

REUNIÓN STREAMING

Añade esta fecha
a tu calendario



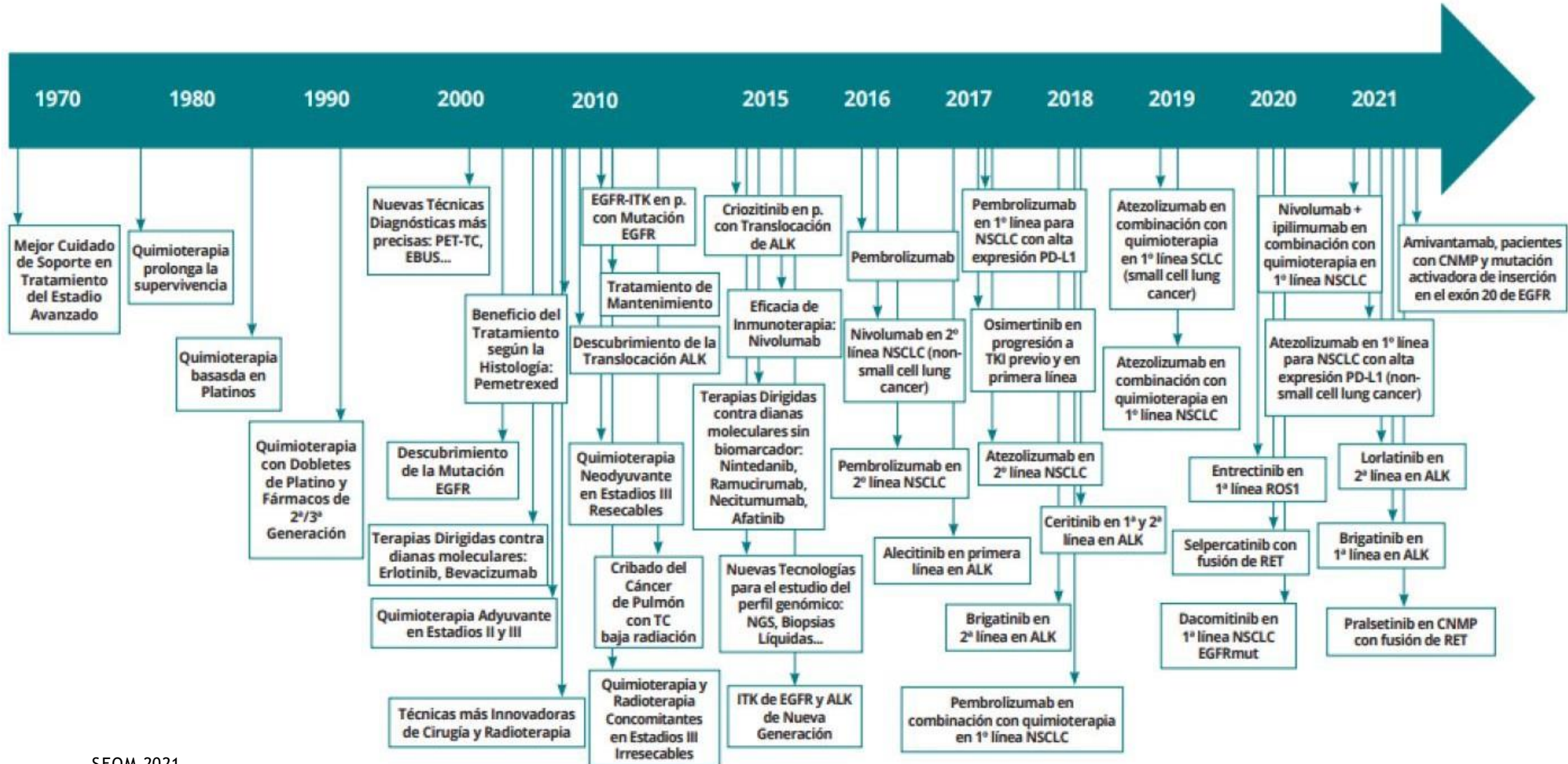
DICIEMBRE 15
De
16:00h
a
18:00h

Novedades y Claves en Cáncer de Pulmón 2021

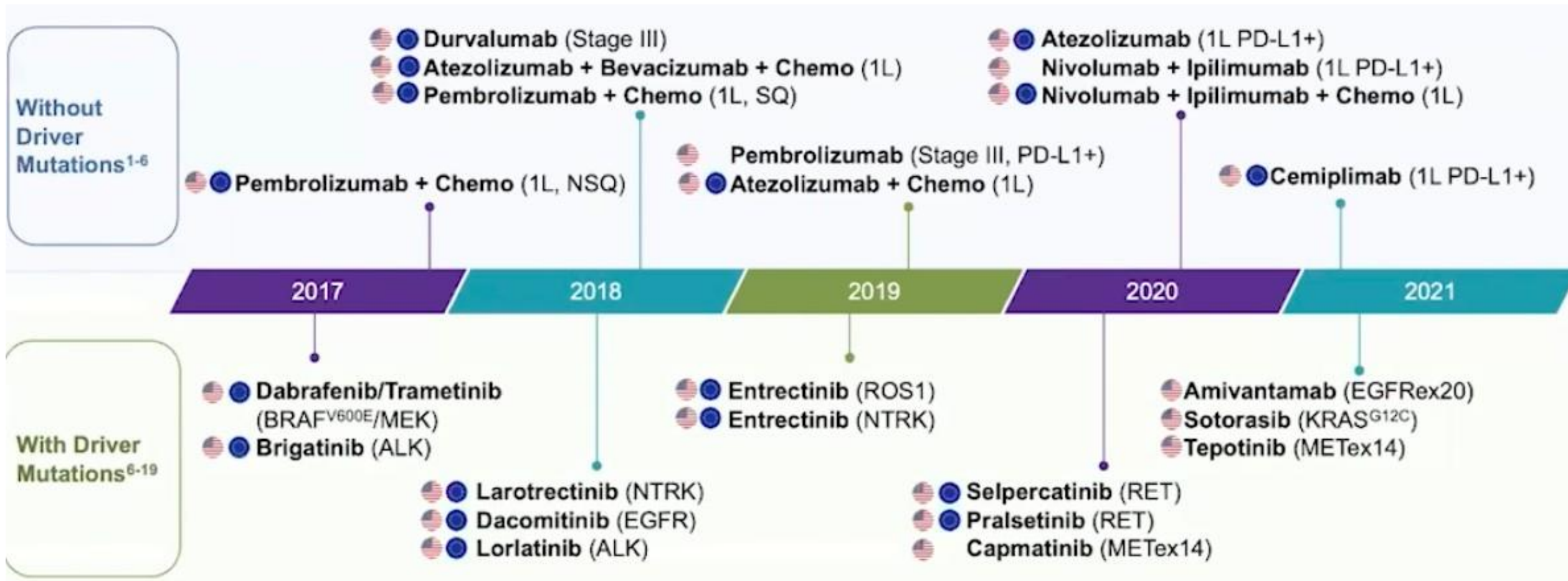
PROGRAMA CIENTÍFICO

- | | |
|---------------|--|
| 16:00 - 16:20 | Introducción
Dr. Carlos Camps
Hospital General Univ. de Valencia |
| 16:20 - 16:40 | Biomarcadores pronósticos
Dra. Paloma Martín
Hospital Clínico Univ. de Valencia |
| 16:40 - 17:00 | Estadios iniciales y enfermedad localmente avanzada
Dr. José Miguel Sánchez
Hospital Univ. de la Princesa, Madrid |
| 17:00 - 17:20 | Enfermedad metastática (incluyendo inmunoterapia)
Dra. Gretel Benítez
Complejo Hospitalario Univ. Insular de las Palmas |
| 17:20 - 17:40 | Cáncer de pulmón microcítico y otros tumores
Dr. Joaquín Mosquera
Hospital Univ. de A Coruña |
| 17:40 - 18:00 | Conclusiones
Dr. Joaquín Casal
Complejo Hospitalario Univ. de Vigo |

Avances en Cáncer de Pulmón



Avances en el cancer de pulmón en los últimos 5 años



Avances en el cancer de pulmón en el último año

Vibostolimab (TIGIT) ± pembrolizumab in NSCLC

CROWN: lorlatinib vs crizotinib in 1L ALK+ NSCLC¹

ADAURA: adjuvant osimertinib in EGFR-mutated NSCLC²

CodeBreak 100: sotorasib in KRAS^{G12C} NSCLC³

DESTINY-Lung01: trastuzumab deruxtecan ADC in HER2-overexpressing mNSCLC⁴

CheckMate-816: nivolumab + platinum doublet chemotherapy in neoadjuvant NSCLC⁷

2020

2021

VIRTUAL 2020 ESMO congress

ENA 2020
EORTC NCI AACR
32nd Symposium

IASLC
2020 World Conference
on Lung Cancer Singapore

elcc
EUROPEAN LUNG CANCER
CONFERENCE

AACR

2021 ASCO
ANNUAL MEETING

KRYSTAL-1:
Adagrasib in
KRAS^{G12C}-mutant NSCLC⁵

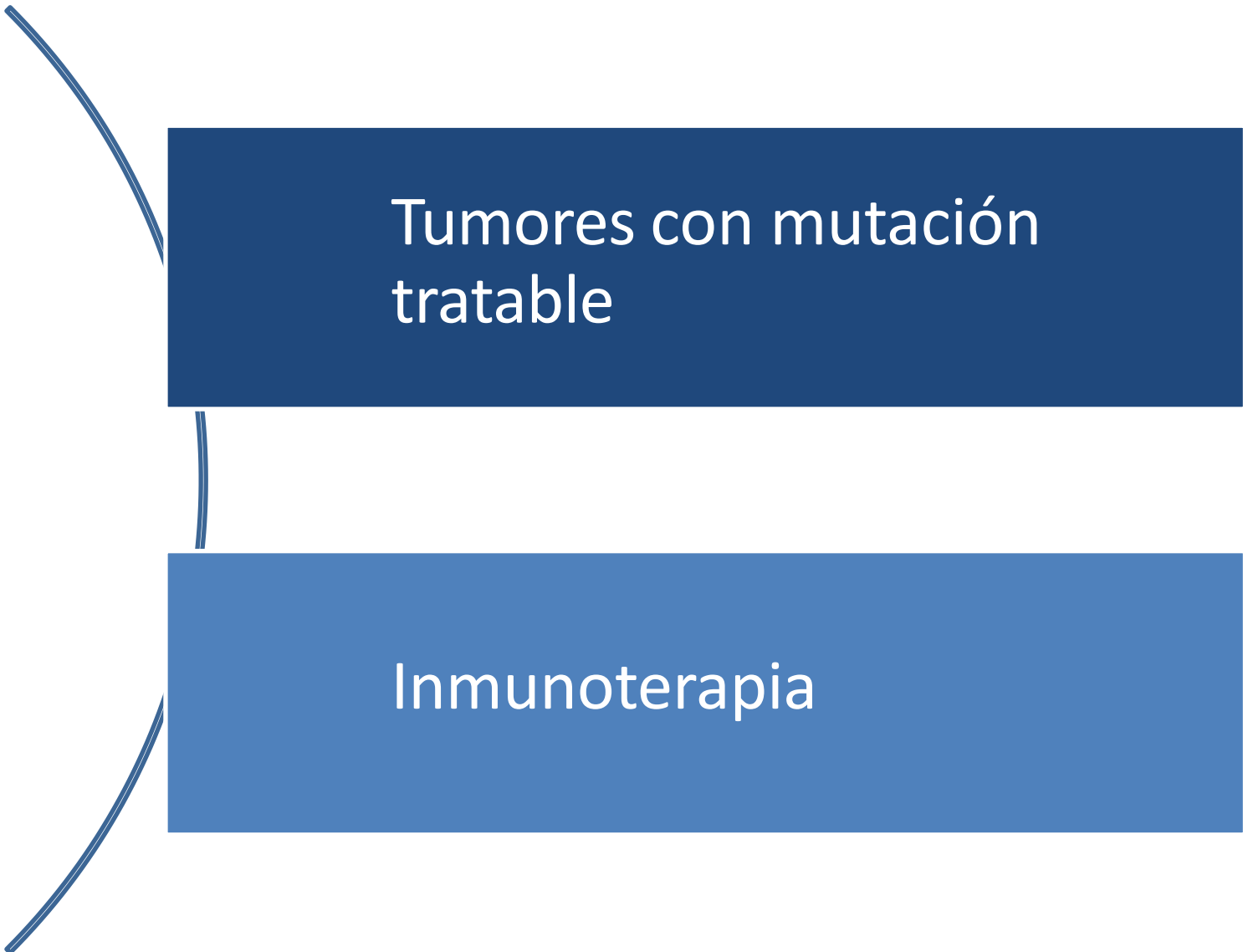
KRYSTAL-1:
Adagrasib activity
and preliminary PD
in KRAS^{G12C}-mutant NSCLC⁶

IMpower010: atezolizumab in
adjuvant NSCLC⁸

CodeBreak 100: sotorasib in
KRAS^{G12C}-mutant NSCLC⁹

Avances para aumentar la supervivencia

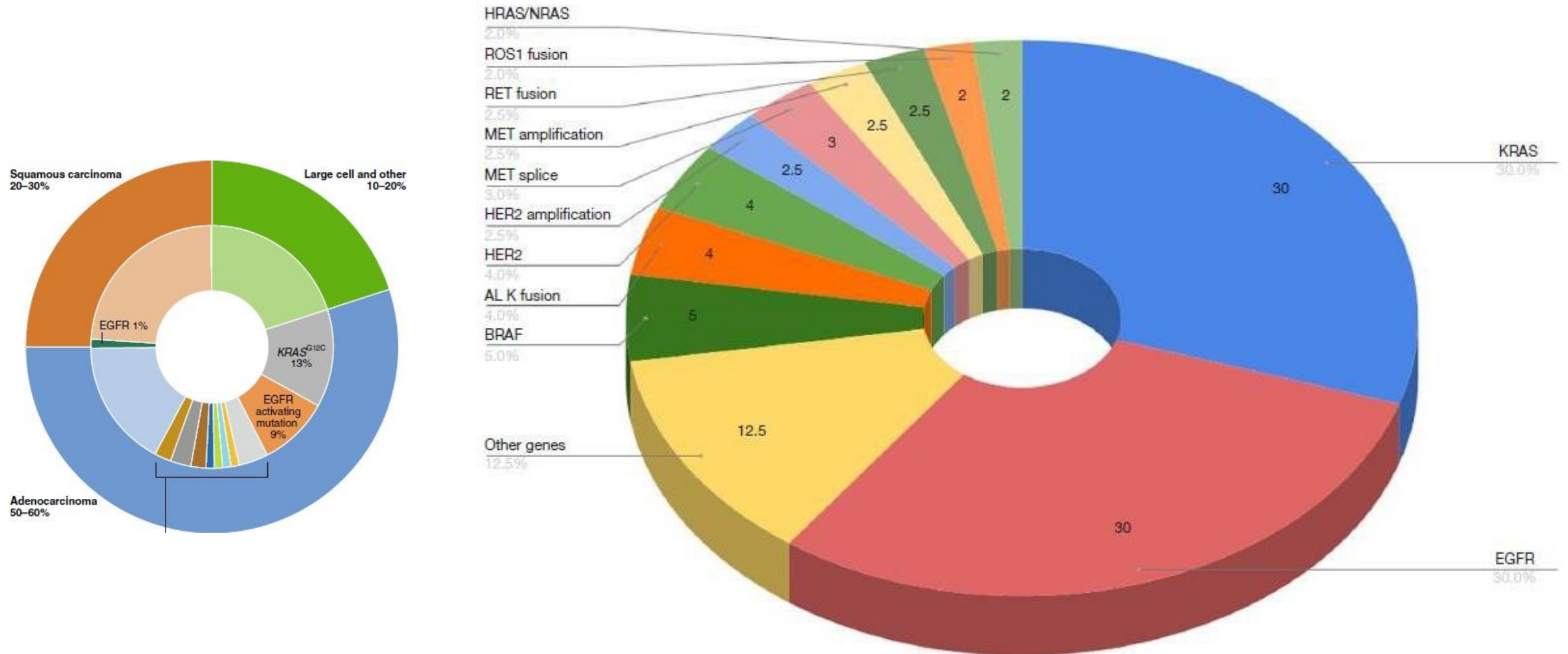
TRATAMIENTO DEL CÁNCER DE PULMÓN NO MICROCÍTICO



Tumores con mutación
tratable

Inmunoterapia

Cáncer de Pulmón con mutación driver



Overcoming EGFR TKI Resistance: A Focus of Many Ongoing Studies

Resistance mechanisms can be on- or off-target

On-target mechanisms affect the *EGFR* gene directly; off-target mechanisms, via alteration of another gene, eg, MET amplification, result in by-pass of the EGFR inhibitory activity of third-generation EGFR TKIs

Resistance mechanisms determine treatment approach

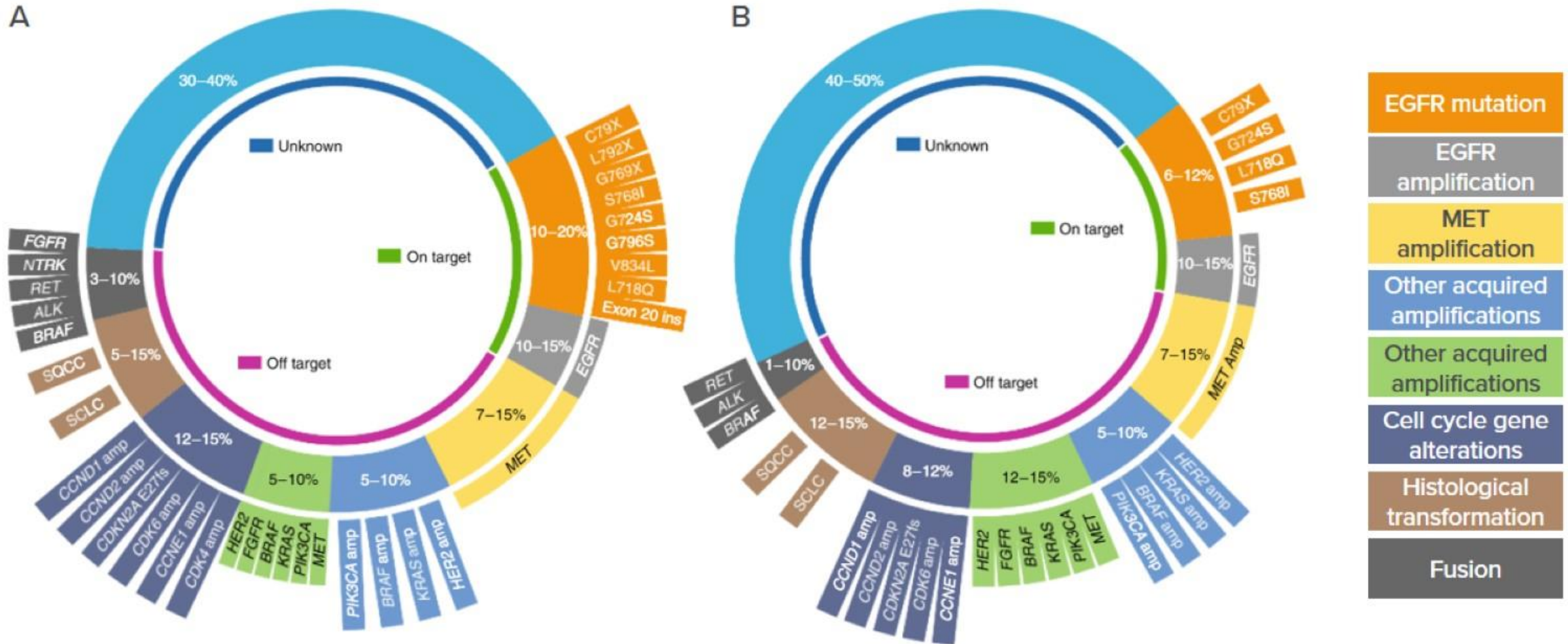
Different approaches to therapy selection and sequencing are being applied across different mechanisms of EGFR TKI resistance and evidence on efficacy is accumulating

Latest clinical data on overcoming resistance to EGFR TKIs have been presented at recent annual meetings

9 abstracts will be covered during this discussion

Biology of Resistance to Osimertinib

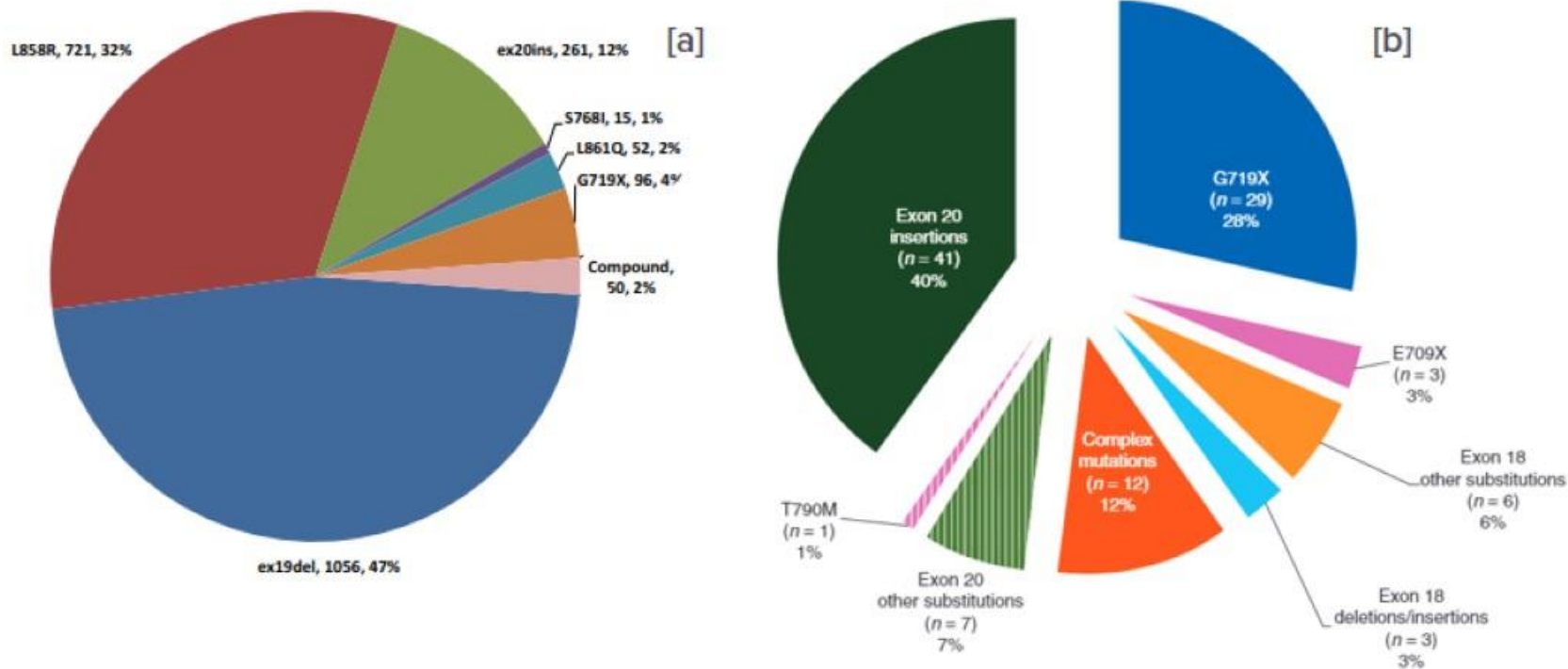
Resistance mechanisms arising after second-line (A) and first-line (B) osimertinib therapy



Acquired TKI Resistance: Presentations of Recent Data

EGFR/MET	HER3	MET	RET
▪ CHRYSALIS Phase 1, Amivantamab + Lazertinib^[a] ▪ CHRYSALIS-2 Phase 1/1b, Amivantamab + Lazertinib^[b]	▪ U31402-A-102 Phase 1, Patritumab deruxtecan (HER3-DXd)^[c]	▪ INSIGHT 2 Phase 2, tepotinib + osimertinib^[d]	▪ Case presentation, selpercatinib + osimertinib to overcome osimertinib resistance^[e]

EGFR Exon 20 Insertions Background



- *EGFR* exon 20 ins represent ~10% of *EGFR* mutation-positive NSCLC^[a,c]
- Third most common *EGFR* mutation subtype, after exon 19 del and L858R (in exon 21)
- Most *EGFR* exon 20 ins are activating but not sensitizing to traditional *EGFR* TKIs
- Conventional chemotherapy is a first-line option; more recently amivantamab specifically approved by FDA for this indication^[d]

Exon 20 TKI Resistance: Presentations of Recent Data

Amivantamab

- CHRYSLIS
Amivantamab in
EGFR exon 20 ins
population vs Real-
World treatments^[a]

Mobocertinib

- Phase1/2,
EXCLAIM and
platinum-pretreated
population cohorts^[b]

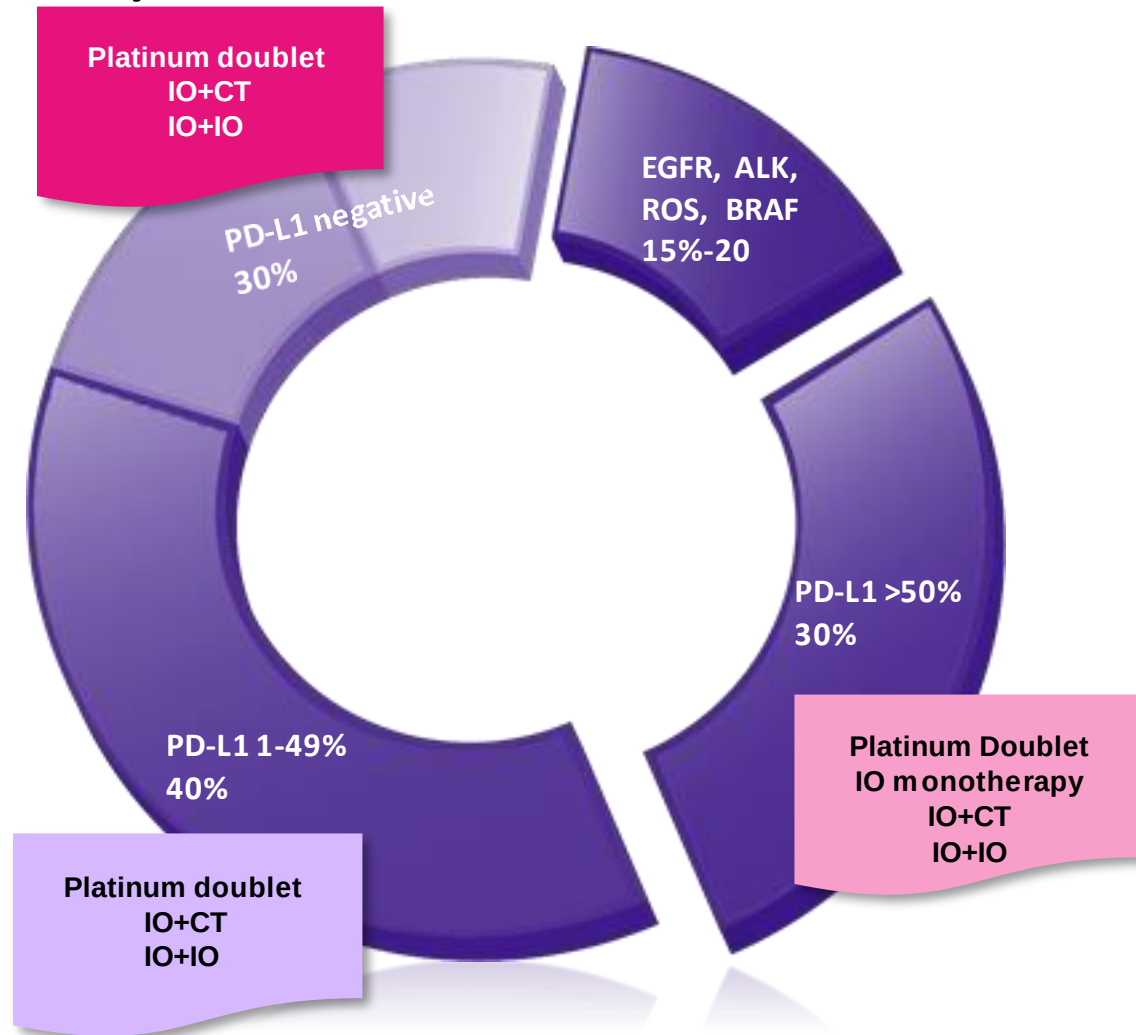
Poziotinib

- ZENITH20
Phase 2,
CNS activity of
poziotinib^[c]

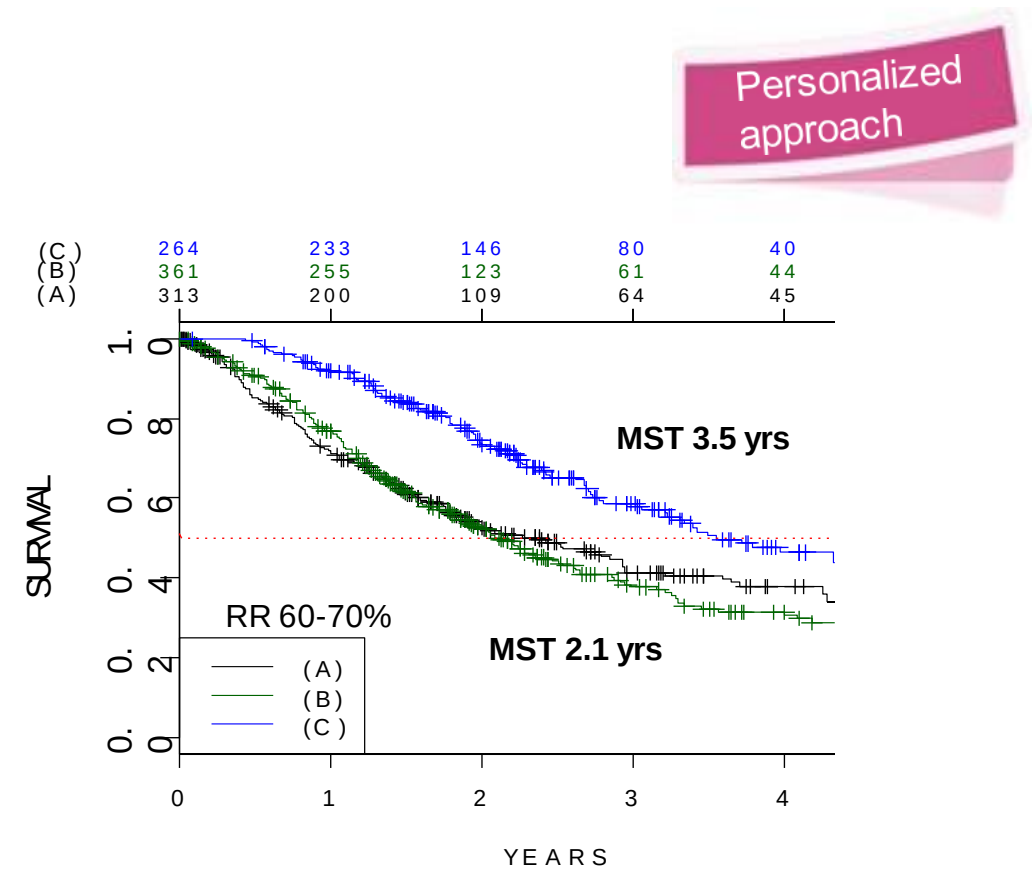
DZD9008

- WU-KONG1 and
WU-KONG2
Phase 1, preliminary
efficacy and safety
results^[d]

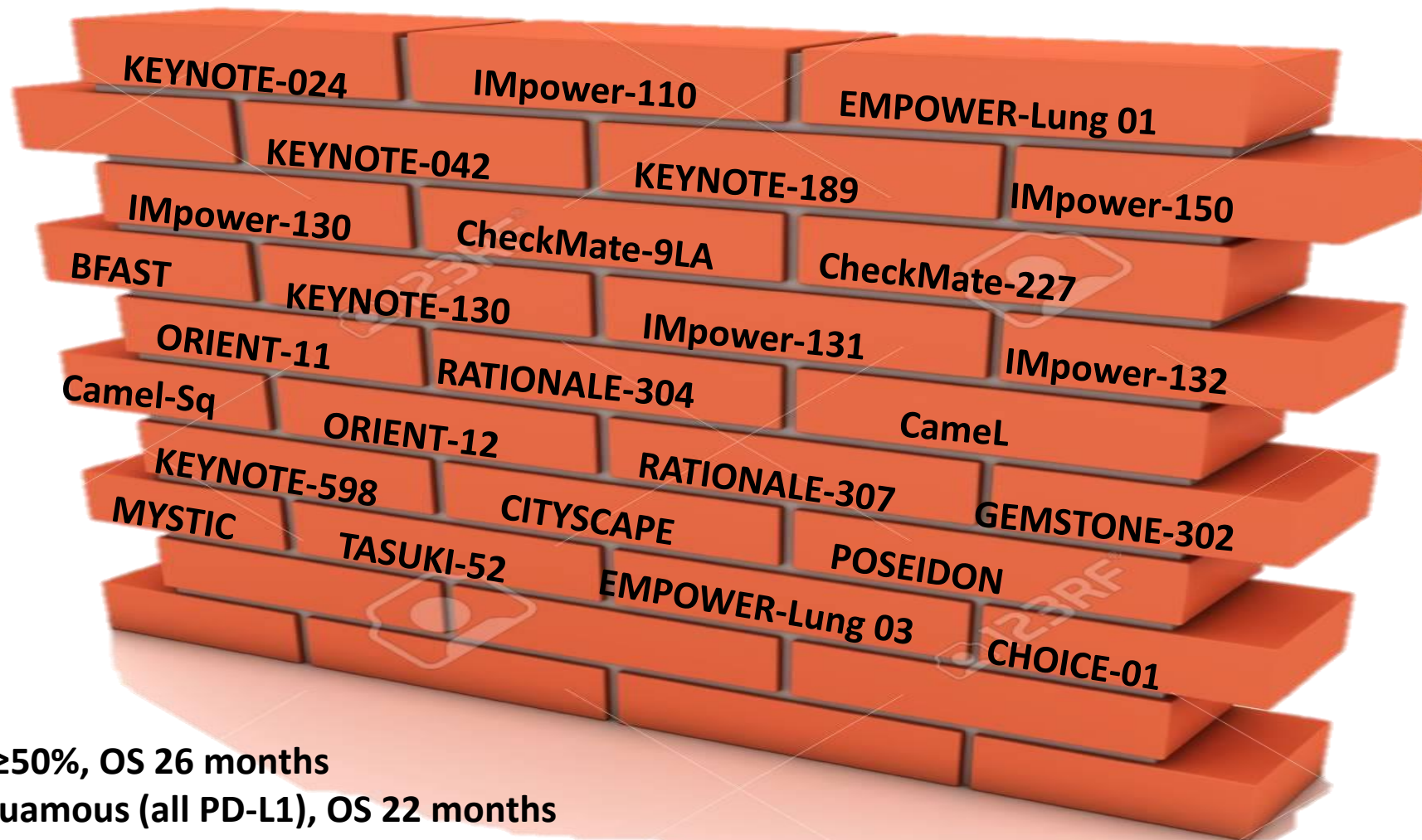
Where are we today...



12/17/2021



A solid wall, but It is not easy to decide.....



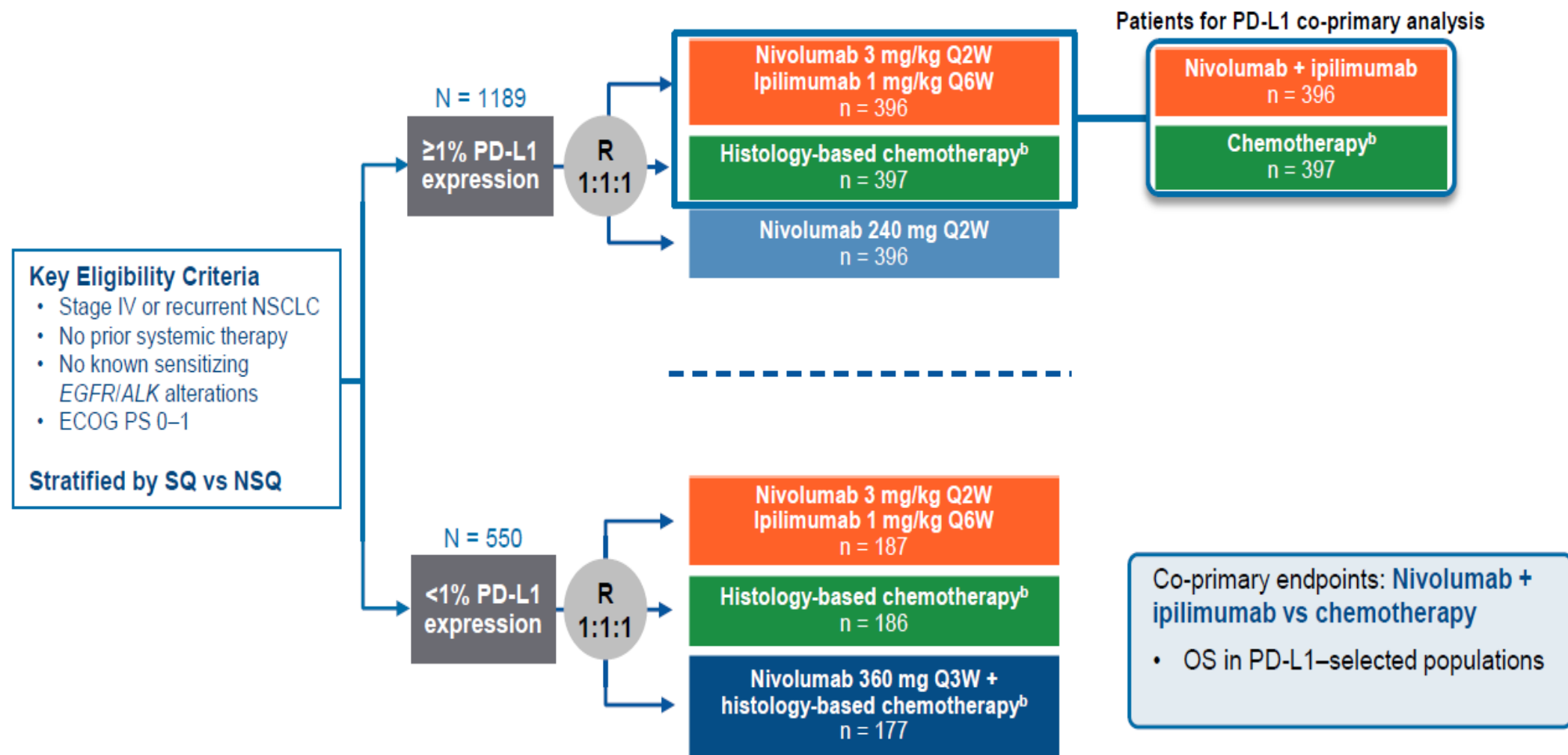
TODAY

PD-L1 $\geq$ 50%, OS 26 months

Non-Squamous (all PD-L1), OS 22 months

Squamous (all PD-L1), OS 17 months

CheckMate 227 Part 1 Study Design^a



Database lock: January 24, 2018; minimum follow-up: 11.2 months

^aNCT02477826 ^bNSQ: pemetrexed + cisplatin or carboplatin, Q3W for ≤ 4 cycles, with optional pemetrexed maintenance following chemotherapy or nivolumab + pemetrexed maintenance following nivolumab + chemotherapy; SQ: gemcitabine + cisplatin, or gemcitabine + carboplatin, Q3W for ≤ 4 cycles; ^cThe TMB co-primary analysis was conducted in the subset of patients randomized to nivolumab + ipilimumab or chemotherapy who had evaluable TMB ≥ 10 mut/Mb



CheckMate 9LA (NIVO + IPI + chemo vs chemo in 1L NSCLC): 2-year update

CheckMate 9LA study design^a

Key eligibility criteria

- Stage IV or recurrent NSCLC
- No prior systemic therapy
- No sensitizing *EGFR* mutations or known *ALK* alterations
- ECOG PS 0-1

Stratified by
PD-L1^b (< 1%^c vs ≥ 1%),
sex, and histology (SQ vs NSQ)

N = 719
R
1:1

n = 361

NIVO 360 mg Q3W + IPI 1 mg/kg Q6W
+
Chemo^d Q3W (2 cycles)

n = 358

Chemo^d Q3W (4 cycles)
with optional pemetrexed maintenance (NSQ)

Until disease progression,
unacceptable toxicity,
or for 2 years
for immunotherapy

Primary endpoint

- OS

Secondary endpoints

- PFS by BICR^e
- ORR by BICR^e
- Efficacy by tumor PD-L1 expression

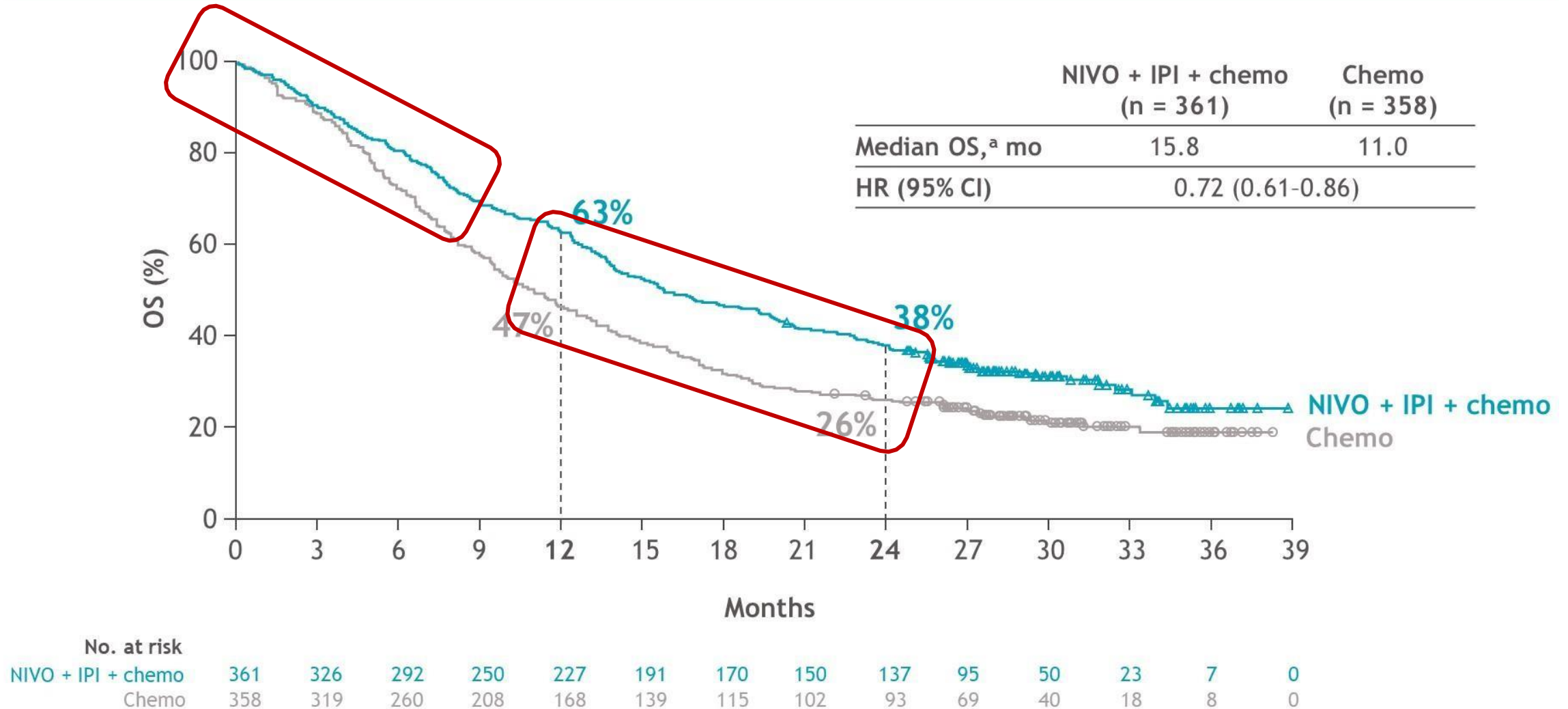
Exploratory endpoints

- Safety

DBL: February 18, 2021; minimum / median follow-up for OS: 24.4 months / 30.7 months.

^aNCT03215706; ^bDetermined by the PD-L1 IHC 28-8 pharmDx assay (Dako); ^cPatients unevaluable for PD-L1 were stratified to PD-L1 < 1% and capped to 10% of all randomized patients; ^dNSQ: pemetrexed + cisplatin or carboplatin; SQ: paclitaxel + carboplatin; ^eHierarchically statistically tested.

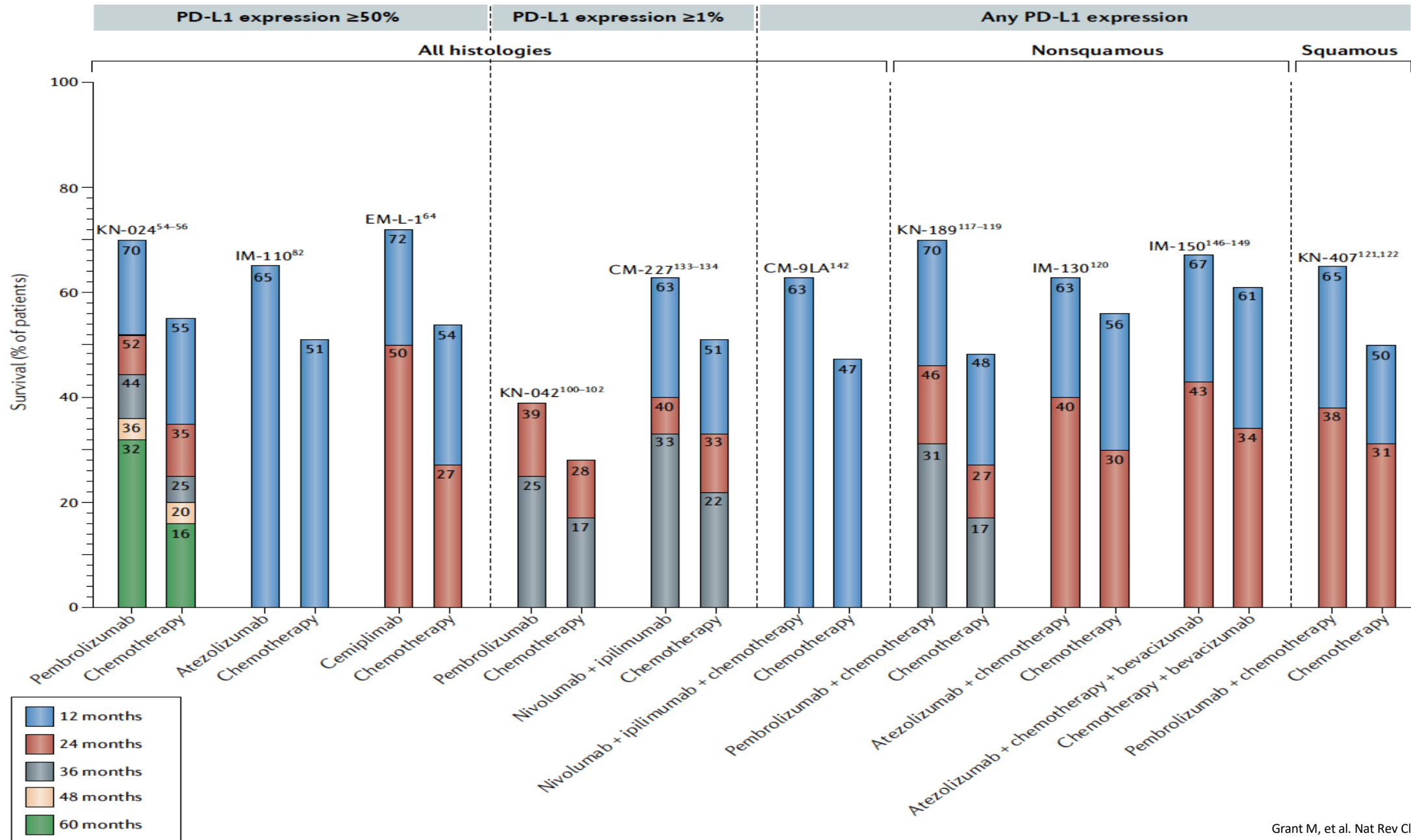
2-Year update: OS in all randomized patients



Minimum follow-up: 24.4 months.

^a95% CI = 13.9-19.7 (NIVO + IPI + chemo) and 9.5-12.7 (chemo).

WHAT WILL BE THE NEXT IMMUNOTHERAPY COMBINATION?

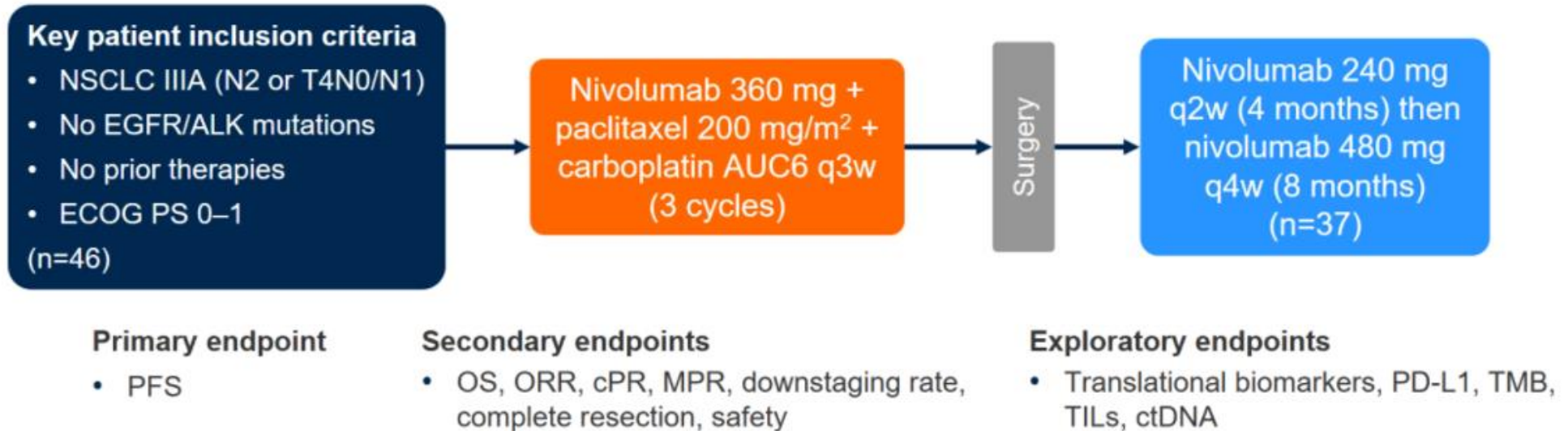


CÁNCER DE PULMÓN NO METASTÁSICO

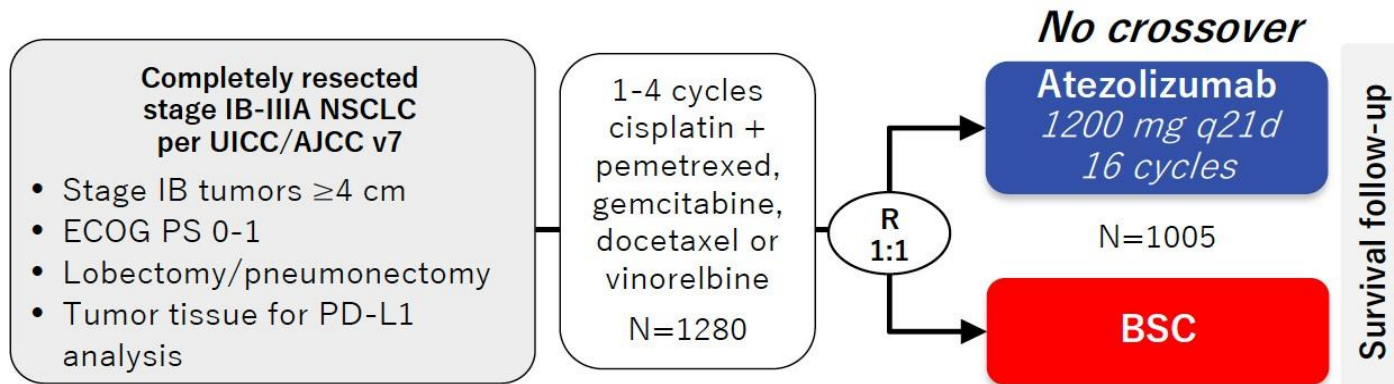
OA20.01: Long Term Survival in Operable Stage IIIa NSCLC Patients Treated With Neoadjuvant Nivolumab Plus Chemotherapy - NADIM Study – Provencio M, et al
OA20.02: Pre-Treatment Levels of ctDNA for Long-term Survival Prediction in Stage IIIA NSCLC Treated With Neoadjuvant Chemo-Immunotherapy – Romero A, et al

- **Study objective**

- To evaluate the efficacy and safety of neoadjuvant nivolumab + chemotherapy in patients with resectable stage IIIA NSCLC along with the prognostic value of pre-treatment levels of ctDNA in the phase 2 NADIM study



IMpower010: Characterization of Stage IB-IIIa NSCLC Patients by Type and Extent of Therapy Prior to Adjuvant IMpower010 study design



Stratification factors

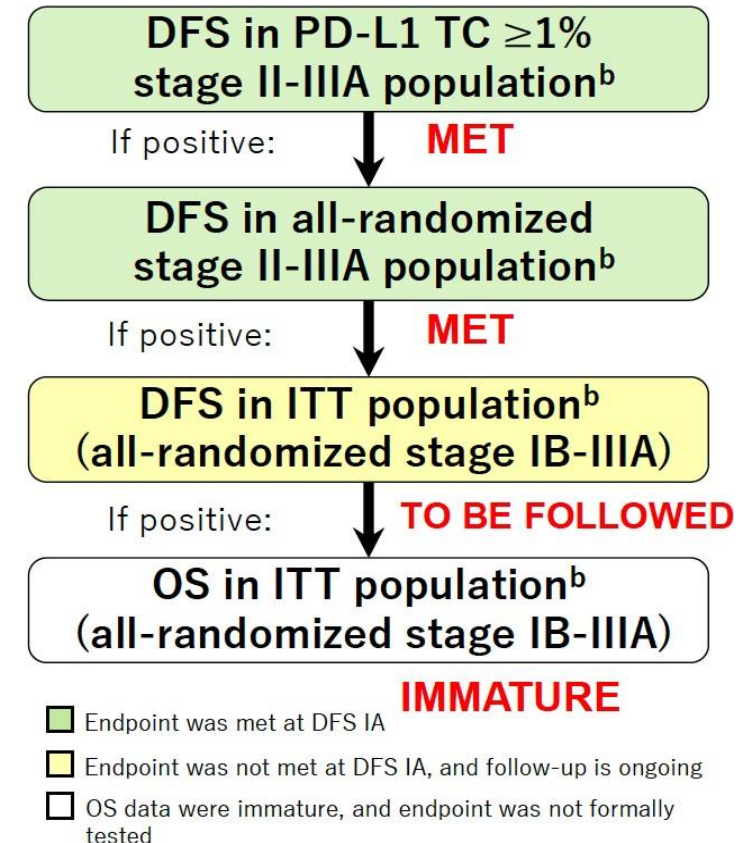
- Male vs female
- Stage (IB vs II vs IIIa)
- Histology
- PD-L1 tumor expression status^a: TC2/3 and any IC vs TC0/1 and IC2/3 vs TC0/1 and IC0/1

Primary endpoints

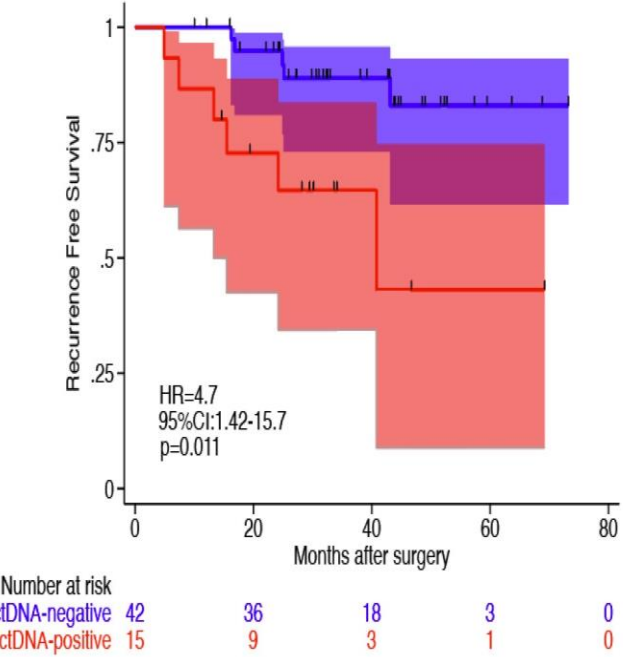
- Investigator-assessed DFS tested hierarchically:
 1. PD-L1 TC $\geq 1\%$ (SP263) stage II-IIIa population
 2. All-randomized stage II-IIIa population
 3. ITT (all-randomized stage IB-IIIa) population

Both arms included observation and regular scans for disease recurrence on the same schedule. IC, tumor-infiltrating immune cells. ^a Per SP142 assay. ^b Two-sided $\alpha=0.05$.

Hierarchical statistical testing



ctDNA detection pre-surgery associated with shorter RFS



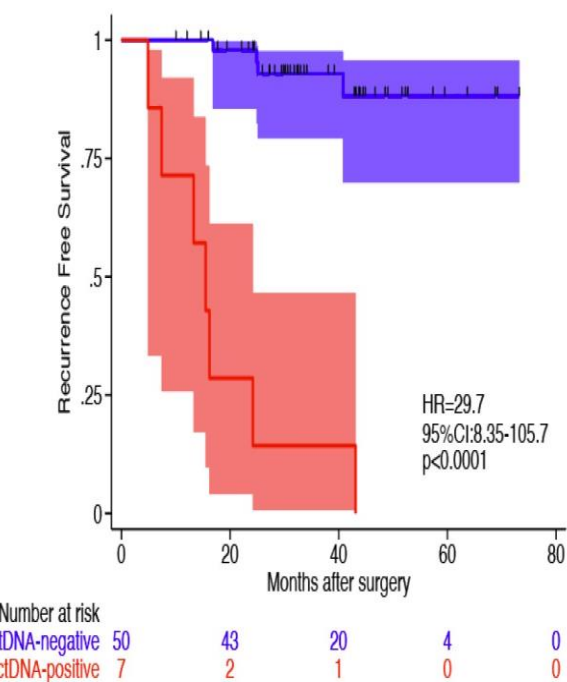
ctDNA status prior to surgery

ctDNA positivity pre-surgery also correlated with

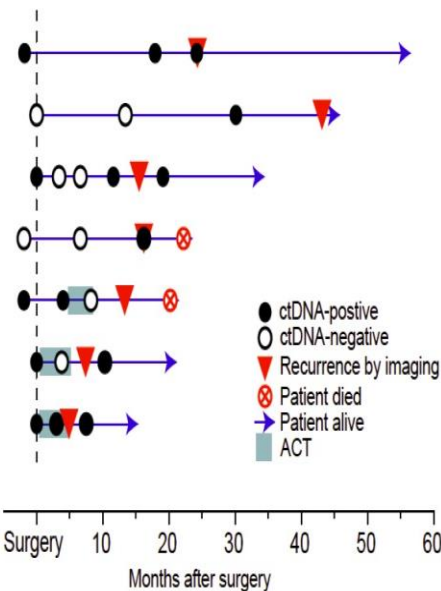
- Higher stage (p<0.0001)
- Lymph node positivity (p<0.0001)

Pre-surgery ctDNA+ (N=15)		N (%)
Stage		
I		7 (47)
II		2 (13)
III		6 (40)
Relapsed		7 (47)
No adjuvant therapy		3 out of 7

Longitudinal ctDNA+ preceded radiological recurrence



Longitudinal ctDNA monitoring



- Median lead time: 3.9 mths
- Longitudinal ctDNA negativity associated with favourable outcomes with NPV of 94% (45/49)

ctDNA positivity (baseline & longitudinal) was associated with relapse in early-stage NSCLC

Molecular recurrence (ctDNA) preceded radiological findings by a median of 3.9 months

INMUNE CELL PROFILES AS PREDICTORS OF SURVIVAL IN SURGICALLY TREATED NSCLC

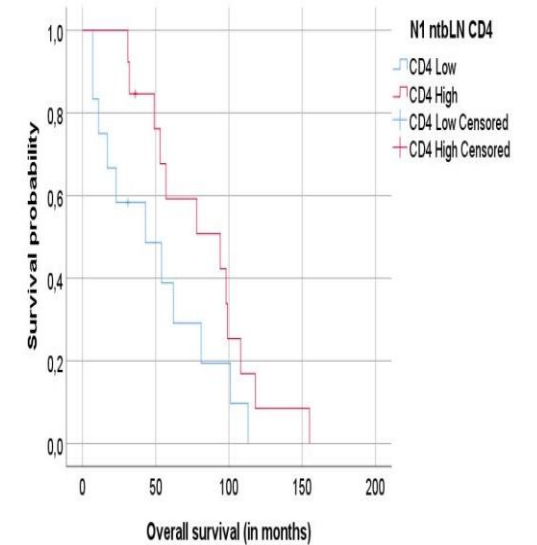
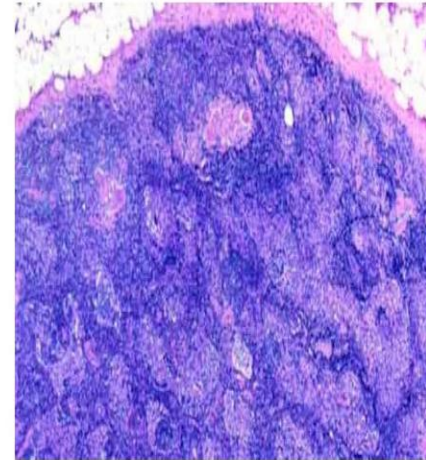
Methods & Outcomes

- Tissues collected:
 - Tumor
 - Affected lymph nodes
 - Unaffected N1 lymph nodes
 - Unaffected N2 lymph nodes
- Investigation of morphology and gene expression analysis
- Outcomes: OS and/or PFS



Source: <https://www.minimed.at/medizinische-themen/krebs/ungenkrebs/>

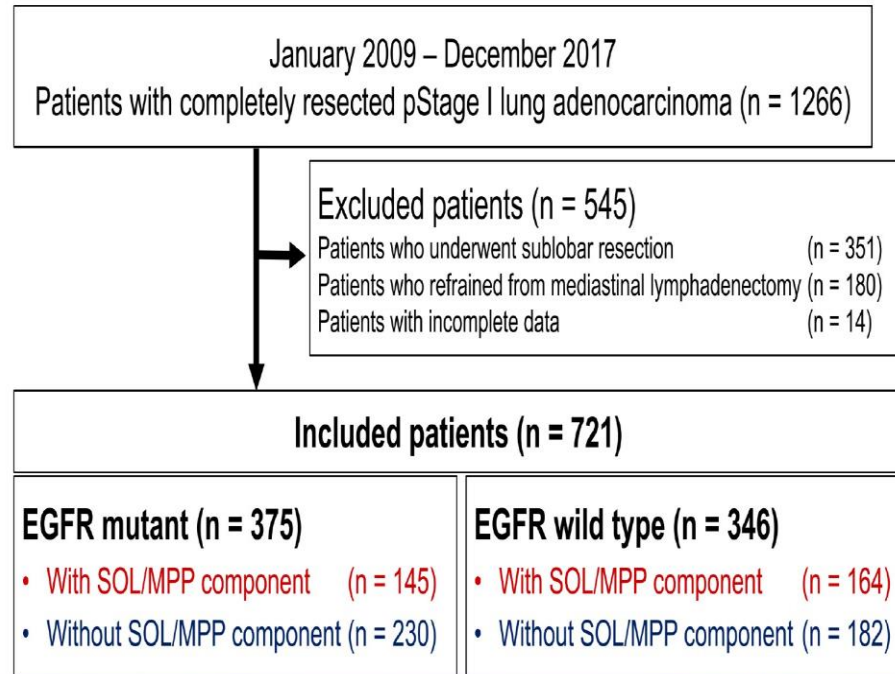
Results



- Sinus histiocytosis and TiL density are associated with PFS and OS, respectively
- CD4 expression in N1 and N2 lymph nodes is associated with PFS and OS, respectively

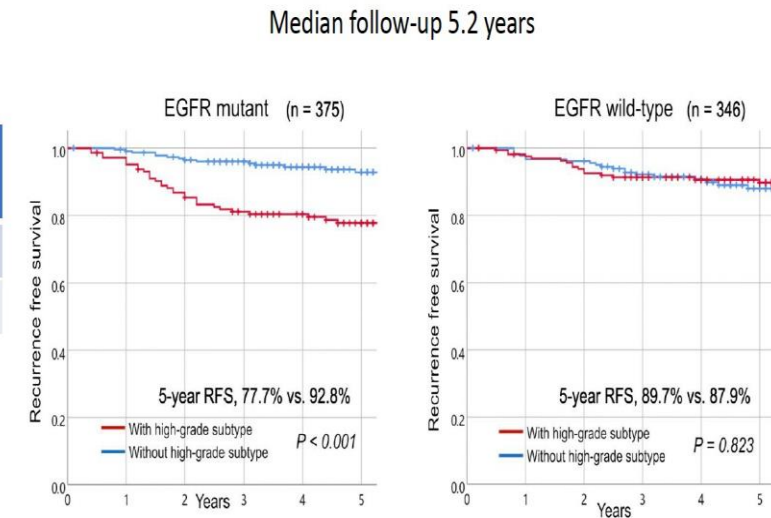
Presence of High-Grade Subtype Predicts Recurrence of Stage I Lung Adenocarcinoma Only in EGFR-Mutated Patients

- The OS and RFS of 721 patients with pStage I lung Ad were compared according to EGFR mutation status and presence of > 5% high-grade subtype (solid or micropapillary) component.



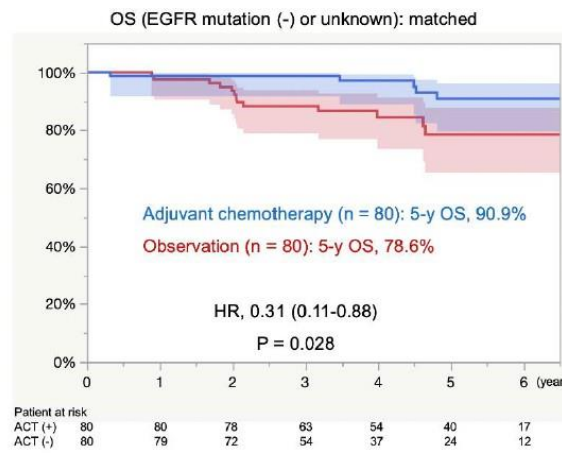
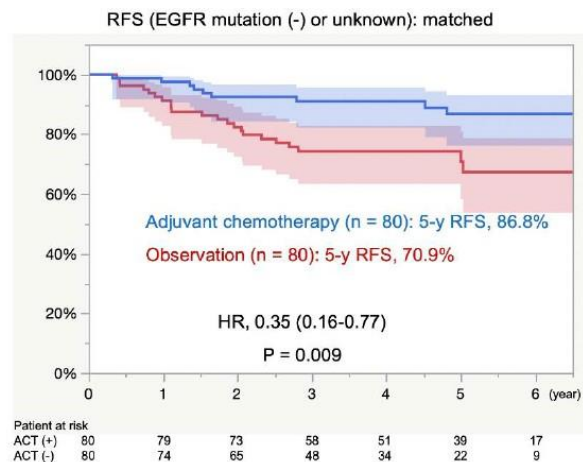
‘High-grade’ subtype associated with worse RFS in pathological stage I, but only in *EGFR*-mutated subgroup

>5% SOL/MPP N=721	EGFR-Mt N=375 (52%)	EGFR-Wt N=346 (48%)
+	N=145 (39%)	N=164 (47%)
-	N=230 (61%)	N=182 (53%)



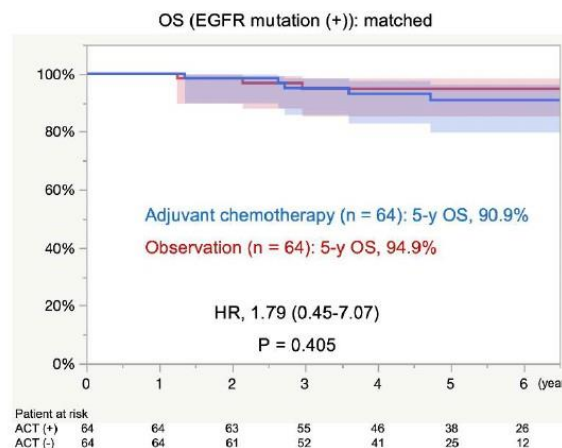
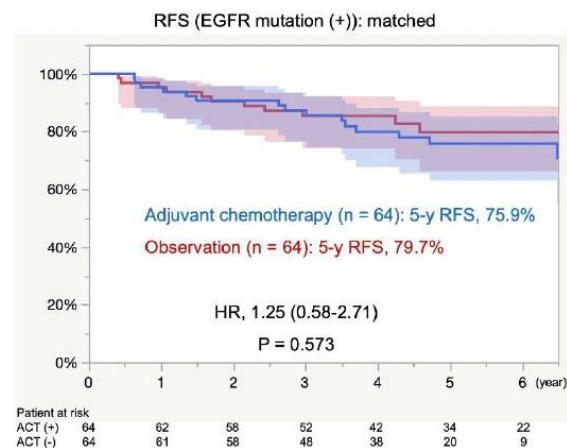
- The combination of EGFR mutation and the presence of high-grade subtype predicted recurrence in stage I lung adenocarcinoma.
- Histological subtypes, should be considered when evaluating the risk of recurrence in patients with EGFR-mutated lung adenocarcinoma.

**EGFR
wildtype/?**



**RFS and OS superior with
adjuvant chemotherapy**

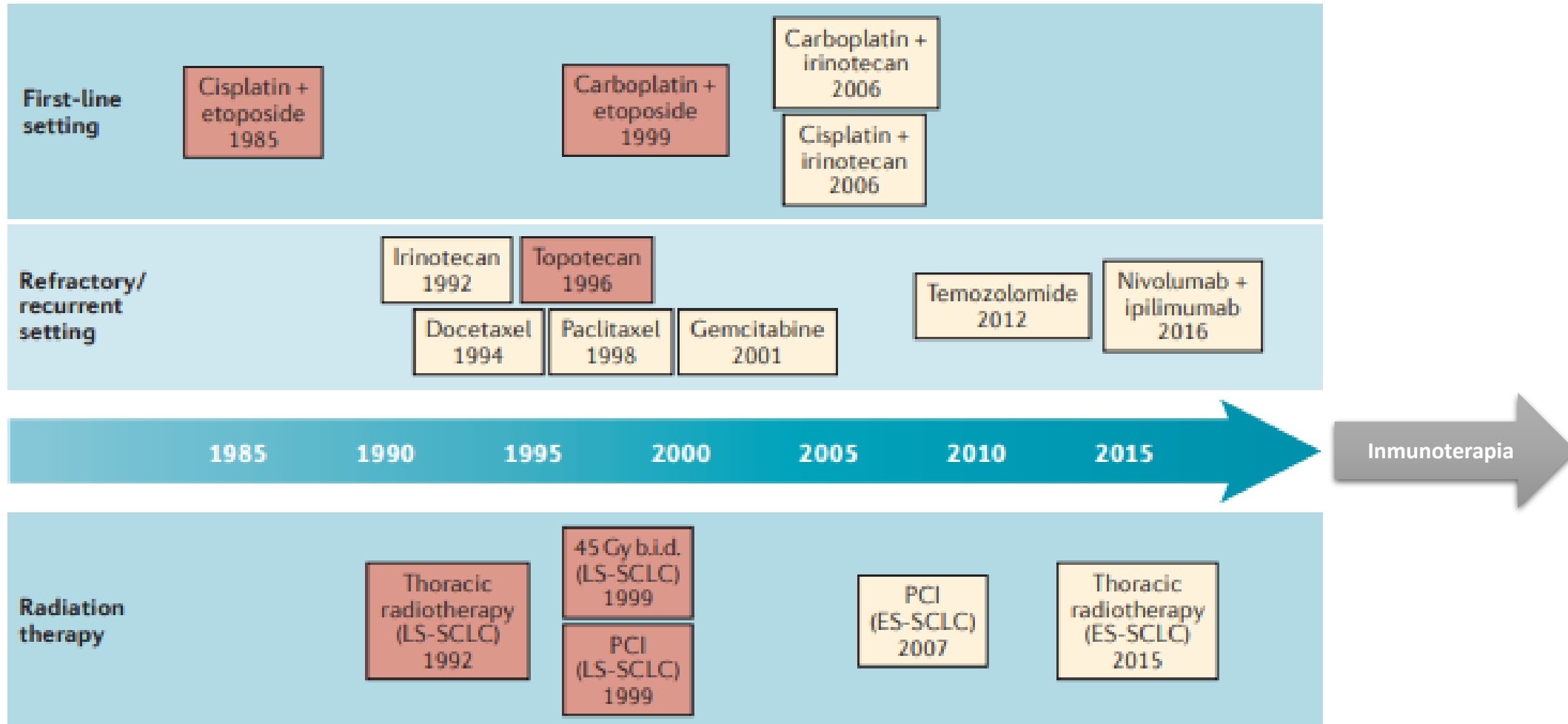
**EGFR
mutant**



**RFS and OS not different with or
without adjuvant chemotherapy**

- The role of adjuvant chemotherapy for high-risk stage I lung adenocarcinoma was different by the EGFR mutation status.
- EGFR mutation status should be tested in patients with high-risk stage I lung adenocarcinoma to decide the application of adjuvant chemotherapy.

SCLC Pocos avances...



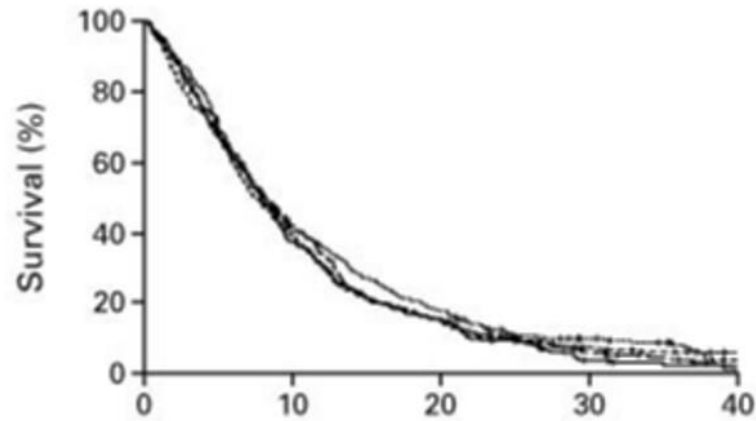
La inmunoterapia ha permitido (junto a la terapia dirigida) mejorar la supervivencia en el NSCLC avanzado

2002

2010s

2020s

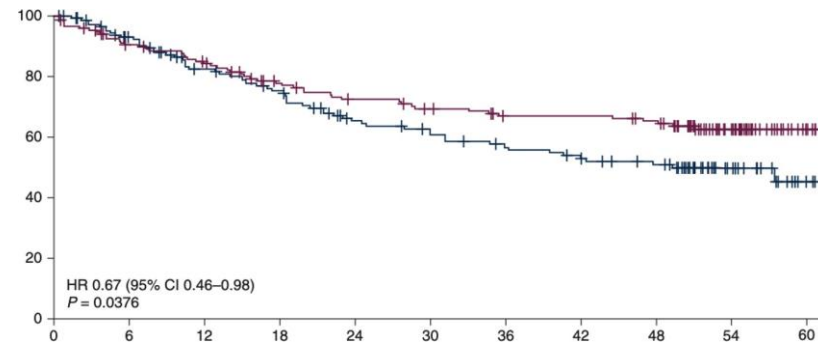
QUIMIOTERAPIA



mOS 16.9m
SG a 5 años <10%

Schiller NEJM 2002

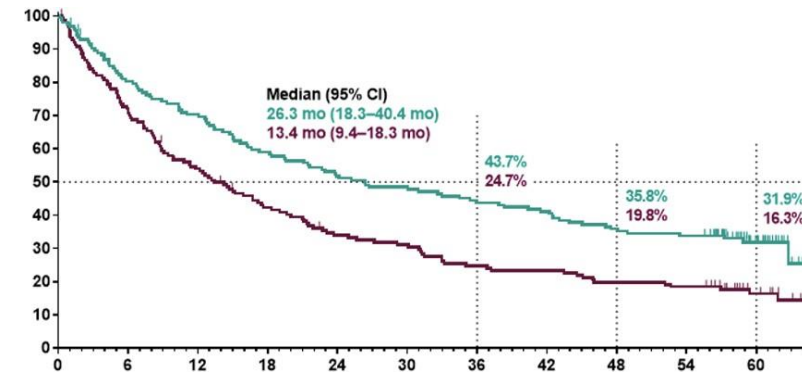
TERAPIA DIRIGIDA



Alectinib
SG a 5 años 62.5%

Mok Ann Oncol 2020

INMUNOTERAPIA



KEYNOTE-024
SG a 5 años 32%

Reck JCO 2020

¿Estamos doblando la curva?

The NEW ENGLAND JOURNAL of MEDICINE

ORIGINAL ARTICLE

The Effect of Advances in Lung-Cancer Treatment on Population Mortality

Nadia Howlader, Ph.D., Gonçalo Forjaz, D.V.M., Meghan J. Mooradian, M.D.,

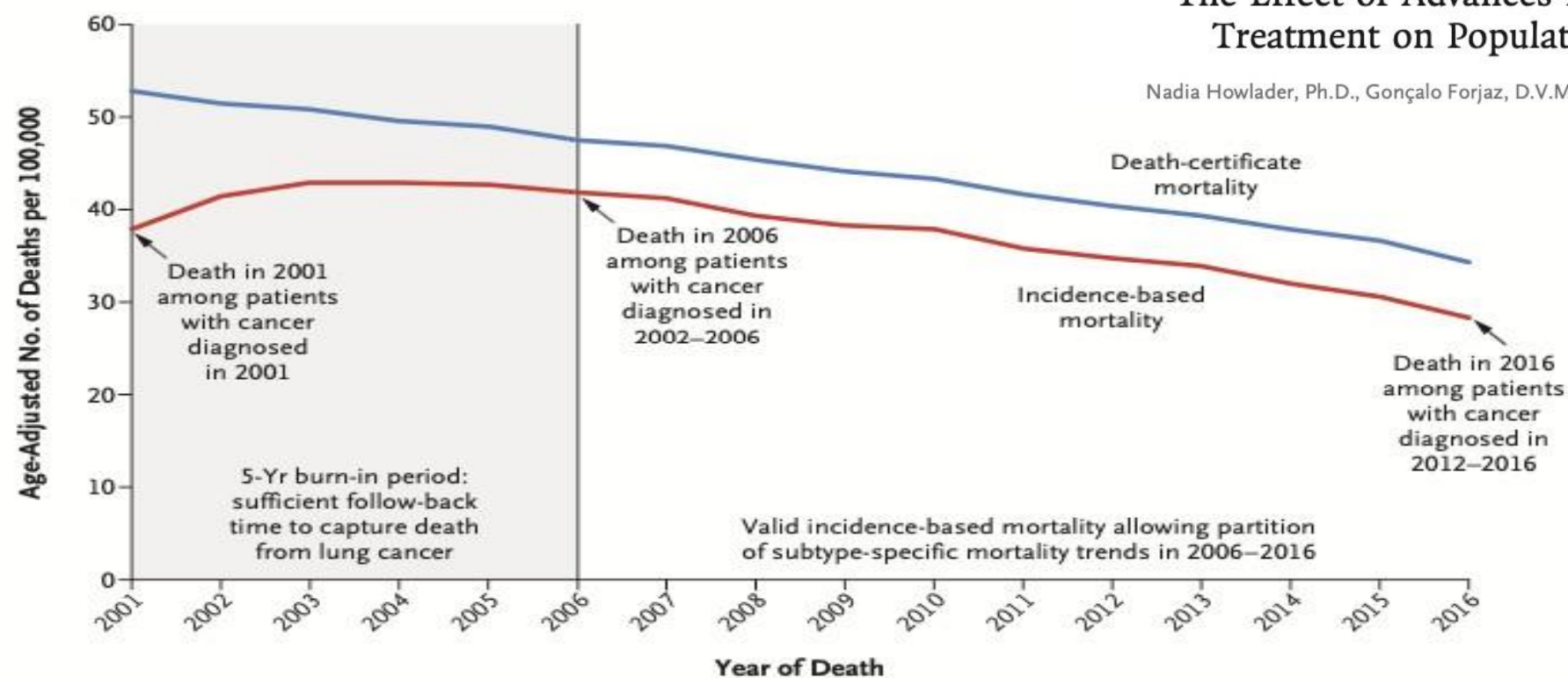


Figure 1. Mortality Estimates Based on Data from Death Certificates and on Incidence among Patients with Lung or Bronchus Cancer.