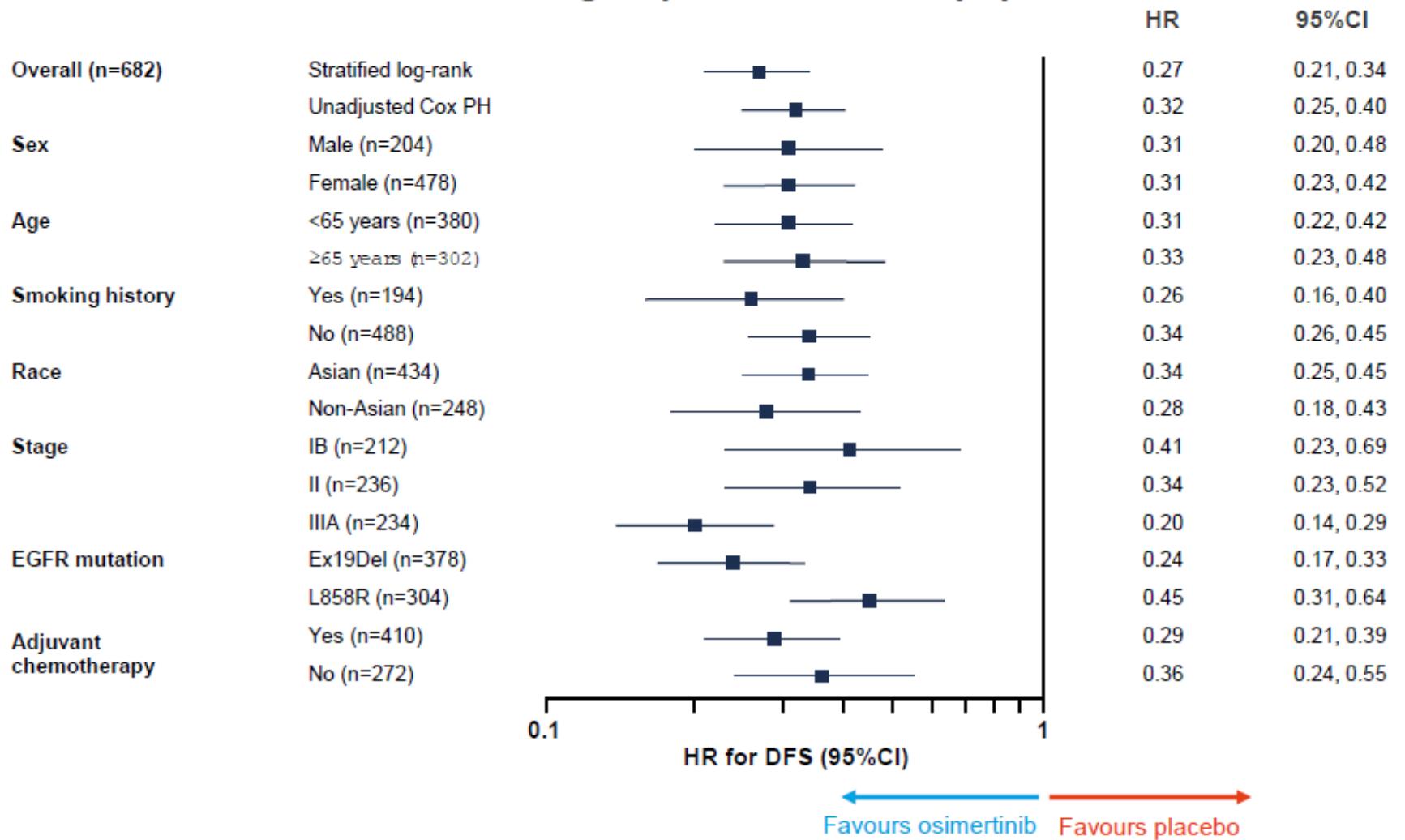
Tsuboi M, et al. Ann Oncol 2022;33(suppl):Abstr LBA47
Organized by:



EUROPEAN MEDICINES AGENCY
SCIENCE MEDICINES HEALTH



DFS across subgroups in the overall population



Tsuboi M, et al. Ann Oncol 2022;33(suppl):Abstr LBA47 ;

PL03.09: IMpower010: Overall Survival Interim Analysis of a Phase III study of Atezolizumab vs Best Supportive Care in resected NSCLC

- Study objective

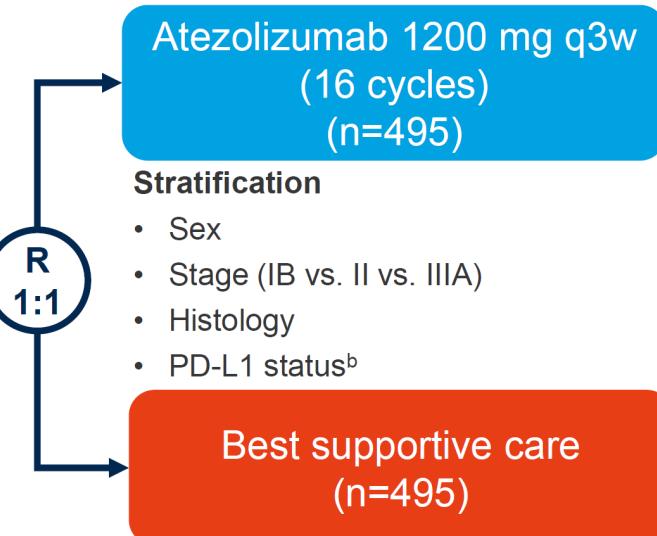
- To evaluate the efficacy and safety of atezolizumab in patients with resected NSCLC in the IMpower010 study (an interim analysis)

Key patient inclusion criteria

- Stage IB (≥ 4 cm)–IIIA NSCLC^a
- Completely resected
- ECOG PS 0–1

(n=1280)

Cisplatin + pemetrexed, docetaxel, gemcitabine or vinorelbine (1–4 cycles)

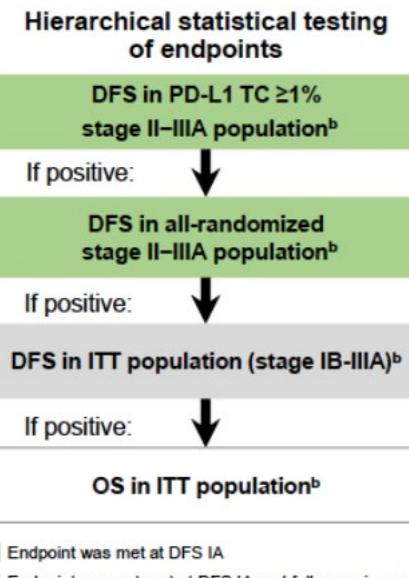


Primary endpoint

- DFS

Secondary endpoints

- OS, safety



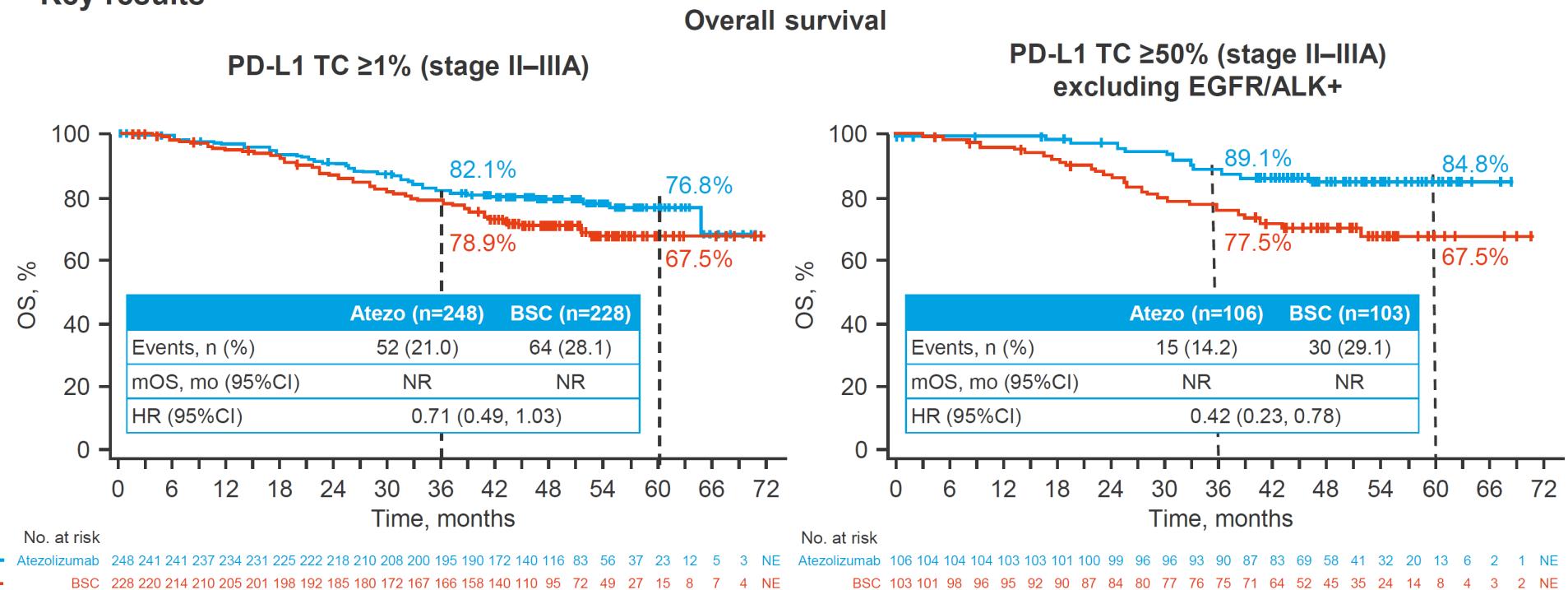
^aPer American Joint Committee on Cancer (AJCC) cancer staging manual, 7th edition;

^bTC2/3 and any IC vs. TC0/1 and IC2/3 vs. TC0/1 and IC0/1

Felip E, et al. J Thorac Oncol 2022;17(suppl):Abstr PL03.09

Organizado por:

- Key results



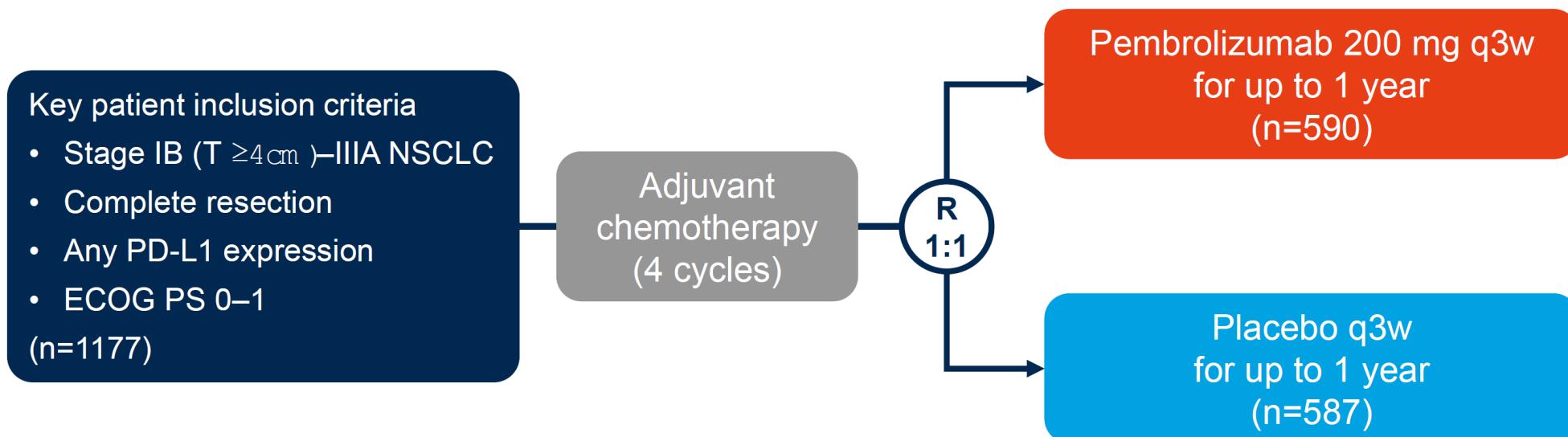
Felip E, et al. J Thorac Oncol 2022;17(suppl):Abstr PL03.09

In patients with resected stage II–IIIA NSCLC with PD-L1 TC $\geq 1\%$, at an interim analysis, atezolizumab demonstrated a trend for improved OS and there were no new safety signals observed



930MO: Pembrolizumab vs placebo in completely resected stage IB-IIIA NSCLC: subgroup analysis according to PD-L1 of PEARLS/KEYNOTE091

- Study objective
 - To evaluate the efficacy and safety of adjuvant pembrolizumab in patients with completely resected early stage NSCLC in the PEARLS/KEYNOTE-091 study



Primary endpoint

- DFS (overall population), DFS (PD-L1 TPS $\geq 50\%$)

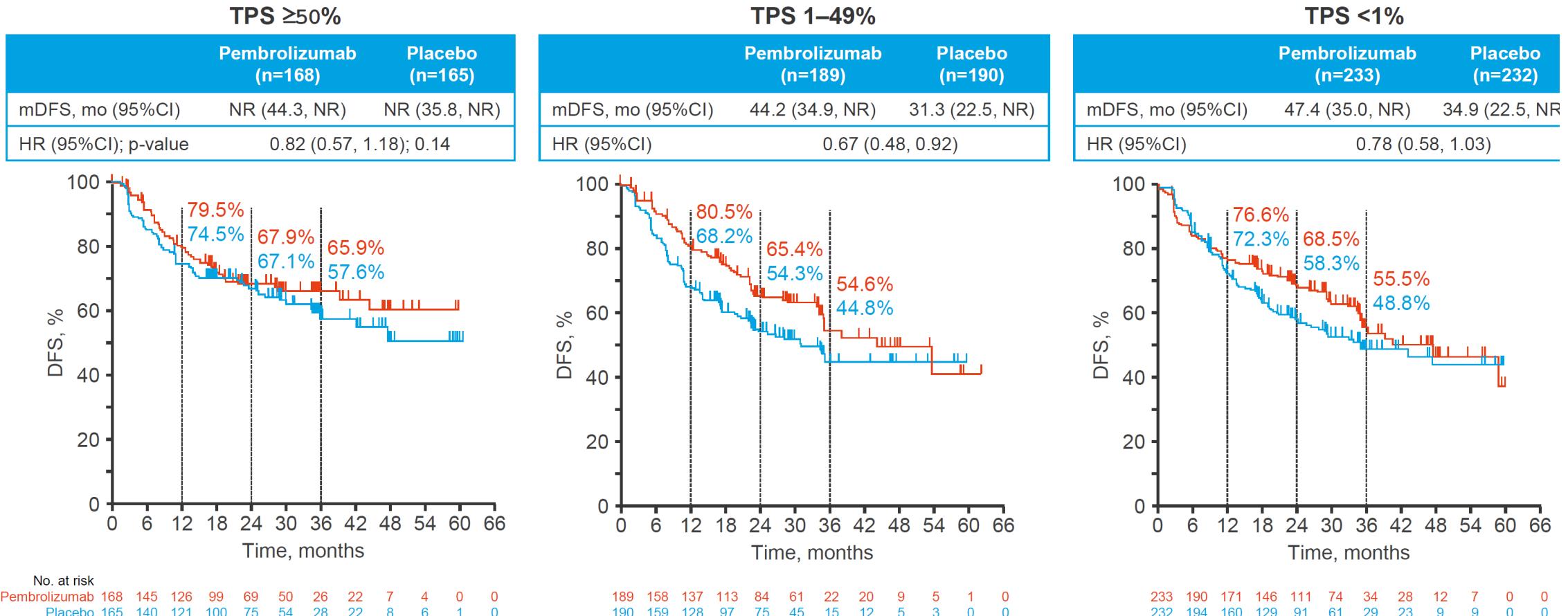
Secondary endpoints

- DFS (PD-L1 TPS $\geq 1\%$), OS, safety

Organizado por:

- Key results

DFS: Pembrolizumab vs. placebo by PD-L1 TPS

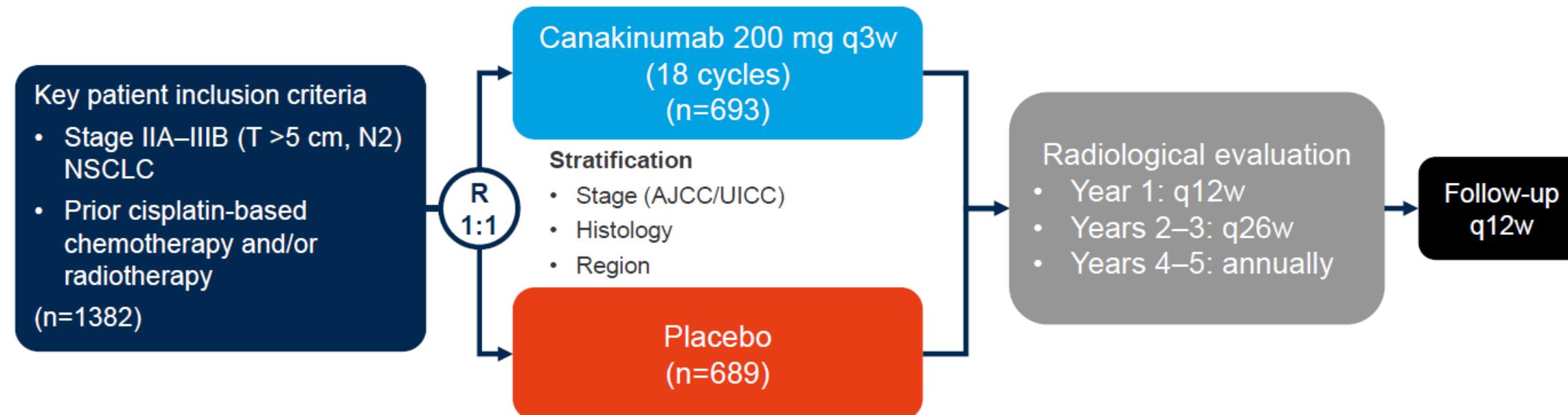


Peters S, et al. Ann Oncol 2022;33(suppl):Abstr 930MO organizado por:

In patients with completely resected early stage NSCLC, pembrolizumab demonstrated benefit in DFS in overall population- but not in all PD-L1 expression subgroups. Safety profile was similar across the subgroups

LBA49: CANOPY-A: Phase 3 study of canakinumab as adjuvant therapy in patients with completely resected non-small cell lung cancer

- Study objective
 - To evaluate the efficacy and safety of canakinumab in patients with completely resected NSCLC in the CANOPY-A study



Primary endpoint

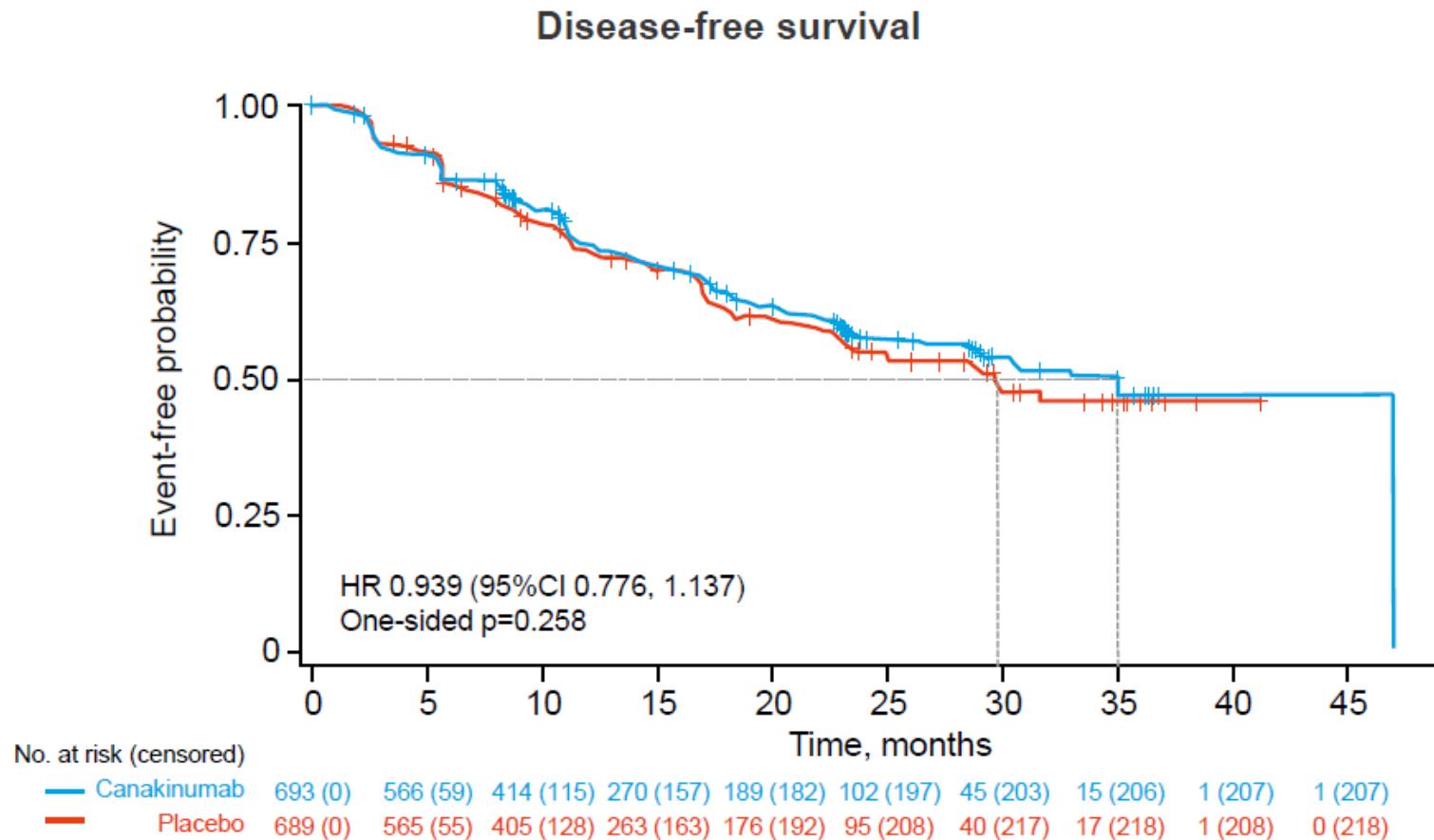
- DFS

Secondary endpoints

- OS, LCSS, safety

Organizado por:

- Key results



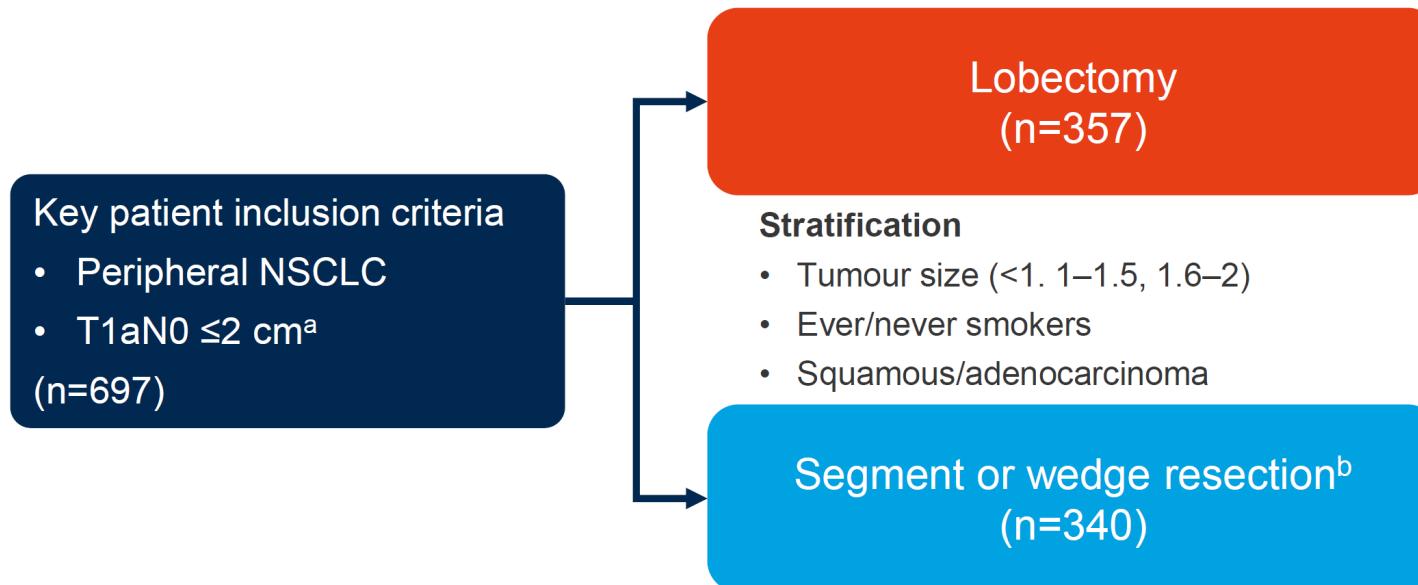
Garon EB, et al. Ann Oncol 2022;33(suppl):Abstr LBA49

Organizado por:

PL 03.06: Lobar or sub-lobar resection for peripheral clinical stage IA=2cm in NSCLC. CALGB 140503 [Alliance]

- Study objective

- To evaluate the efficacy of lobar or sub-lober resection in patients with peripheral clinical stage IA ≤2 cm NSCLC in the CALGB 140503 study



Primary endpoint

- DFS

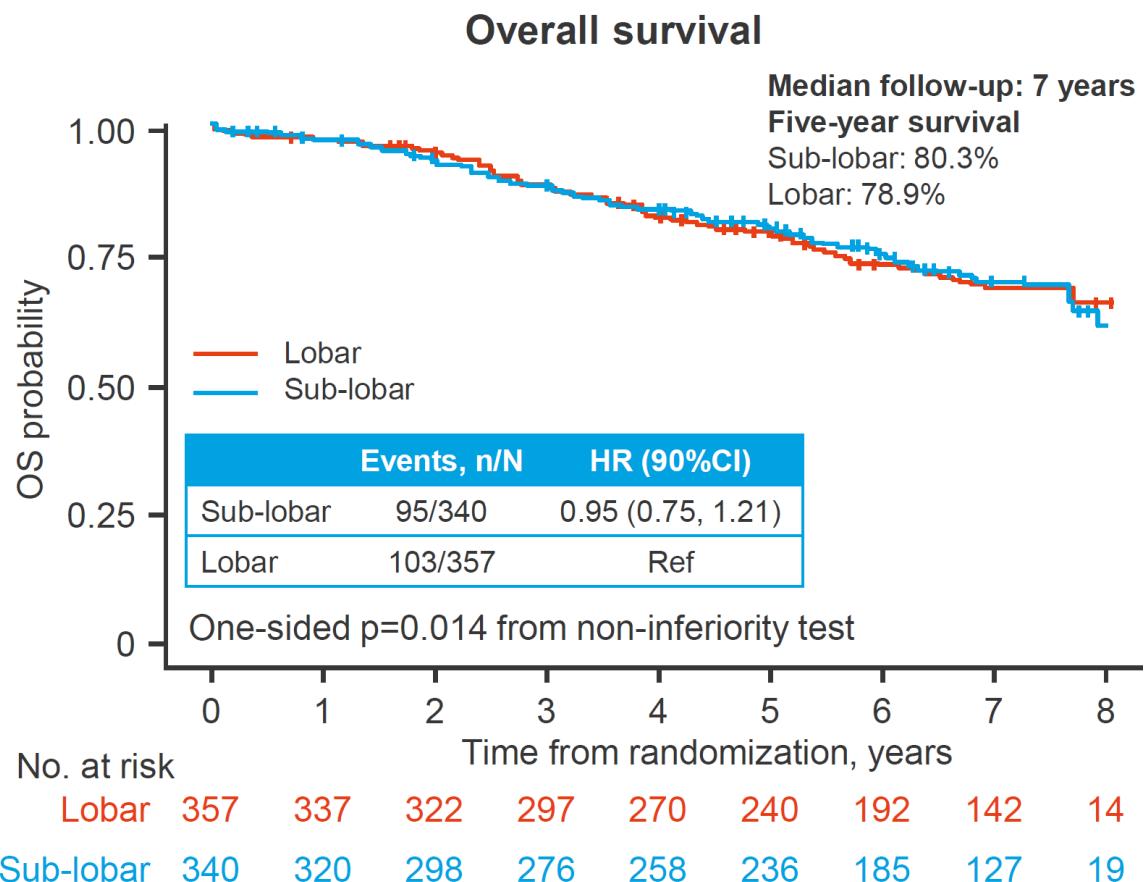
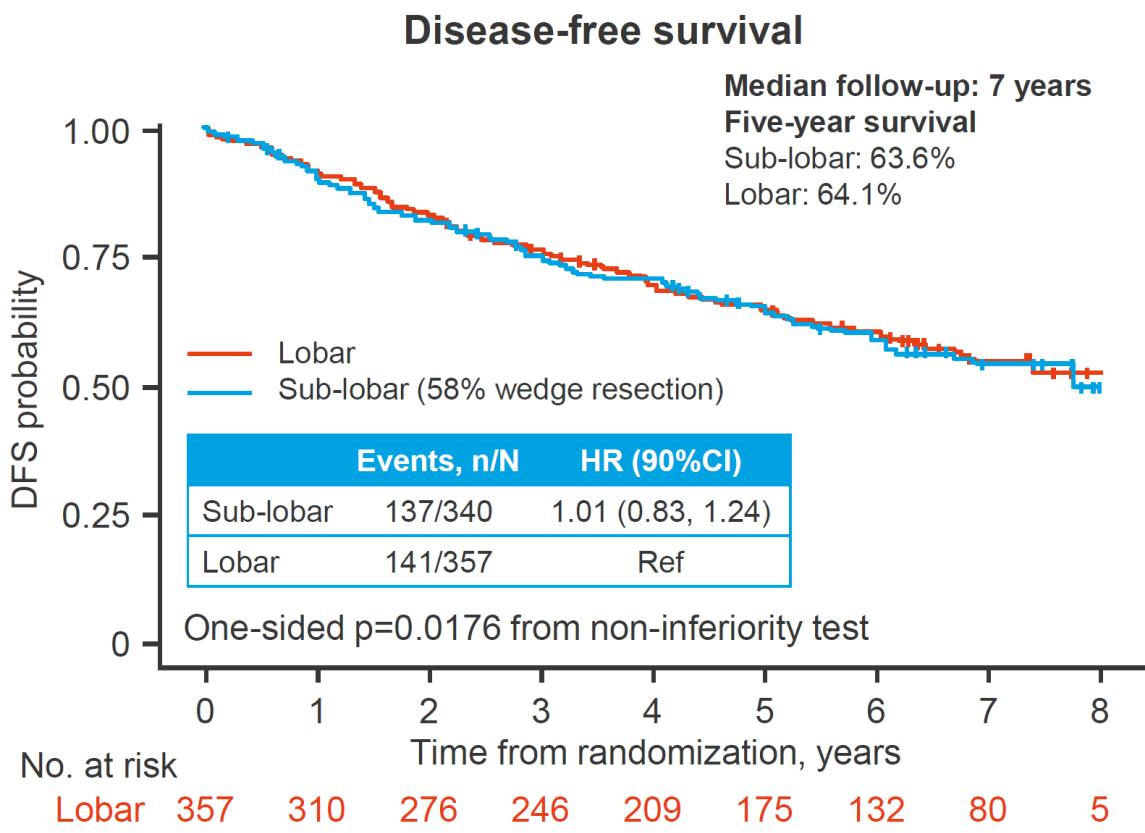
Secondary endpoints

- OS, PFS, recurrence

^aMediastinal nodal staging was mandatory to confirm lymph nodes status;

^bdepending on investigator's choice

- Key results



Altorki NK, et al. J Thorac Oncol 2022;17(suppl):Abstr PL03.06

In patients with peripheral clinical stage IA ≤ 2 cm NSCLC, sub-lobar resection was not inferior to lobectomy in terms of survival (DFS and OS) and had similar rates of recurrence

Organizado por:

A) Enfermedad localizada

B) Enfermedad localmente avanzada: potencialmente resecable e irresecable

C) Biomarcadores

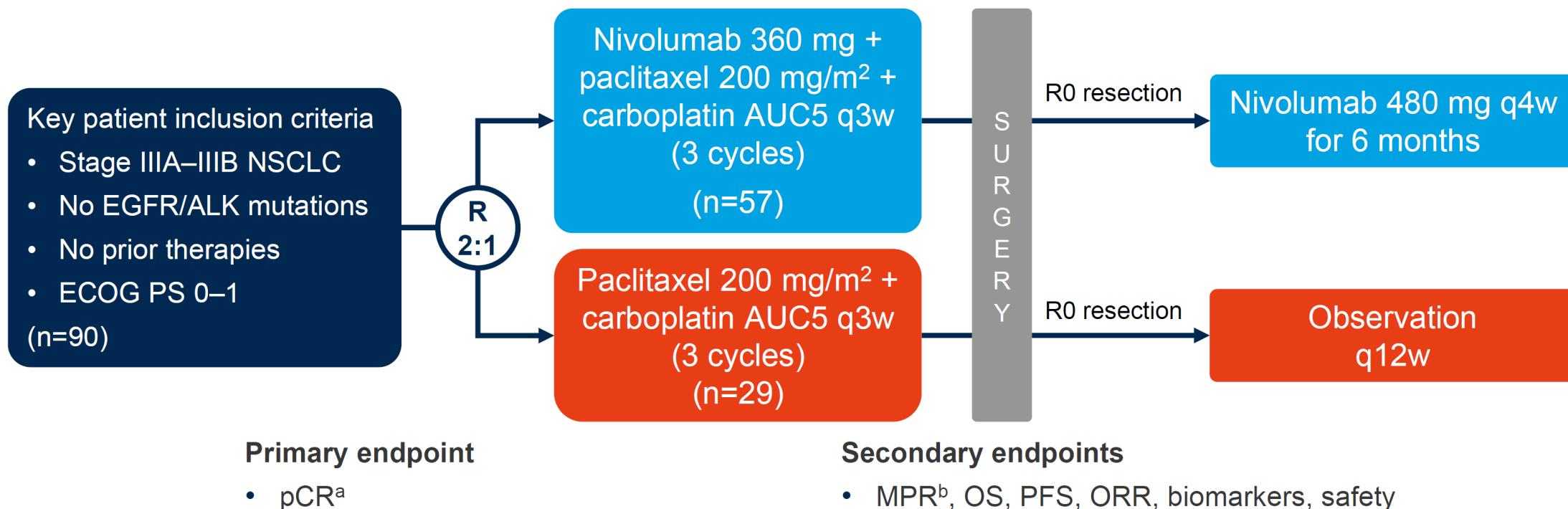
Organizado por:



8501: Phase 2 NADIM II trial: Nivolumab + ChT vs ChT as neoadjuvant treatment for resectable stage IIIA-B NSCLC: pathological complete response (pCR)

- Study objective

- To evaluate the efficacy and safety of neoadjuvant nivolumab + chemotherapy in patients with resectable stage IIIA–IIIB NSCLC in the phase 2 NADIM II trial



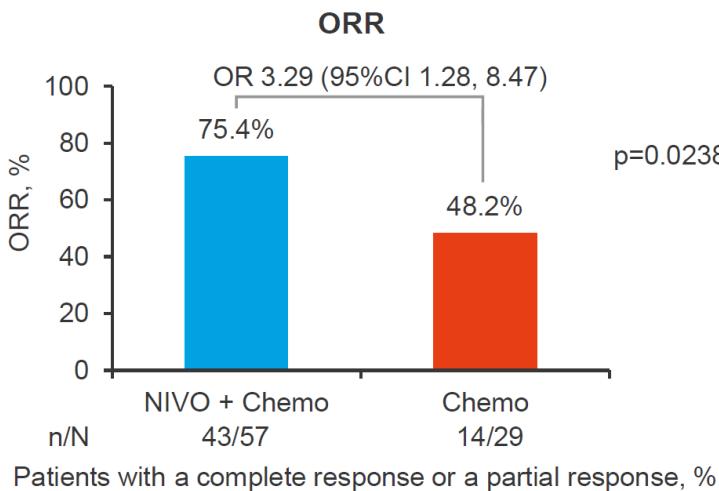
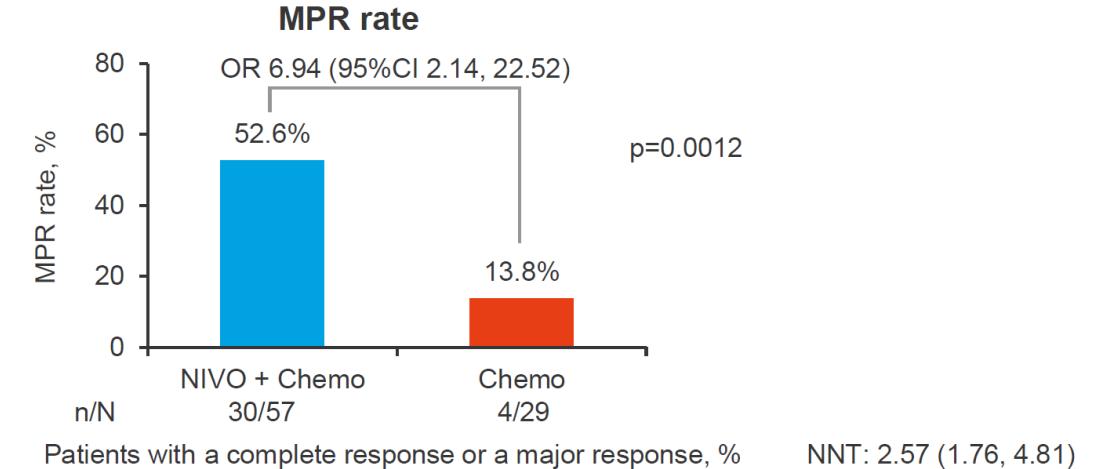
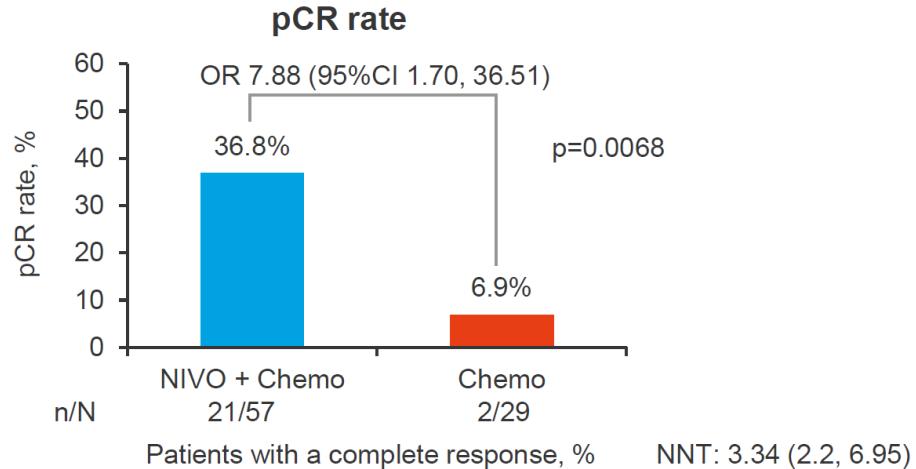
^aDefined as 0% viable tumor cells in resected lung and lymph nodes;

^bdefined as ≤10% residual viable tumor cells in resected lung and lymph nodes

Provencio-Pulla M, et al. J Clin Oncol 2022;40(suppl):Abstr 8501

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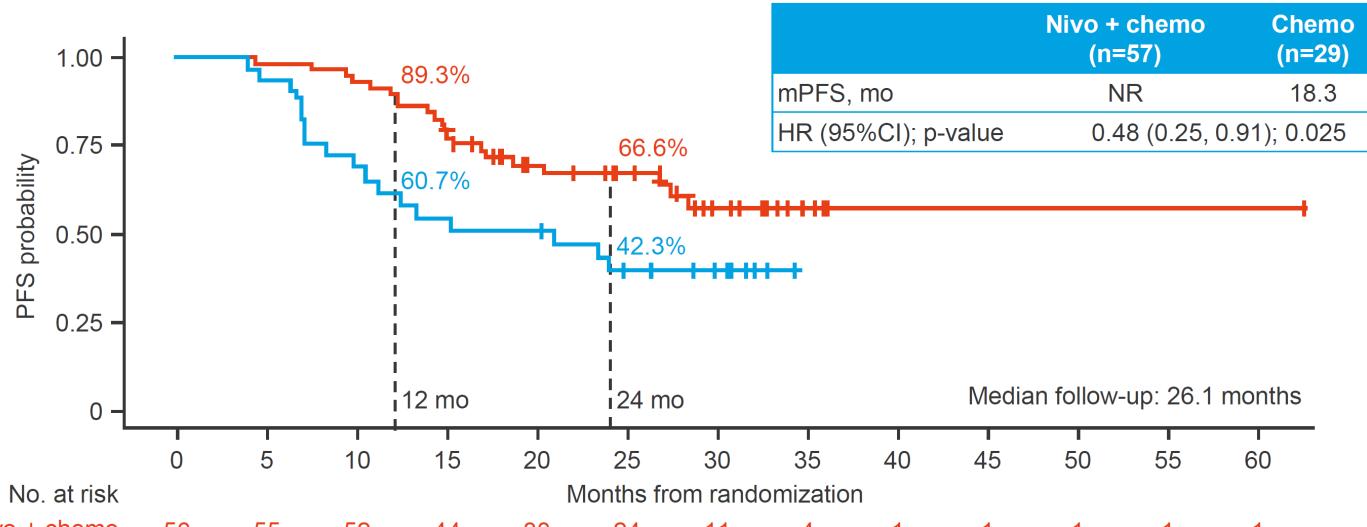
- Key results



pCR: pathological complete response
MPR: Major pathologic response

Provencio-Pulla M, et al. J Clin Oncol 2022;40(suppl):Abstr 8501

Progression-free survival (ITT)

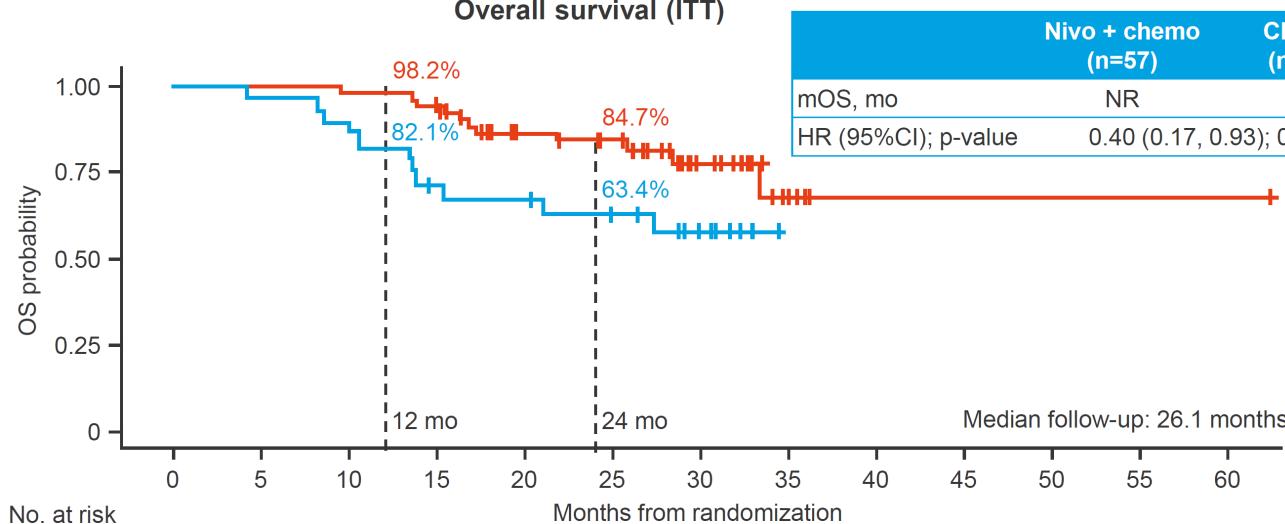


Nivo + chemo (n=57)
Chemo (n=29)

mPFS, mo
HR (95%CI); p-value

NR
0.48 (0.25, 0.91); 0.025

Overall survival (ITT)



Nivo + chemo (n=57)
Chemo (n=29)

mOS, mo
HR (95%CI); p-value

NR
0.40 (0.17, 0.93); 0.034

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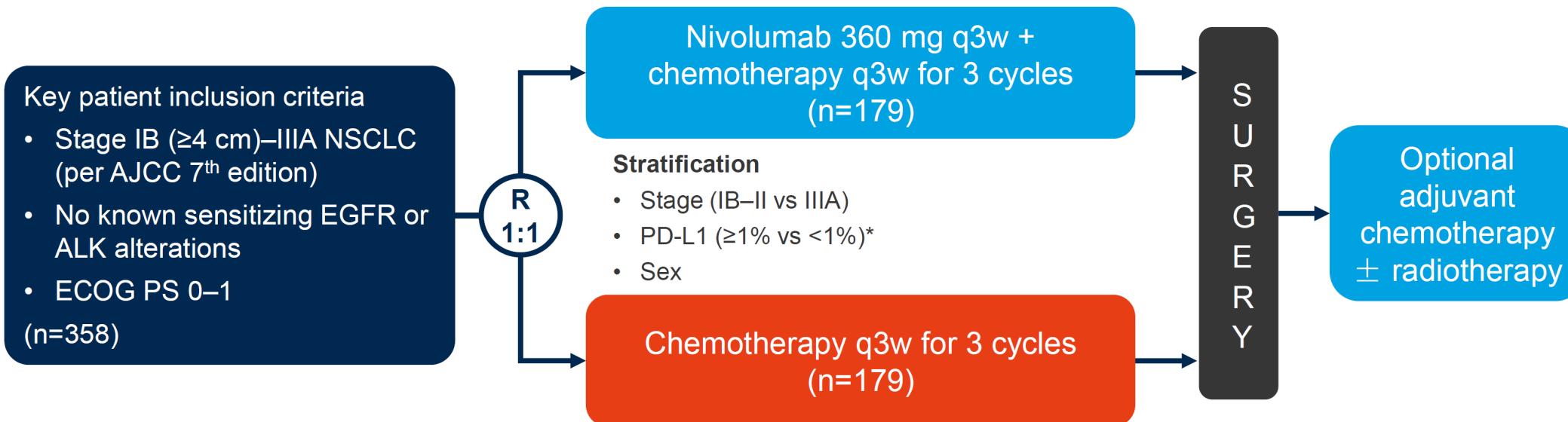
Surgical outcomes	Nivo + chemo (n=57)	Chemotherapy (n=29)
R0, n (%)	49 (92.5)	13 (65.0)
OR (95%CI); p-value	6.60 (1.67, 26.02); 0.007	
Definitive surgery ^a , %	93.0	69.0
OR (95%CI); p-value	5.96 (1.65, 21.56); 0.008	
Downstaging, n (%)		
Yes	37 (69.8)	8 (40.0)
No	16 (30.2)	12 (60.0)
Downstaging rate, %	69.8	40.0
OR (95%CI); p-value	3.47 (1.19, 10.1); 0.04	

In patients with potentially resectable stage IIIA-B NSCLC, neoadjuvant nivolumab + ChT provided promising antitumor activity, survival, and showed a manageable safety profile.

Organizado por:

LBA8511: CheckMate 816: Neoadjuvant nivolumab + platinum doublet chemo vs chemo for resectable (IB-IIIA) NSCLC: Pathological response and event-free survival

- Study objective
 - To evaluate the association between pathological regression and EFS for neoadjuvant nivolumab + platinum-doublet chemotherapy in patients with resectable stage IB–IIIA NSCLC in the CheckMate 816 trial



Primary endpoints

- pCR (0% viable tumor cells in lung and lymph nodes), EFS (BICR)

Secondary endpoints

- MPR, OS, time to death or distant metastases, safety

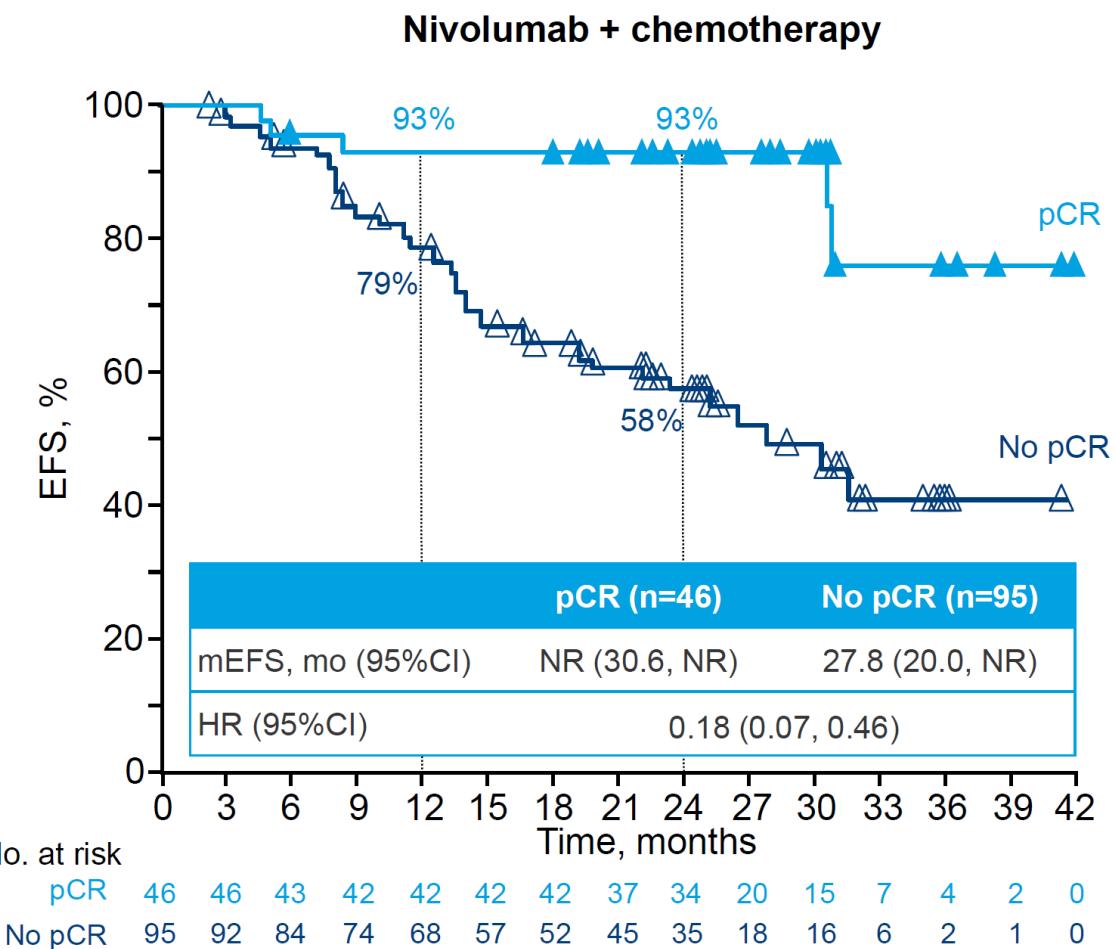
*Determined by the PD-L1 28-8 pharmDx assay

Provencio-Pulla M, et al. J Clin Oncol 2022;40(suppl):Abstr LBA8511

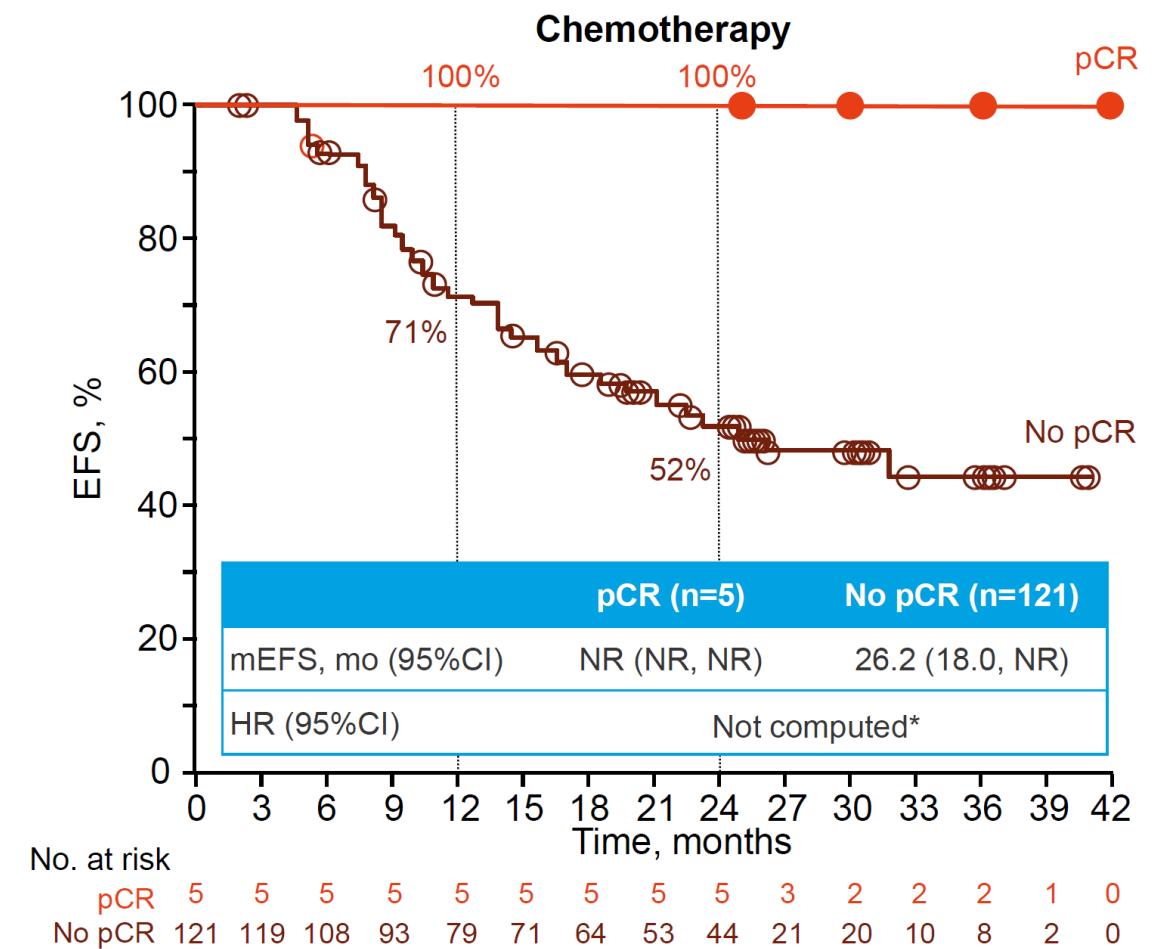
Organizado por:

- Key results

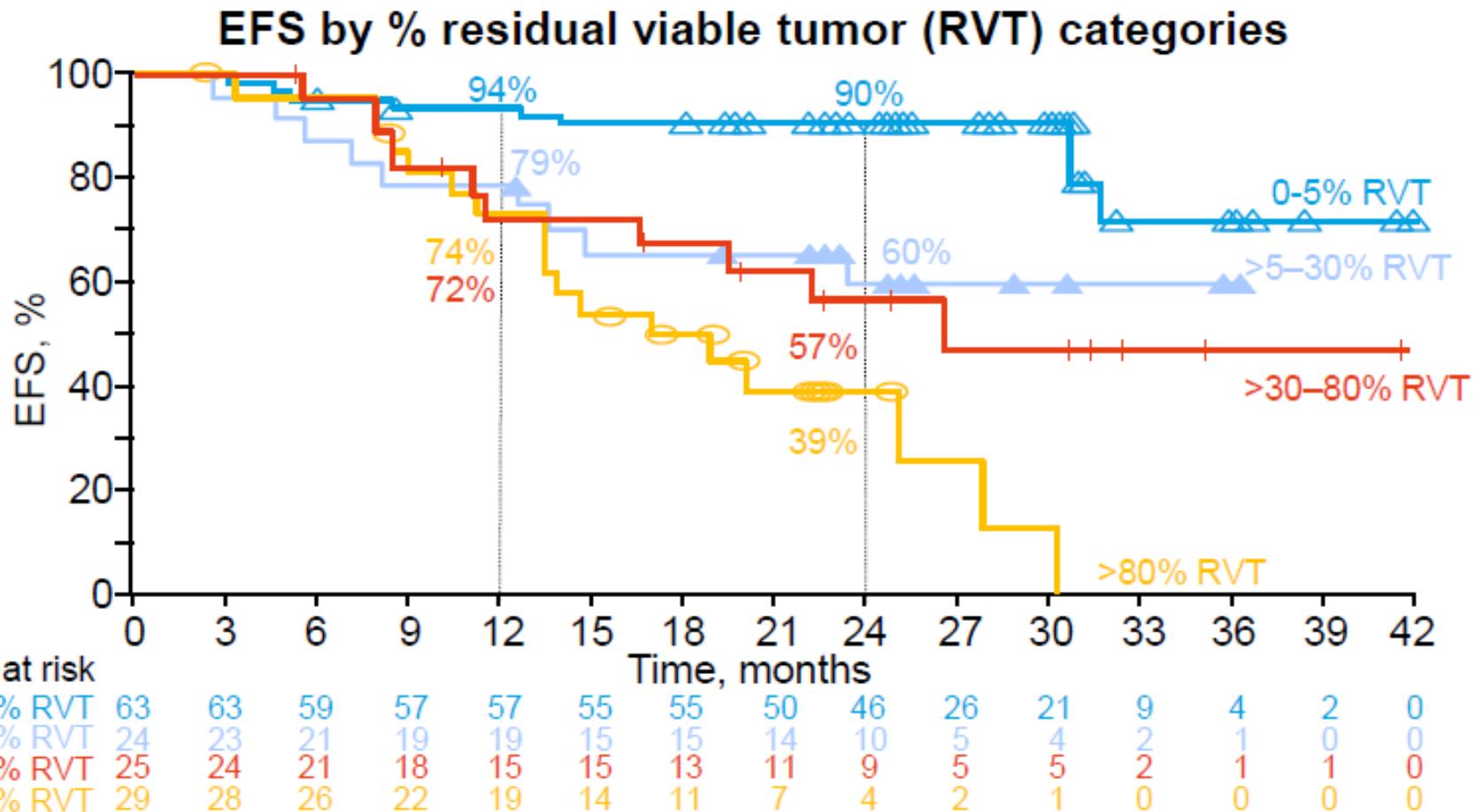
Event-free survival by pCR status



*Too few patients with pCR



Provencio-Pulla M, et al. J Clin Oncol 2022;40(suppl):Abstr LBA8511
Organizado por:



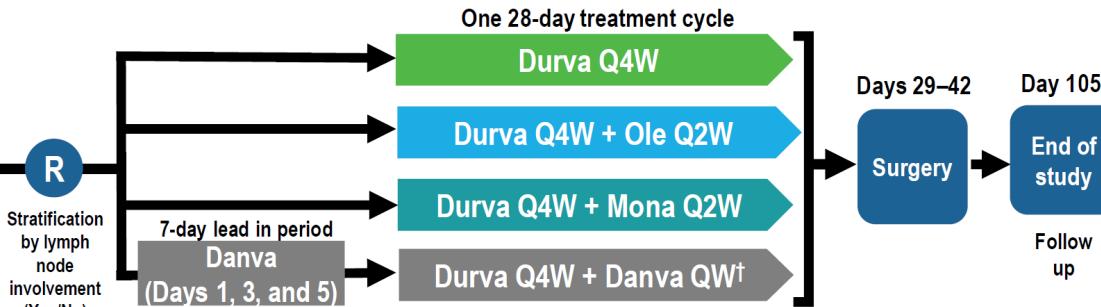
RVT	mEFS, mo (95% CI)
0.5%	NR (31.6, NR)
>5-30%	NR (13.6, NR)
>30-80%	26.6 (11.6, NR)
>80%	18.9 (13.4, 27.8)

RVT: Residual Viable Tumor

Organizado por:

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

- Stage I (>2 cm) to IIIA NSCLC*
 - Fully resectable
 - ECOG PS 0 or 1
 - No prior systemic therapy
 - Adequate organ and marrow function
- N=84

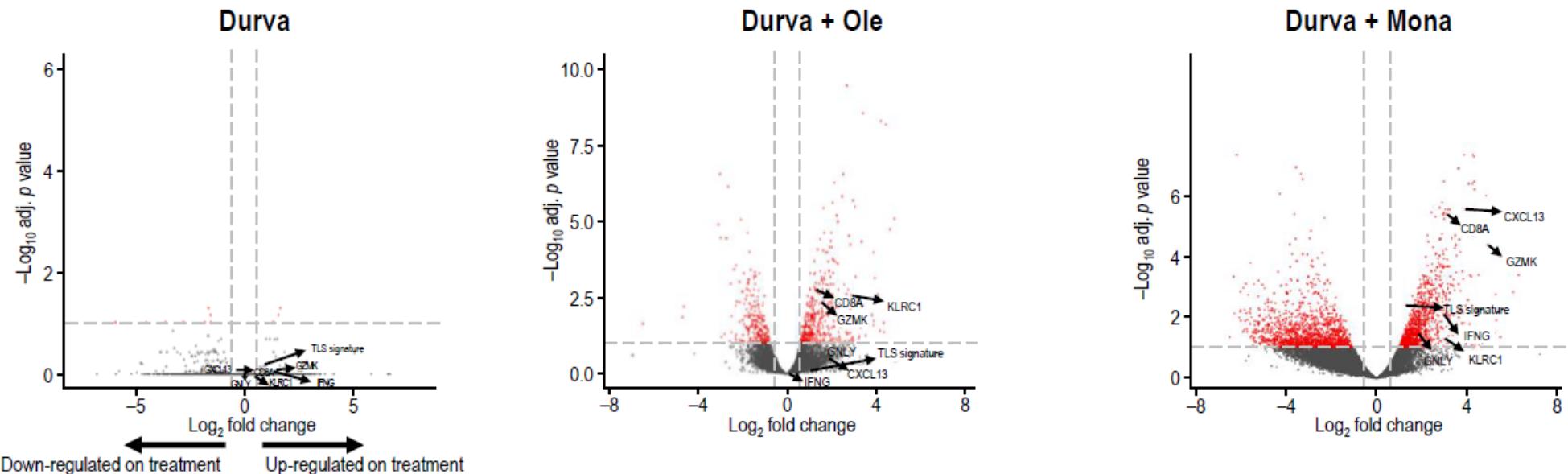


	Durva (n=27)	Durva + Ole (n=21)	Durva + Mona (n=20)	Durva + Danva (n=16)
Overall MPR (n/N, %)	3/27 (11%)	4/21 (19%)	6/20 (30%)	5/16 (31%)
PD-L1+	0/6 (0%)	2/5 (40%)	3/6 (50%)	0/2 (0%)
PD-L1-	0/3 (0%)	1/6 (16.7%)	0/2 (0%)	0/5 (0%)
PD-L1 NE	3/18 (17%)	1/10 (10%)	3/12 (25%)	5/9 (56%)

- 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.

*Per American Joint Committee on Cancer Staging, 8th edition. †Danvatirsen 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 CT011).

Evaluation of gene expression between tumours pre-therapy and at surgery reveals signatures of intratumoural immune activation



- Whole transcriptome RNA-sequencing was performed from tumour tissue collected pre-therapy and at surgery for all patients, where both samples were available.
- Expression of genes and gene signatures associated with NK cells (*KLRC1*, *GNLY*), CD8 T cells (*CD8A*, *GZMK*), cytotoxicity (*IFNG*, *GZMK*), tertiary lymphoid structures, and lymphocyte recruitment (*CXCL13*) demonstrated greater increases with durva + ole and durva + mona, than with durva alone.

A) Enfermedad localizada

B) Enfermedad localmente avanzada: potencialmente resecable e irresecable

C) Biomarcadores

Organizado por:



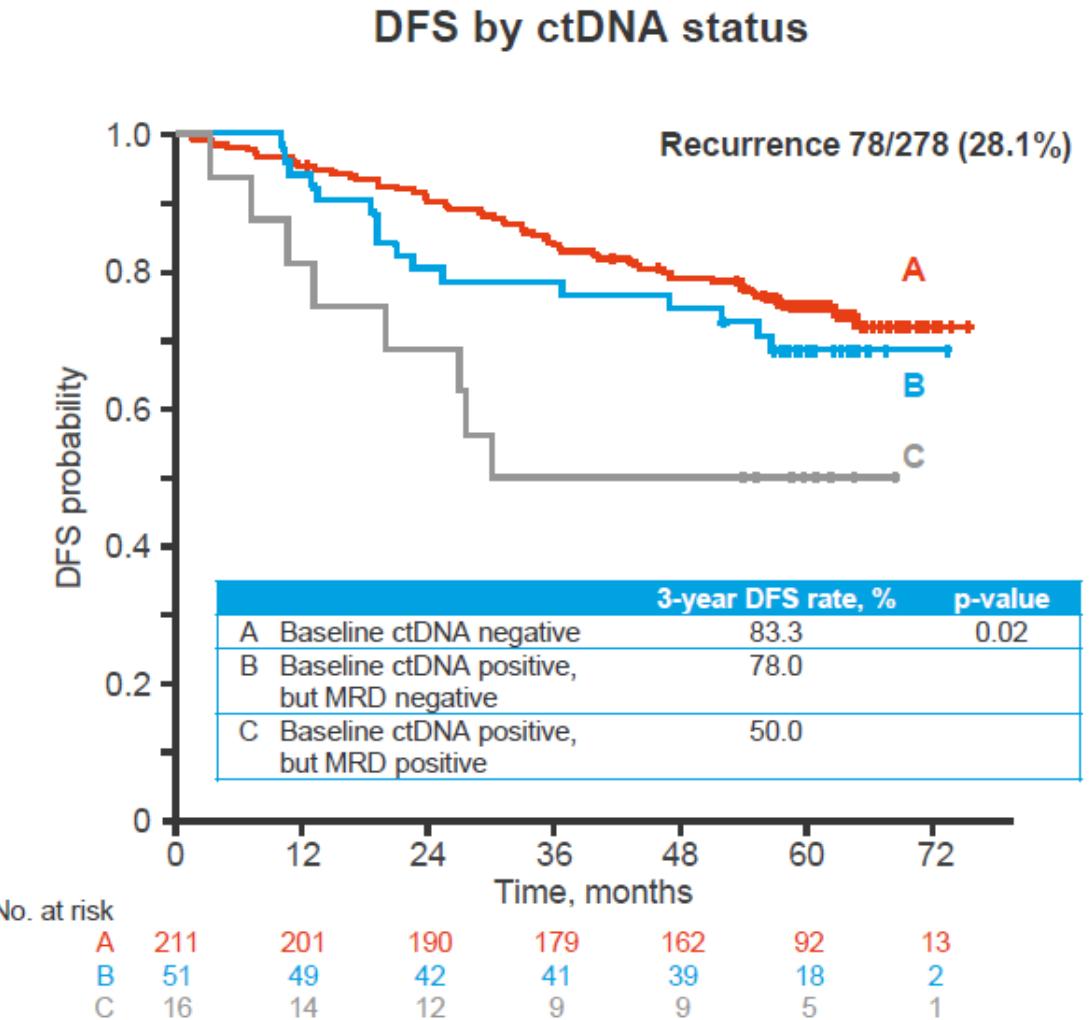
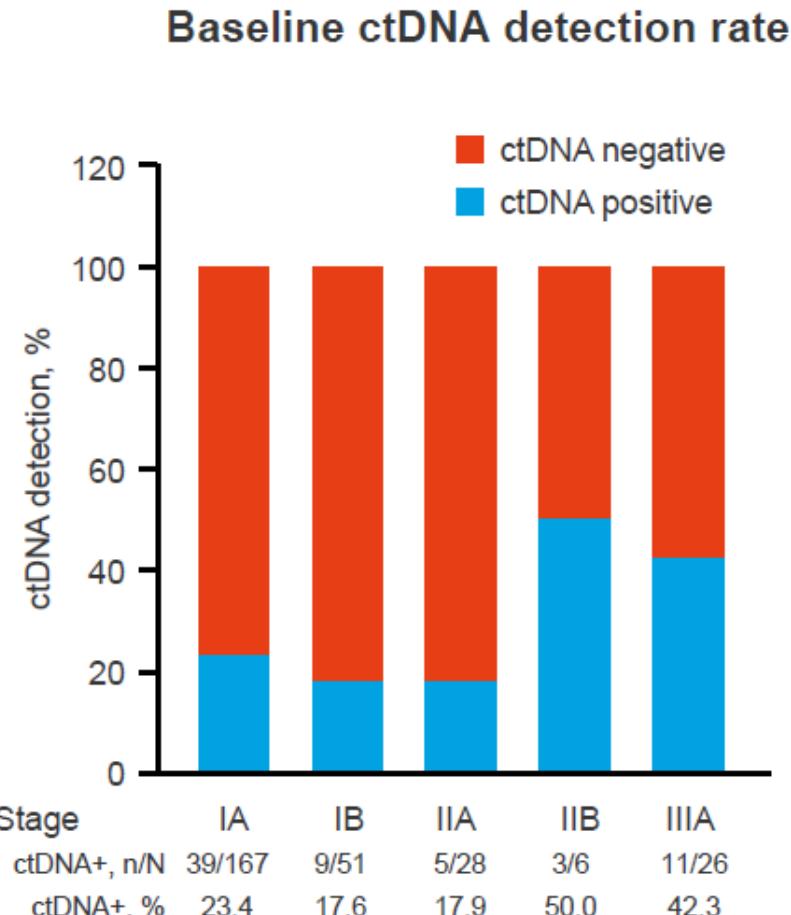
933MO: Longitudinal monitoring of circulating tumor DNA from plasma in patients with curative resected stage IA-IIIA EGFR mutant NSCLC

- **Study objective**
 - To assess the role of longitudinal monitoring of ctDNA in patients with resected stage IA–IIIA EGFR-mutant NSCLC
- **Methods**
 - Between August 2015 and October 2017, ctDNA samples (droplet digital PCR; BioRad) were collected from eligible patients with stage IA–IIIA NSCLC and Del19 or L859R alterations
 - ctDNA samples were analysed before surgery, 4 weeks after surgery, and at regular intervals for the next 5 years or until radiological recurrence (first year: every 3 months; second year: every 4 months; third year: every 6 months; year 4 and 5: once a year)

Organizado por:



- Key results



Ahn M-J, et al. Ann Oncol 2022;33(suppl):Abstr 933MO
Organizado por:

In patients with resected stage IA-IIIA EGFR-mutant NSCLC, baseline ctDNA may be predictive of DFS

Take-home messages

- En estadíos IA <2cm periféricos, la resección sublobar/segmentectomía debe considerarse como tratamiento quirúrgico estándar
- Se confirma el beneficio en SLE a 4 años para osimertinib adyuvante EII-IIIA en *EGFRm*, a la espera de los datos en OS
- Se confirma el beneficio en SLE para atezolizumab adyuvante en EII-IIIA en PD-L1 ≥ 1% – aprobado para la EMA en los PD-L1 ≥ 50%. Tendencia a mejorar la OS con atezolizumab adyuvante, que incrementa con la expresión de PD-L1
- Se confirma el papel de la combinación de quimio-inmunoterapia neoadyuvante en ensayos clínicos randomizados (NADIM II, CheckMate 816). Nuevo estándar de tratamiento para enfermedad potencialmente resecable
- El papel de la biopsia líquida en enfermedad localmente avanzada sigue siendo un reto

Organizado por:



Gracias por vuestra atención



Organizado por: