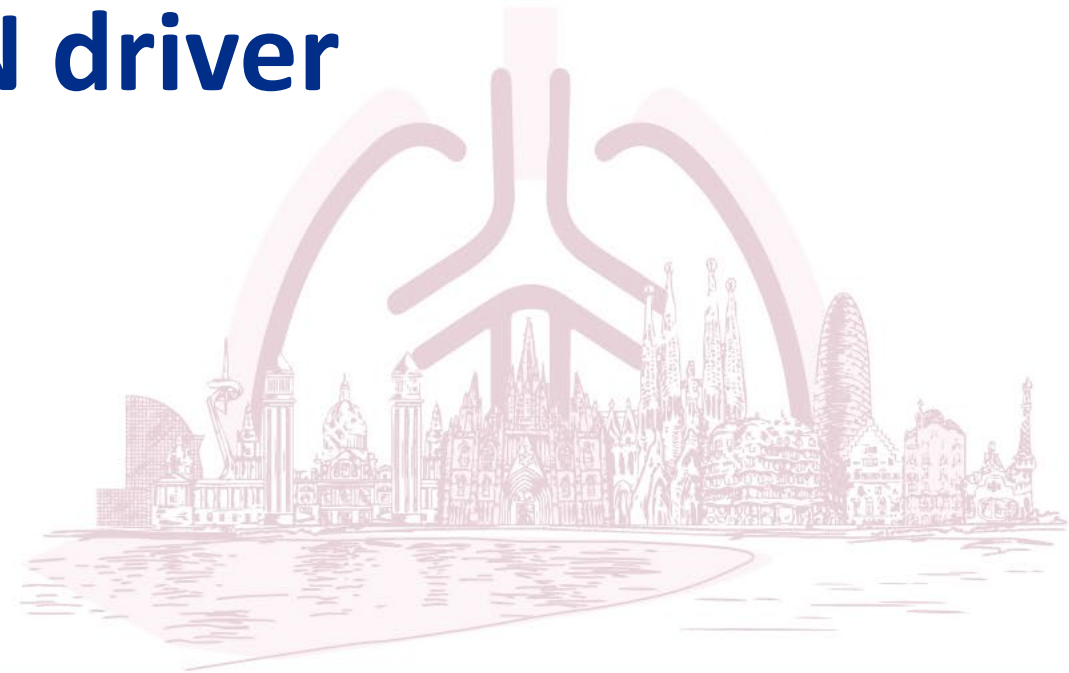


Cáncer de pulmón no microcítico estadio IV (avanzado) SIN driver

M. Lázaro

Hospital Álvaro Cunqueiro de Vigo





**Consultant or Advisory Role: BMS, MSD, Takeda, Roche, Pfizer,
Roche, Ipsen, Astra-Zéneca,**

Boehringer, Bayer, Janssen, Recordati

**Speaking: GSK, Roche, Ipsen, Lilly, Astellas, Janssen, Novartis,
Boehringer, Eisai, Sanofi**

**Grant or travel support: MSD, Ipsen, Roche, Janssen, Pfizer,
Astellas, Takeda**

**Participation in clinical trials: Merck, Astellas, Pfizer, Ipsen,
Roche, AZ, Mirati, PharmaMar, Gilead, Regeneron, Summit Ther**



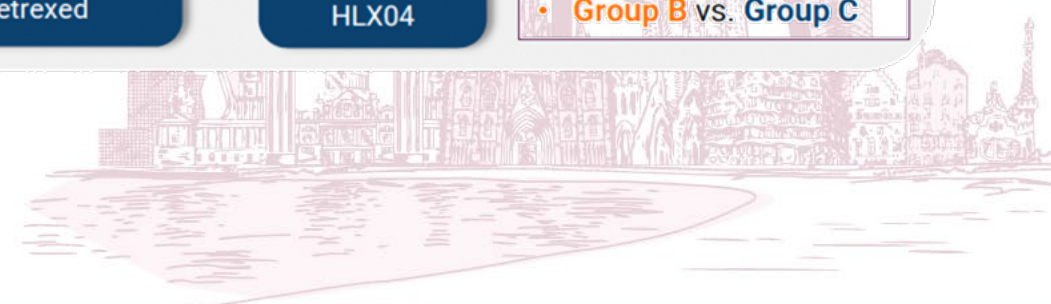
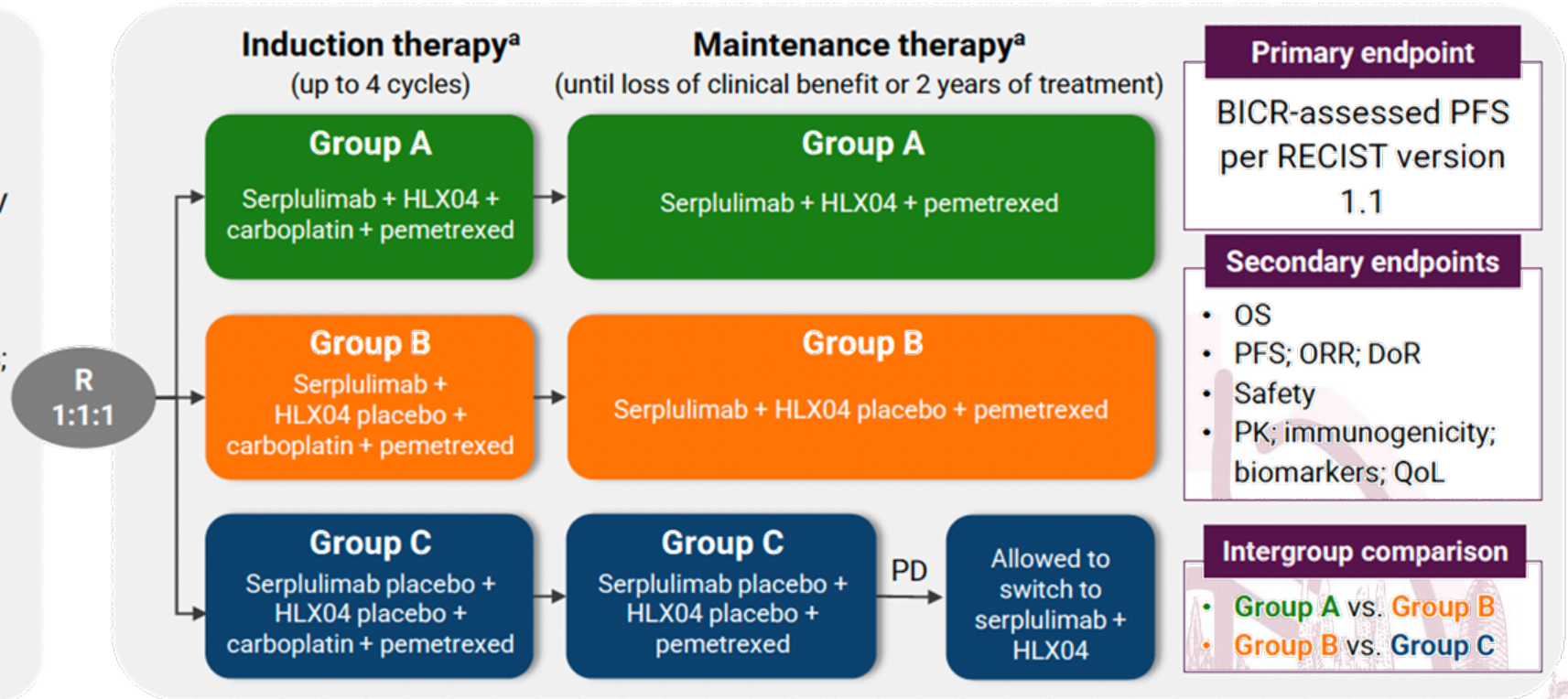
A randomized, double-blind, multicenter phase 3 study (NCT03952403)

Key inclusion criteria:

- Aged 18–75 years;
- ECOG PS of 0 or 1;
- Histologically/cytologically diagnosed with stage IIIB, IIIC, or IV nsqNSCLC that cannot be treated with surgery or radiotherapy;
- No *EGFR* sensitizing mutations or *ALK* or *ROS1* gene rearrangements;
- No prior systemic treatment for nsqNSCLC.

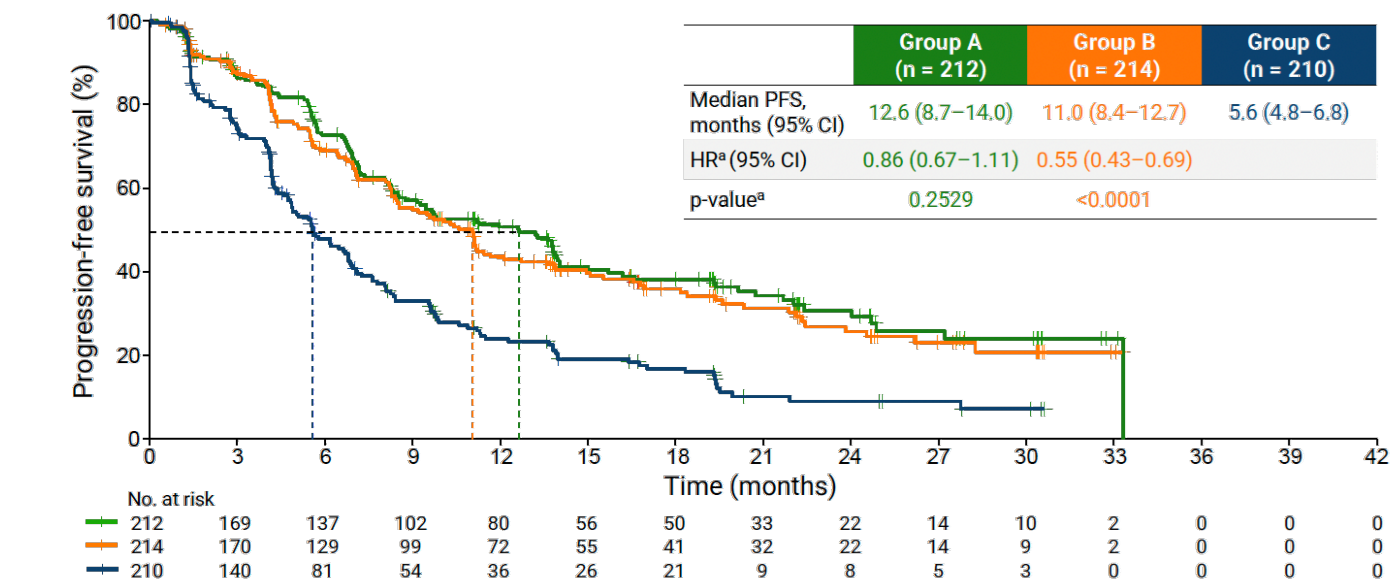
Stratification factors:

- PD-L1 expression level (negative vs. positive vs. not evaluable);
- Smoking history (yes vs. no);
- Brain metastasis (yes vs. no).



Primary endpoint: BICR-assessed PFS

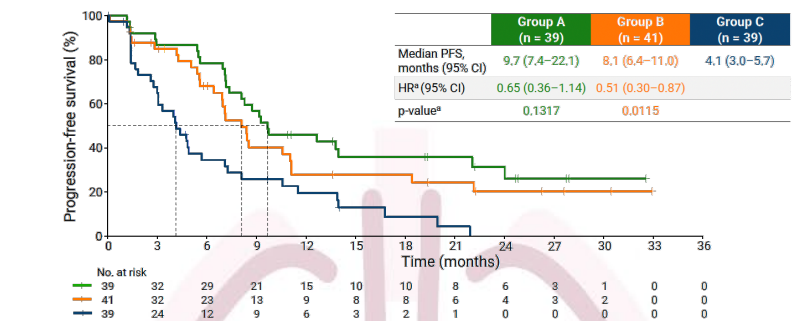
Improved PFS upon adding serplulimab to chemotherapy



^a Group B was statistically compared to Group C, while Group A was compared to Group B.
BICR, blinded independent central review; CI, confidence interval; HR, hazard ratio; No., number; PFS, progression-free survival.

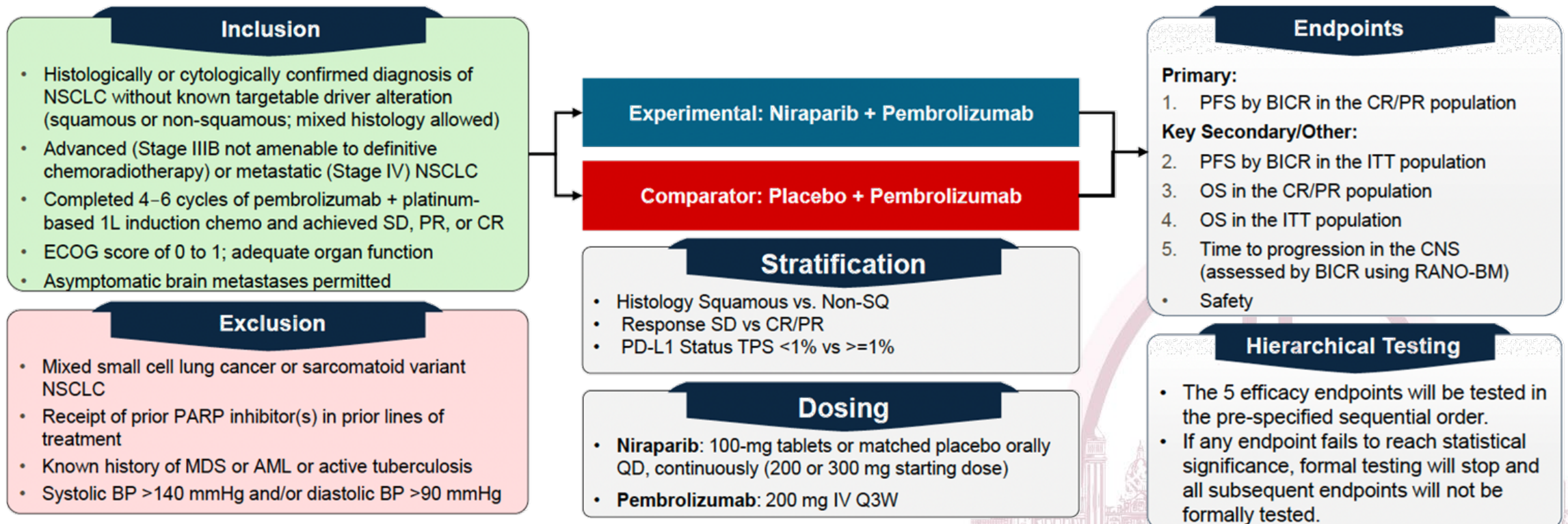
Patients with brain metastasis

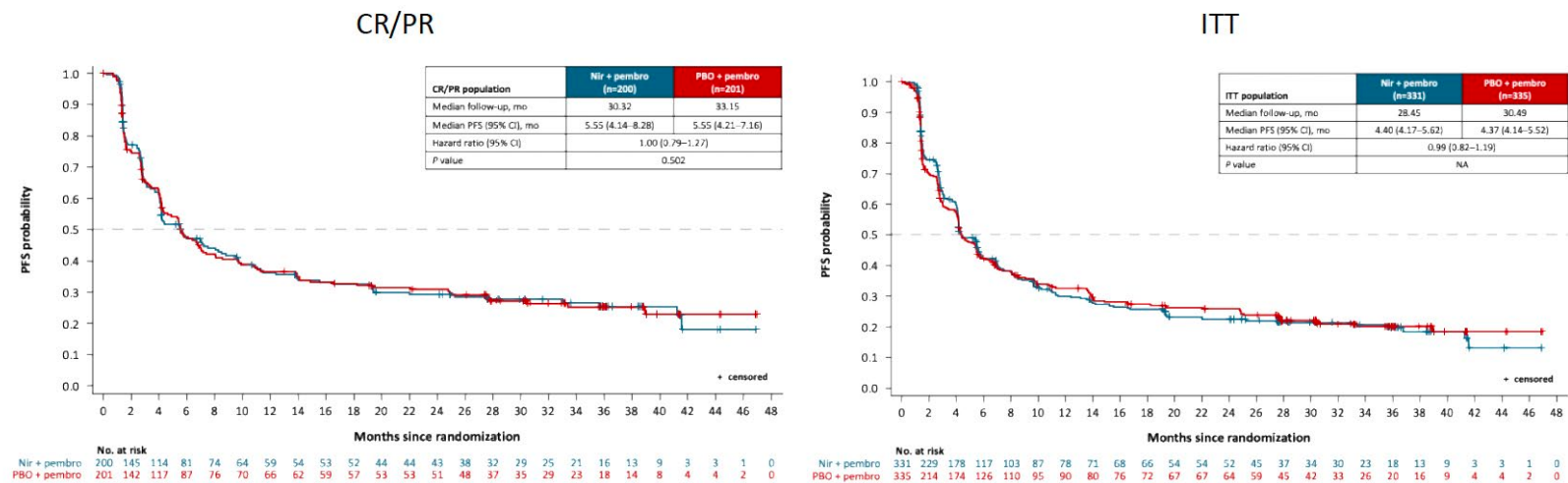
Improved PFS upon adding serplulimab to chemotherapy



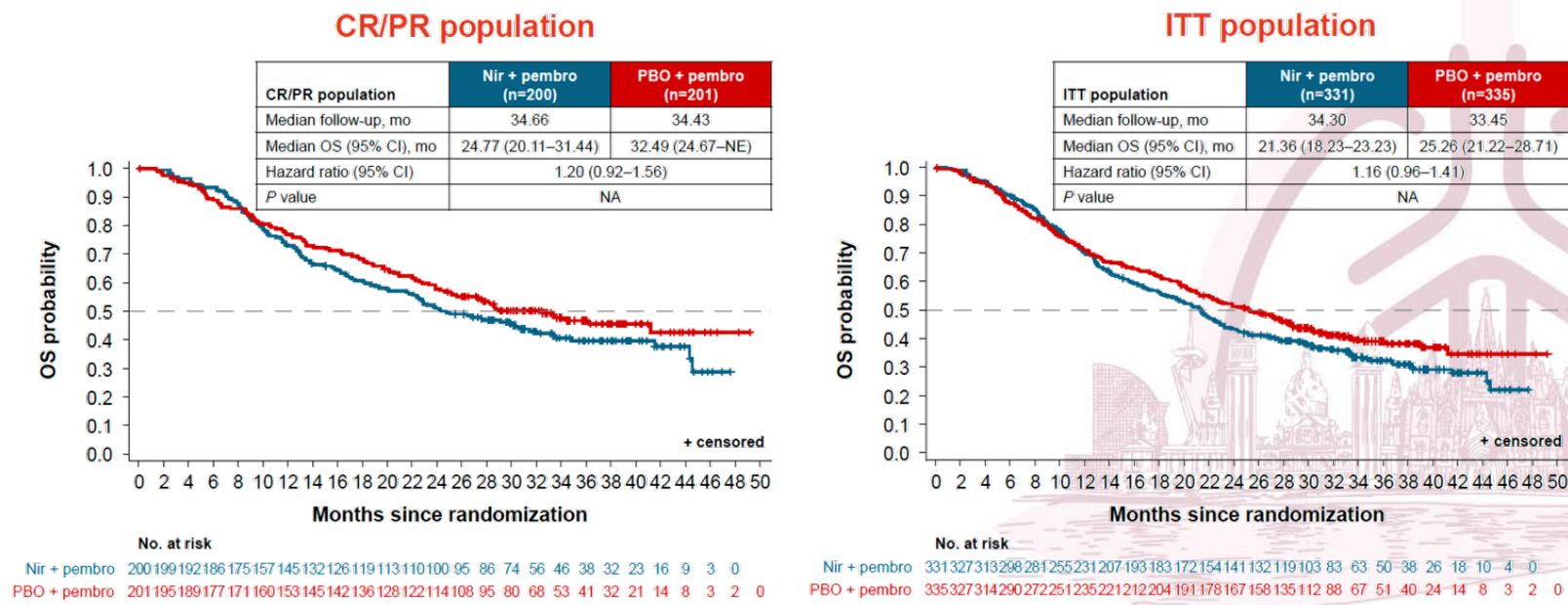
Study design

- Phase 3, multicenter, randomized, double-blind study





Key secondary endpoint: Overall Survival



Treatment naïve patients with stage IV NSCLC with untreated brain metastases not amenable for SRS, *EGFR/ALK/ROS1* negative, any PD-L1, ECOG PS 0-1, measurable systemic and brain lesions

COHORT A (n=44)

Asymptomatic brain metastases and not receiving steroids

COHORT B (n=27)

Oligosymptomatic brain metastases controlled with low dose steroids (dexamethasone $\leq 4\text{mg qd}$)

*Non-squamous: CDDP or CBDCA + pemetrexed; squamous: CBDCA + paclitaxel

Tumor evaluation by body CT scan and brain MRI Q6W until the 12th week and thereafter Q9W until disease progression

NIVO 360mg Q3W + IPI 1mg/kg Q6W
+
Chemotherapy Q3W (2 cycles)*

Until disease progression#, unacceptable toxicity or a maximum of 2 years

Primary endpoint:

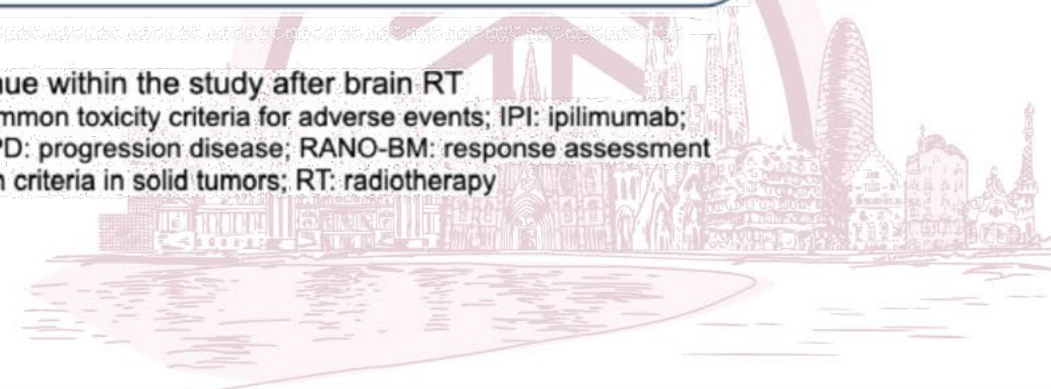
Intracranial disease control rate (icDCR): percentage of patients without progression for at least 6 months, as assessed by RANO-BM

Secondary endpoints:

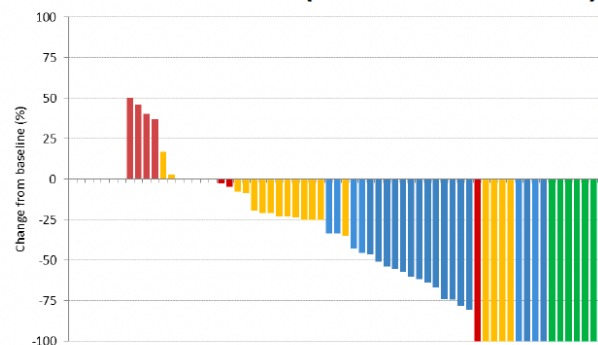
- Intracranial and systemic ORR & PFS by RANO-BM and by RECIST v1.1 respectively
- Safety by CTCAE v5.0
- Overall Survival
- Time to brain RT and quality of life

#Patients with exclusive CNS PD were allowed to continue within the study after brain RT

CBDCA: carboplatin; CDDP: cisplatin; CT: computerized tomography; CTCAE: common toxicity criteria for adverse events; IPI: ipilimumab; MRI: magnetic resonance imaging; NIVO: nivolumab; ORR: overall response rate; PD: progression disease; RANO-BM: response assessment in neuro-oncology brain metastases; RECIST: response evaluation criteria in solid tumors; RT: radiotherapy



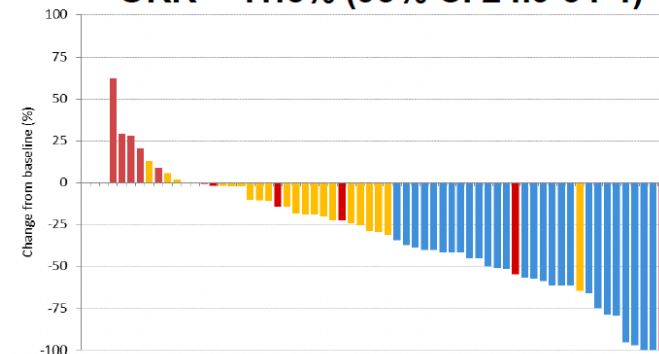
ORR = 41.5% (95% CI 24.9-54.4)



Clinical Benefit Rate (CBR) = 73.8%

6 CR, 21 RP and 21 SD

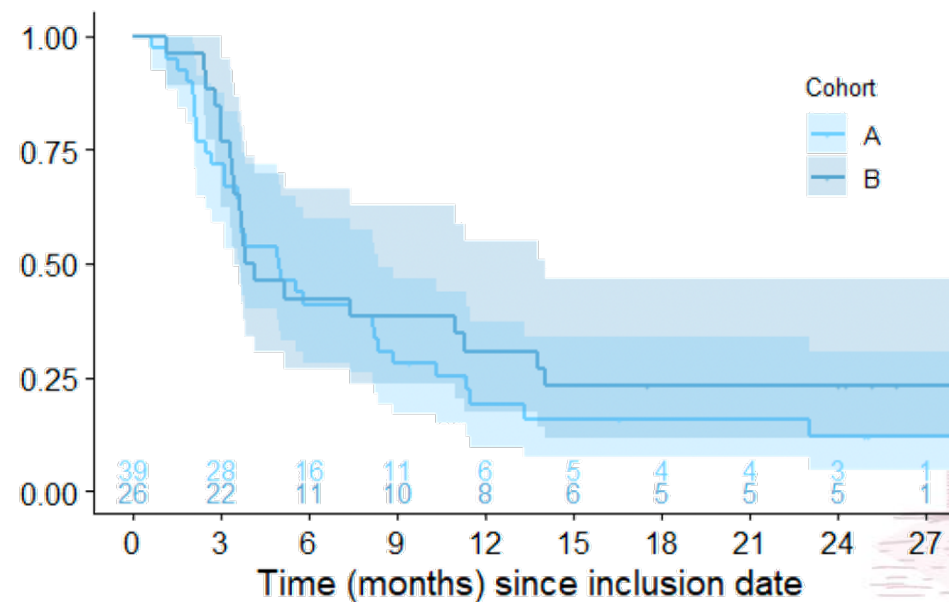
ORR = 41.5% (95% CI 24.9-54.4)



Clinical Benefit Rate (CBR) = 78.4%

27 RP and 24 SD

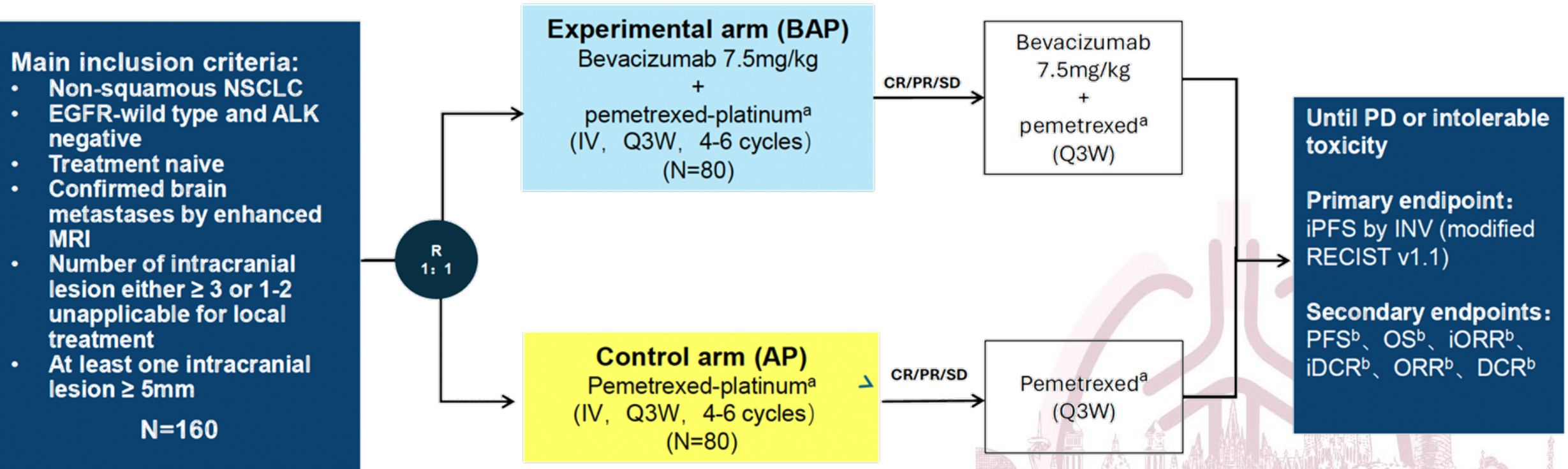
Primary Endpoint: Intracranial DCR (by RANO-BM)



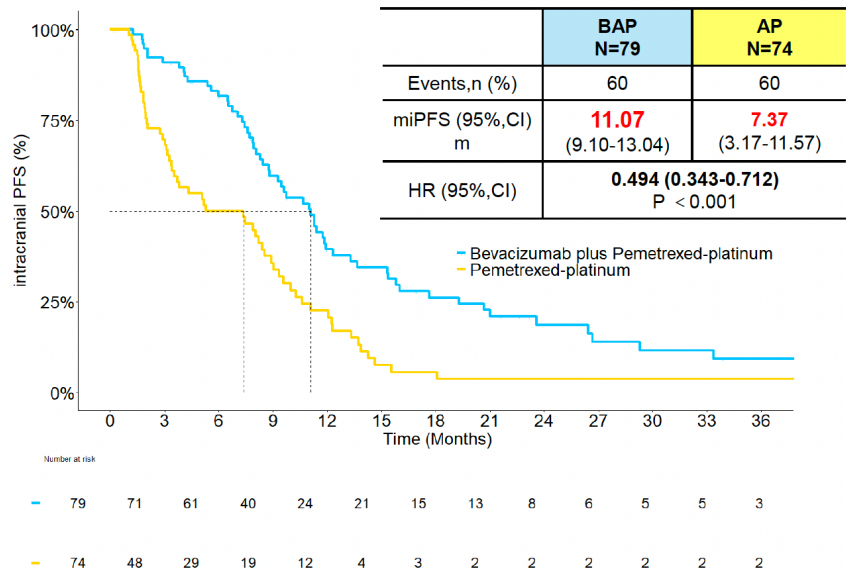
Cohort	Intracranial DCR
A	At 6 months 41% (95% CI 28-60)
B	At 5 months 46% (95% 31-79)

As the intracranial DCR is below 50%, the study did not achieve the expected efficacy

- Randomized, multi-center phase 3 study conducted across 11 centers in China (NCT01951482)



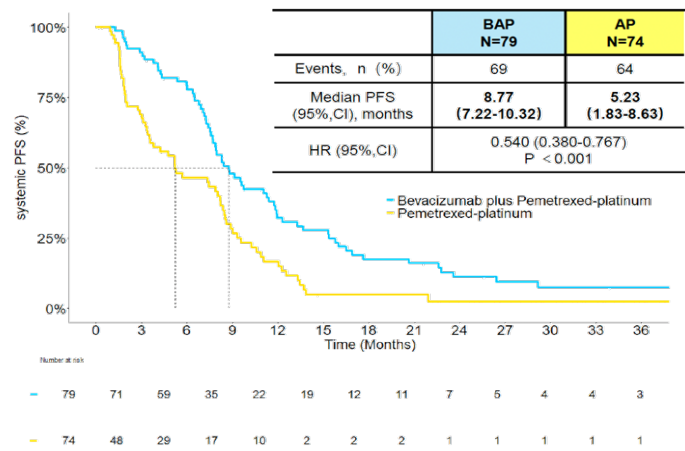
Primary Endpoint: iPFS



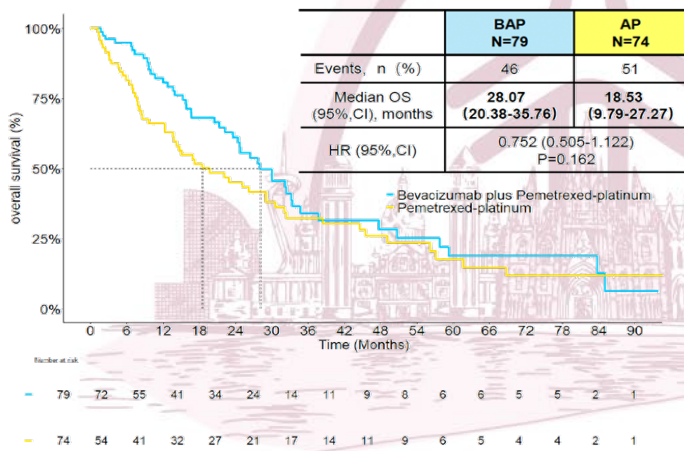
Data cutoff : January 31, 2025 Median Follow-up: 16.7months (range 7.4-32.0 mo)

Secondary Endpoints:

PFS



OS



Phase 3, Randomized, Open-Label Study (NCT04656652)

Key eligibility criteria

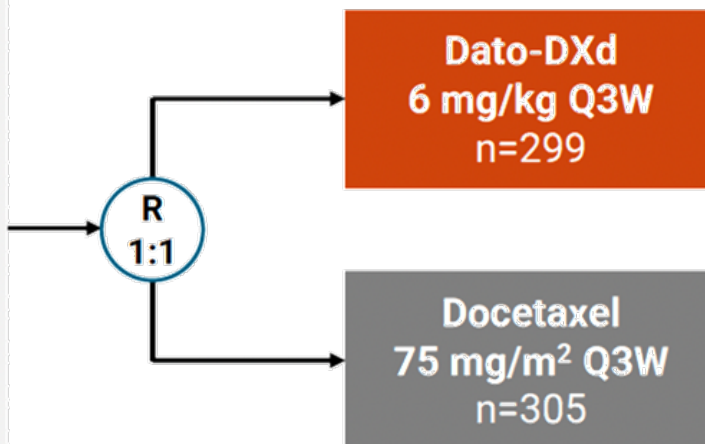
- NSCLC (stage IIIB, IIIC, or IV)
- ECOG PS 0 or 1
- No prior docetaxel
- **Patients with clinically inactive, asymptomatic brain metastases were eligible**

Without actionable genomic alterations:^a

- 1–2 prior lines, including Pt-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*
- 1–2 prior approved targeted therapies + Pt-CT and ≤1 anti-PD-(L)1 mAb



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

Dual primary end points:

- PFS by BICR per RECIST 1.1
- OS

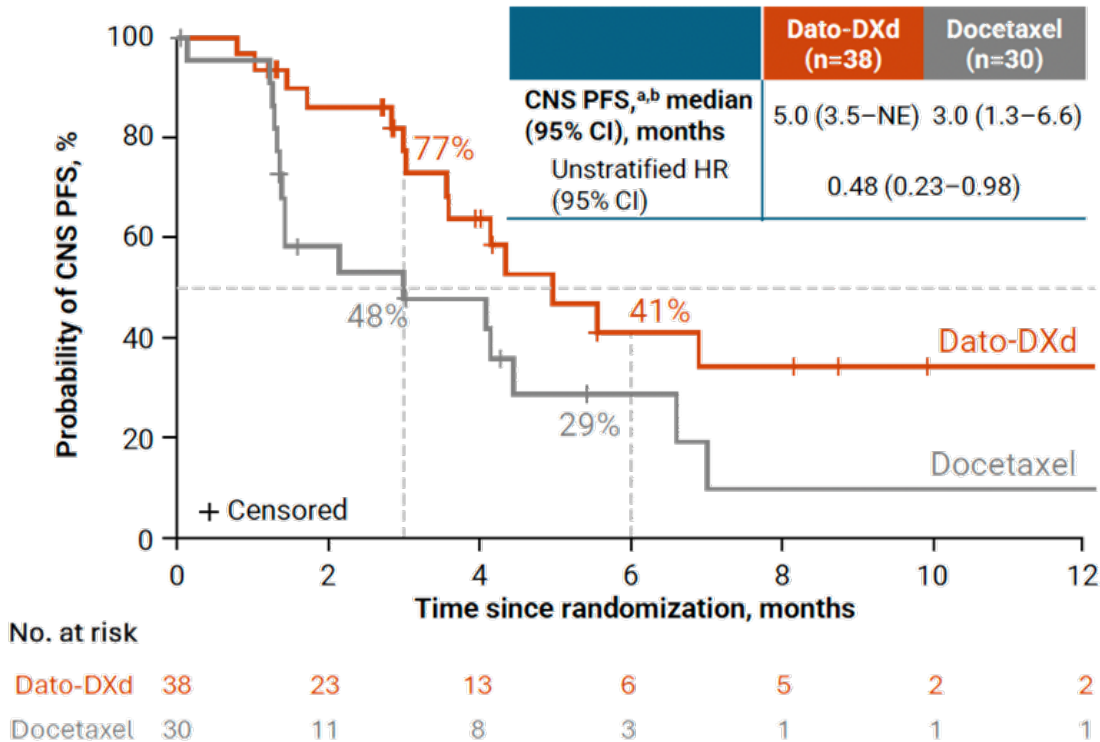
Post hoc analysis (intracranial activity):

- CNS ORR, DCR, and PFS, assessed by CNS BICR per CNS RECIST
- Percentage change from baseline in SOD in measurable brain metastases



CNS PFS

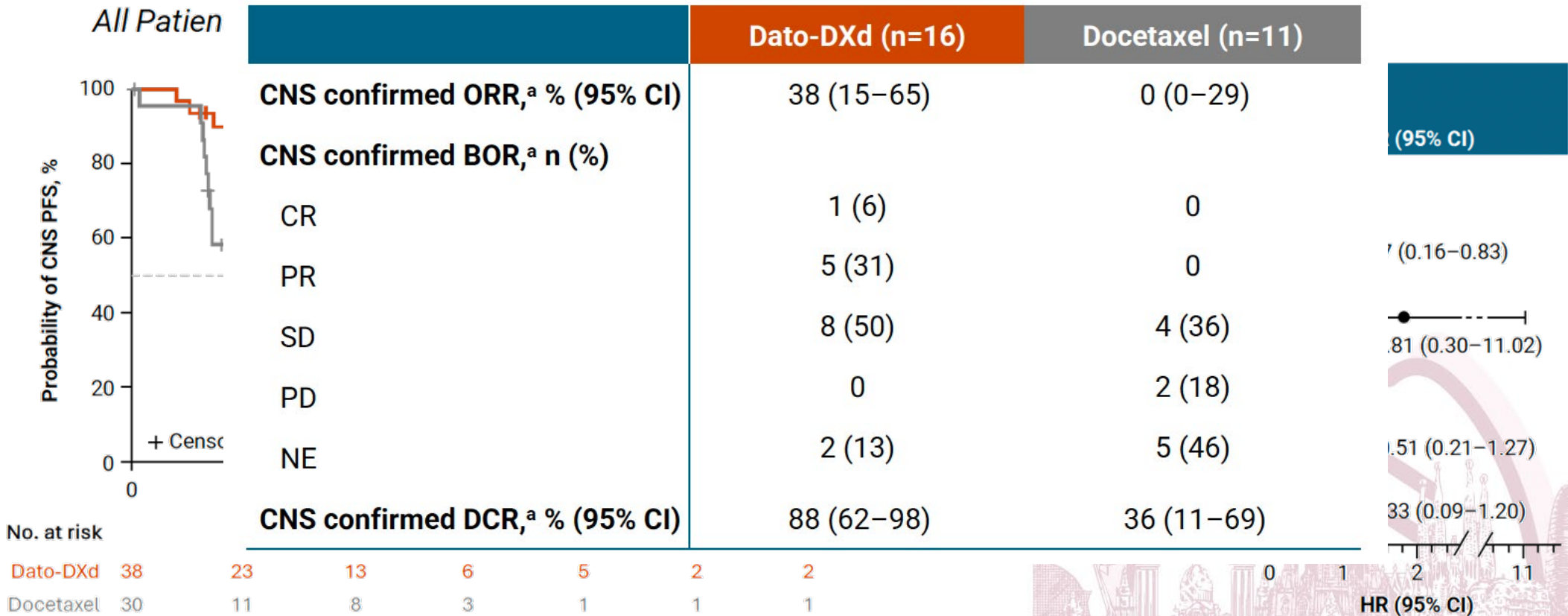
All Patients With Untreated BM or Progression After RT



Subgroup	Events, n / N		HR (95% CI)
	Dato-DXd (n=38)	Docetaxel (n=30)	
Histology			
Nonsquamous (n=56)	11 / 31	13 / 25	0.37 (0.16–0.83)
Squamous (n=12)	3 / 7	3 / 5	1.81 (0.30–11.02)
EGFRm			
Absent (n=46)	9 / 27	10 / 19	0.51 (0.21–1.27)
Present (n=22)	5 / 11	6 / 11	0.33 (0.09–1.20)

CNS PFS

All Patient



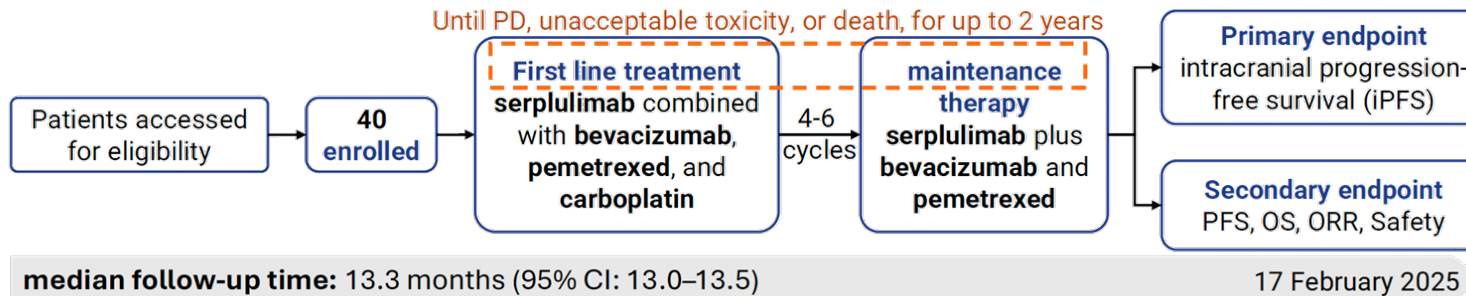
Study Design (NCT05807893)

Study Design

Inclusion Criteria

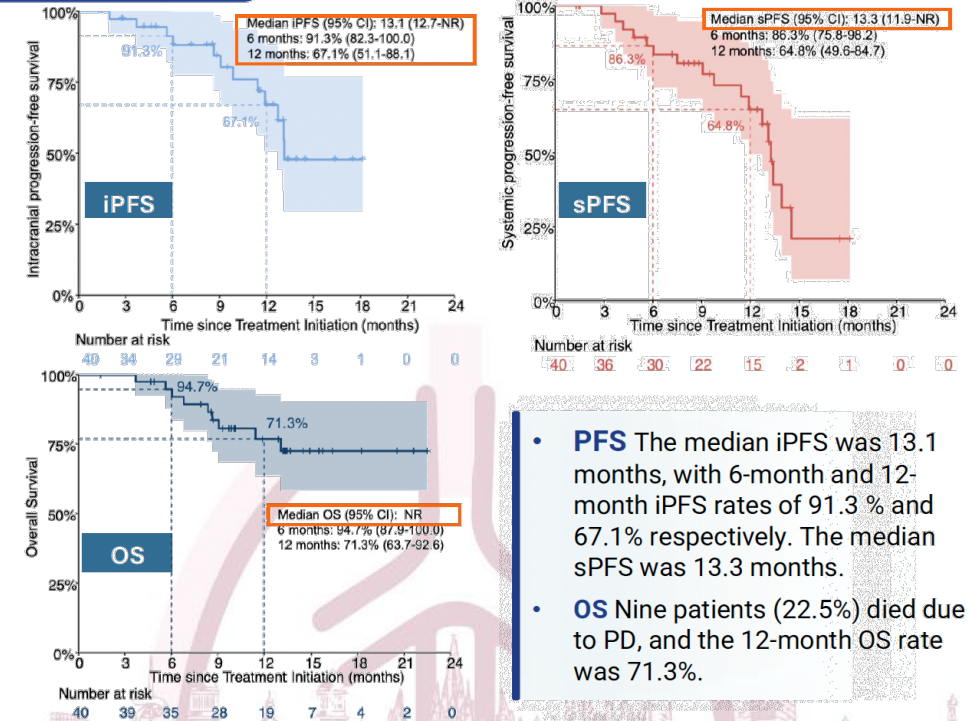
- 18 to 75 years;
- Stage IV non-squamous NSCLC with untreated BMs confirmed by histopathology or cytology;
- MRI-confirmed brain parenchymal metastasis with ≥ 3 lesions; or 1-2 lesions unsuitable for or refused local treatment;
- ≥ 1 measurable lesion with a diameter ≥ 5 mm in the brain;
- No EGFR sensitive gene mutation, no ALK/ROS1 gene fusion;
- ECOG PS score is 0-1;
- ...

Until PD, unacceptable toxicity, or death, for up to 2 years



ORR intracranial: 84%
ORR extracranial: 64%

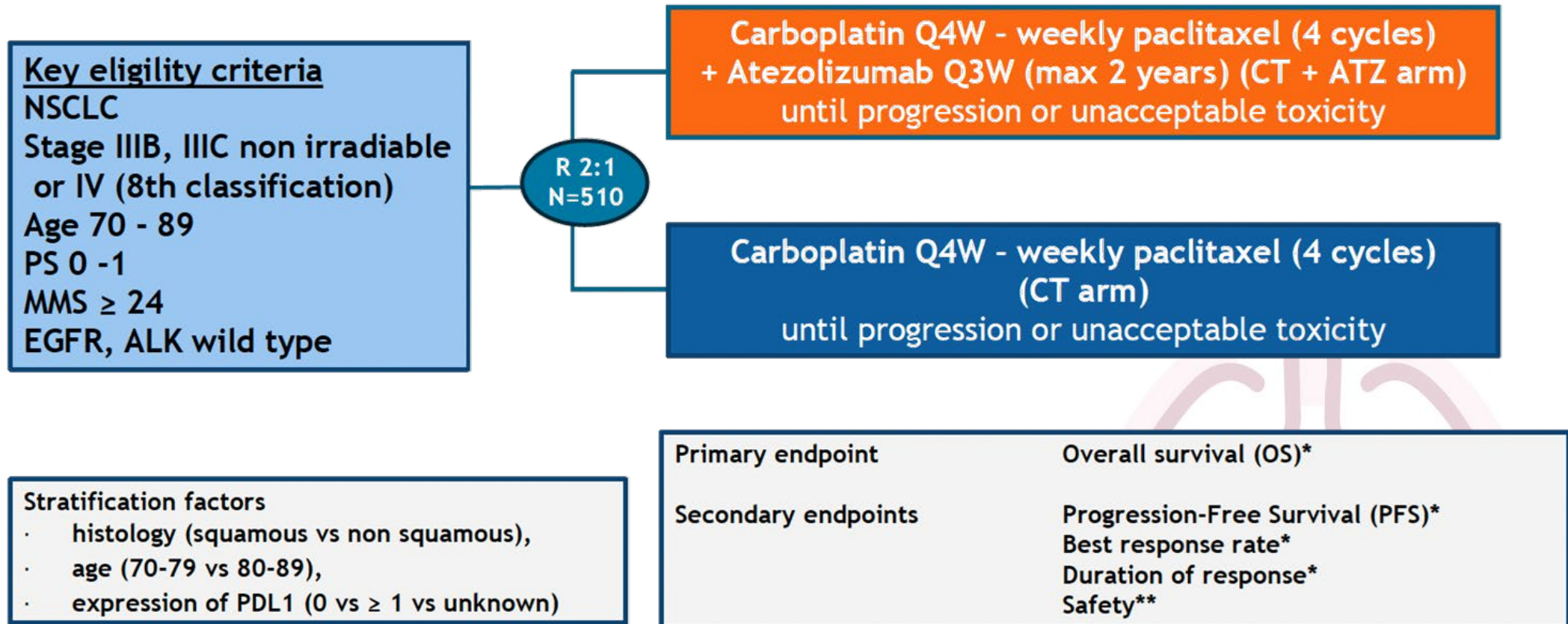
Survival



- **PFS** The median iPFS was 13.1 months, with 6-month and 12-month iPFS rates of 91.3% and 67.1% respectively. The median sPFS was 13.3 months.
- **OS** Nine patients (22.5%) died due to PD, and the 12-month OS rate was 71.3%.

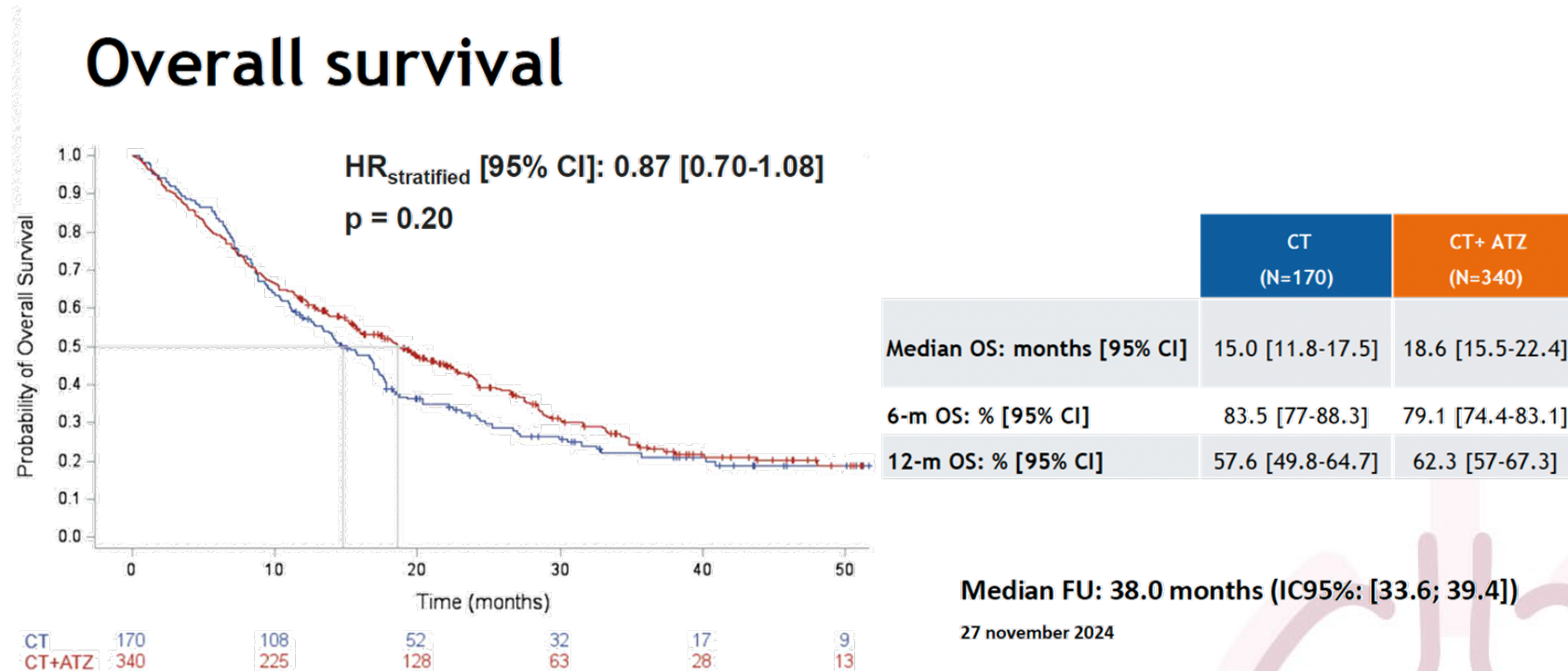
First-line atezolizumab plus chemotherapy in elderly patients with advanced NSCLC

IFCT-1805 ELDERLY: a randomized, multicenter, open-label, phase 3 trial



First-line atezolizumab plus chemotherapy in elderly patients with advanced NSCLC

IFCT-1805 ELDERLY: a randomized, multicenter, open-label, phase 3 trial

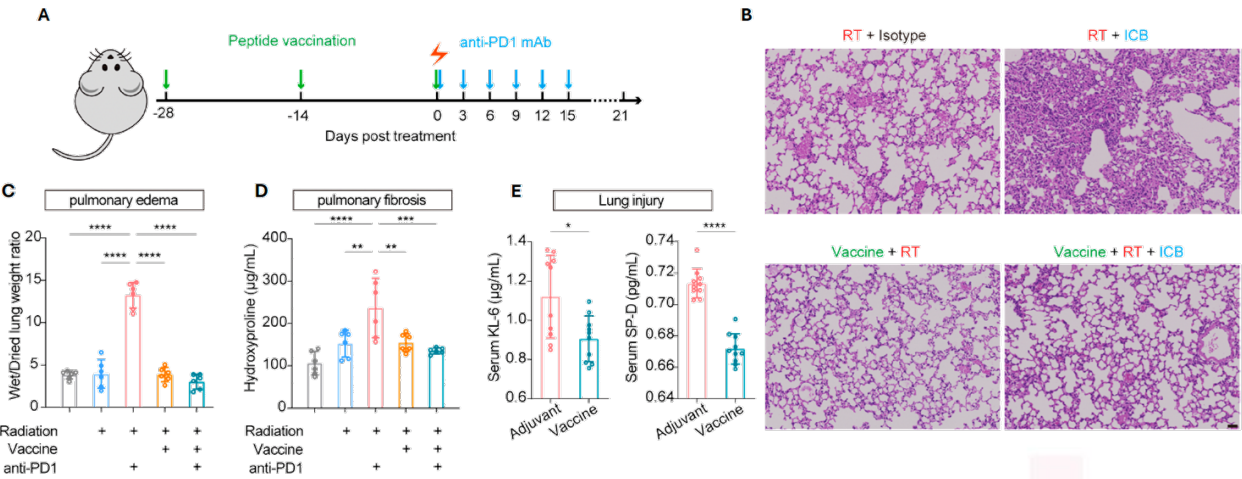


The addition of ATZ to CT significantly improved PFS, ORR, DOR, independently of PDL1 expression.

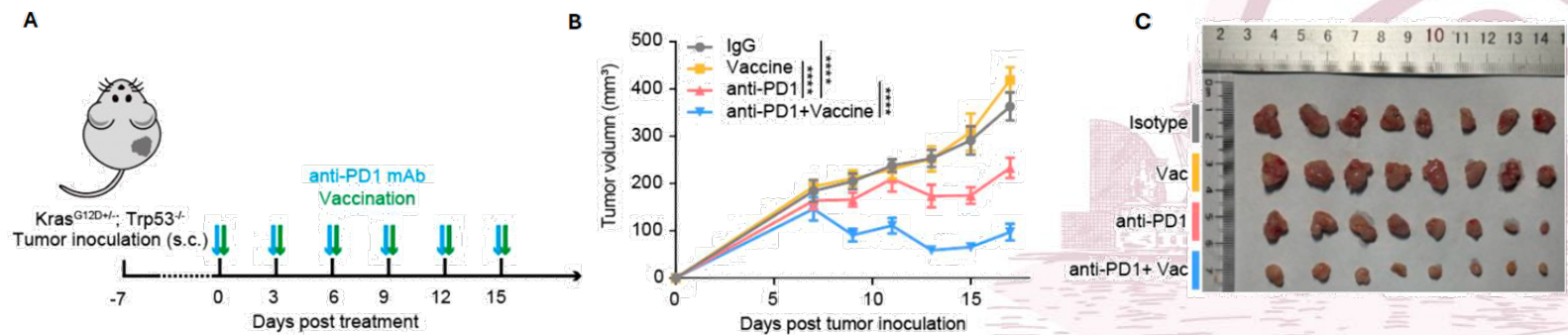
A significantly higher toxicity was seen with the addition of ATZ to CT for elderly patients.

TNFSF8-Targeting CpG Peptide Vaccine Reduces ICB Pneumonitis While Boosting Cancer Immunotherapy Efficacy

Reduced ICB Pneumonitis



Enhanced ICB Efficacy



The background of the image is a reproduction of the painting 'The Starry Night' by Vincent van Gogh. It features a turbulent, swirling night sky filled with bright, glowing stars and a large, luminous crescent moon. In the foreground, dark, jagged silhouettes of cypress trees stand on the left, while rolling hills and a small village are visible in the lower right. The overall mood is one of awe and contemplation.

¿Qué sería de la vida si no
tuviéramos el valor de intentar
algo nuevo?

V. van Gogh