



ATLANTA LUNG CANCER SYMPOSIUM

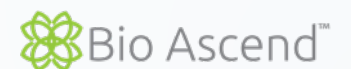
Locally Advanced NSCLC: Role of IO and Emerging Advances

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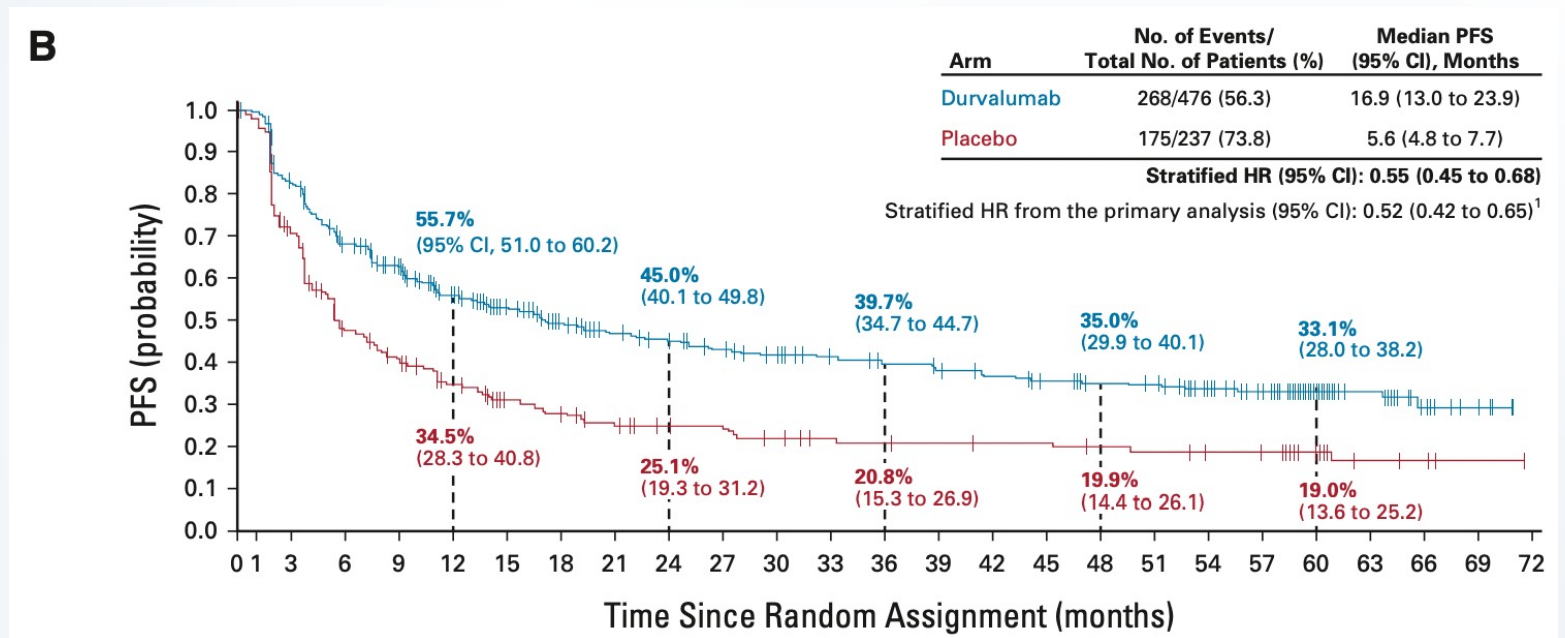
Introduction

- Stage III lung cancer includes a heterogeneous group of patients with significant differences in terms of tumor volume, local invasion, and lymph node involvement.
- For this reason, multimodal evaluation and treatment, including consideration of surgery, radiotherapy, and systemic treatments are key.

	N0	N1	N2 SINGLE	N2 MULTI	N2 BULKY	N2 INVASIVE	N3
T1-2	NOT STAGE III DISEASE	NOT STAGE III DISEASE	POTENTIALLY RESECTABLE	?	UNRESECTABLE ²	UNRESECTABLE	UNRESECTABLE
T3 size	NOT STAGE III DISEASE	RESECTABLE	POTENTIALLY RESECTABLE	?	UNRESECTABLE	UNRESECTABLE	
T3 satellite	NOT STAGE III DISEASE	POTENTIALLY RESECTABLE	POTENTIALLY RESECTABLE	?	UNRESECTABLE	UNRESECTABLE	
T3 invasion	NOT STAGE III DISEASE	POTENTIALLY RESECTABLE	? ¹	?	UNRESECTABLE	UNRESECTABLE	
T4 size	POTENTIALLY RESECTABLE	POTENTIALLY RESECTABLE	?	UNRESECTABLE ²	UNRESECTABLE	UNRESECTABLE	
T4 satellite	POTENTIALLY RESECTABLE	? ¹	?	UNRESECTABLE	UNRESECTABLE	UNRESECTABLE	
T4 invasion	? ¹	? ¹	?	UNRESECTABLE	UNRESECTABLE	UNRESECTABLE	

PACIFIC 5 Year Overall Survival Data

- The PACIFIC trial demonstrated significant improvement in PFS and OS with consolidation durvalumab in stage III unresectable NSCLC.
- The estimated 5-year OS rate was 42.9% with durvalumab vs. 33.4% with placebo



Spigel DR et al. 2021 ASCO Annual Meeting. Abstract 8511. Spigel DR et al. *J Clin Oncol*. 2022;40(12):1301-1311.



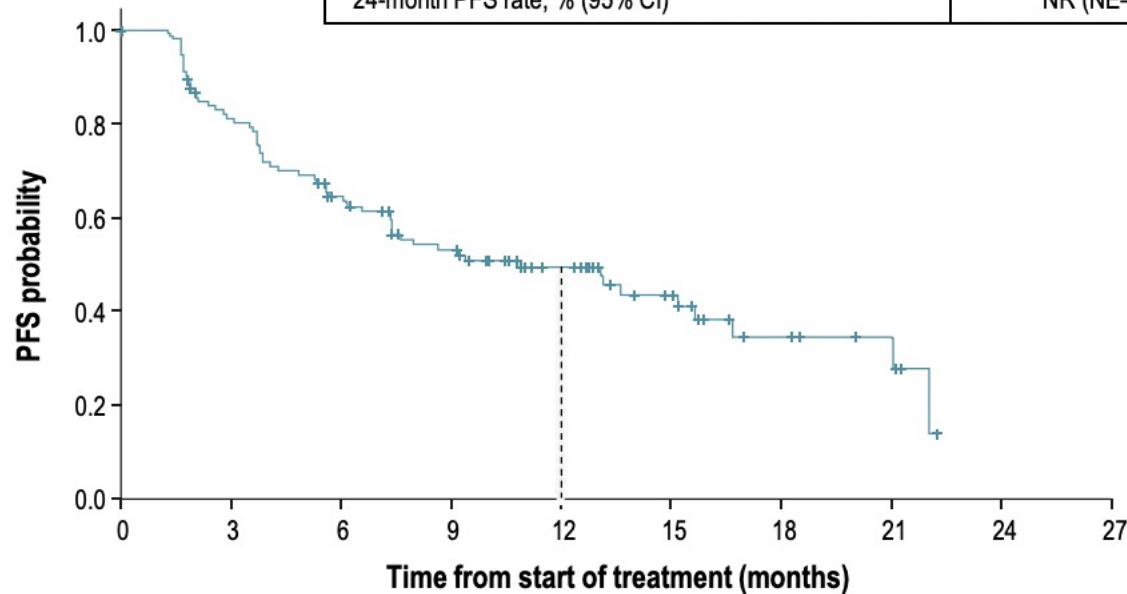
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Durvalumab After Sequential Chemoradiotherapy in Stage III, Unresectable NSCLC: The Phase 2 PACIFIC-6 Trial

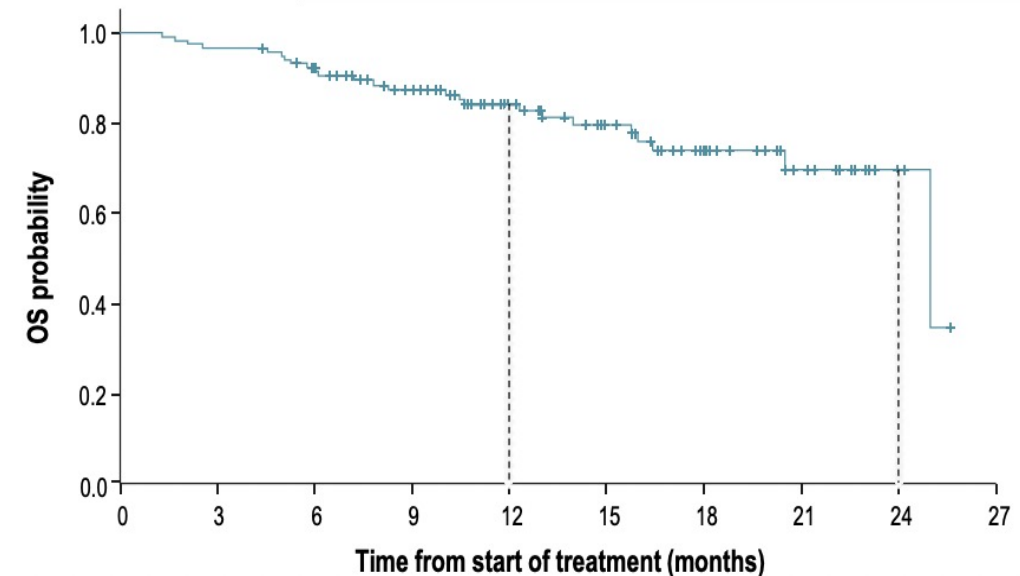
A

All patients (N = 117)	
Total progression events, n (%)	61 (52.1)
Median PFS, months (95% CI)	10.9 (7.3–15.6)
12-month PFS rate, % (95% CI)	49.6 (39.5–58.9)
24-month PFS rate, % (95% CI)	NR (NE–NE)



B

All patients (N = 117)	
Deaths, n (%)	25 (21.4)
Median OS, months (95% CI)	25.0 (25.0–NE)
12-month OS rate, % (95% CI)	84.1 (75.6–89.9)
24-month OS rate, % (95% CI)	69.8 (55.8–80.2)



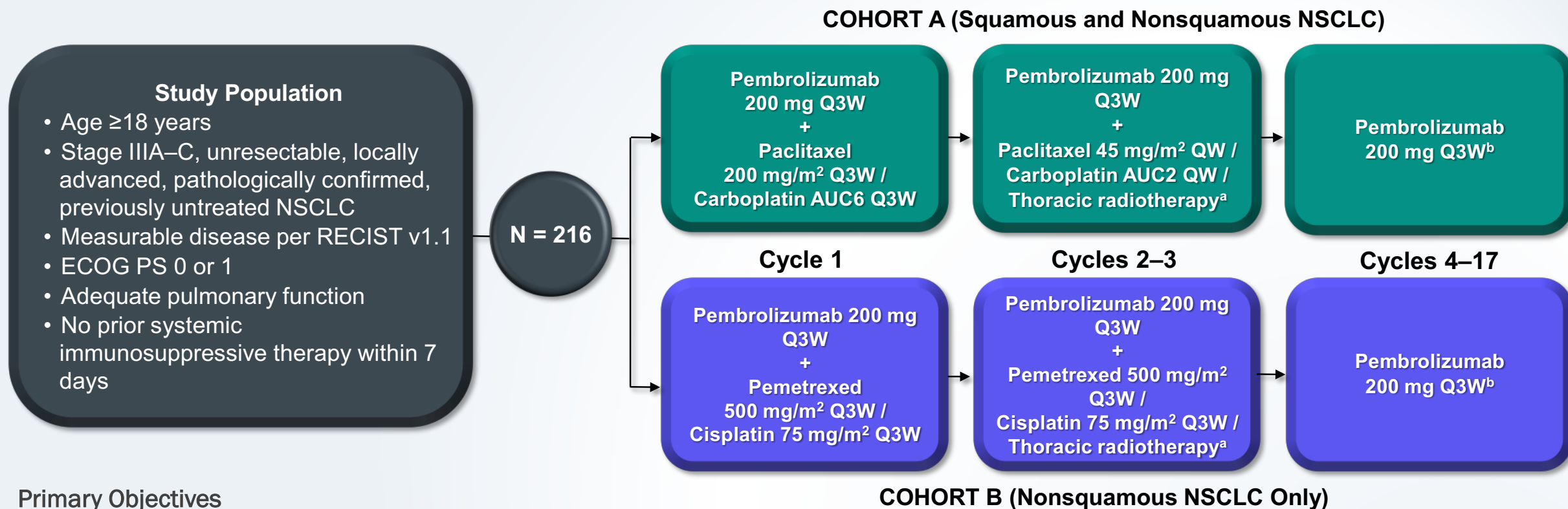
Garassino et al, JTO 2022



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KEYNOTE-799 (NCT03631784) Study Design



Primary Objectives

- ORR per RECIST v1.1 by BICR
- Proportion of patients with grade ≥3 pneumonitis^c

Secondary Objectives

- PFS per RECIST v1.1 by BICR, OS, and safety

Statistical Analysis Details

- Efficacy and safety assessed in all patients as-treated

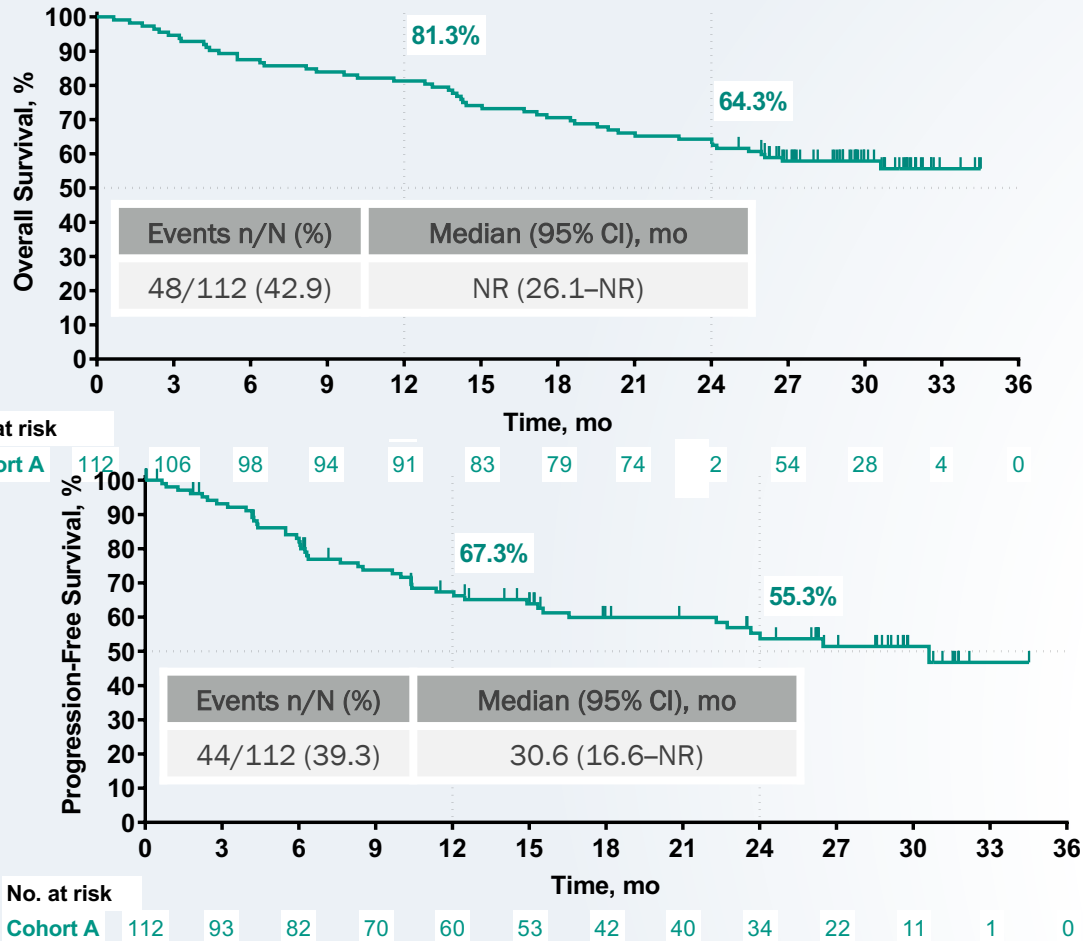


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Progression-Free Survival and Overall Survival

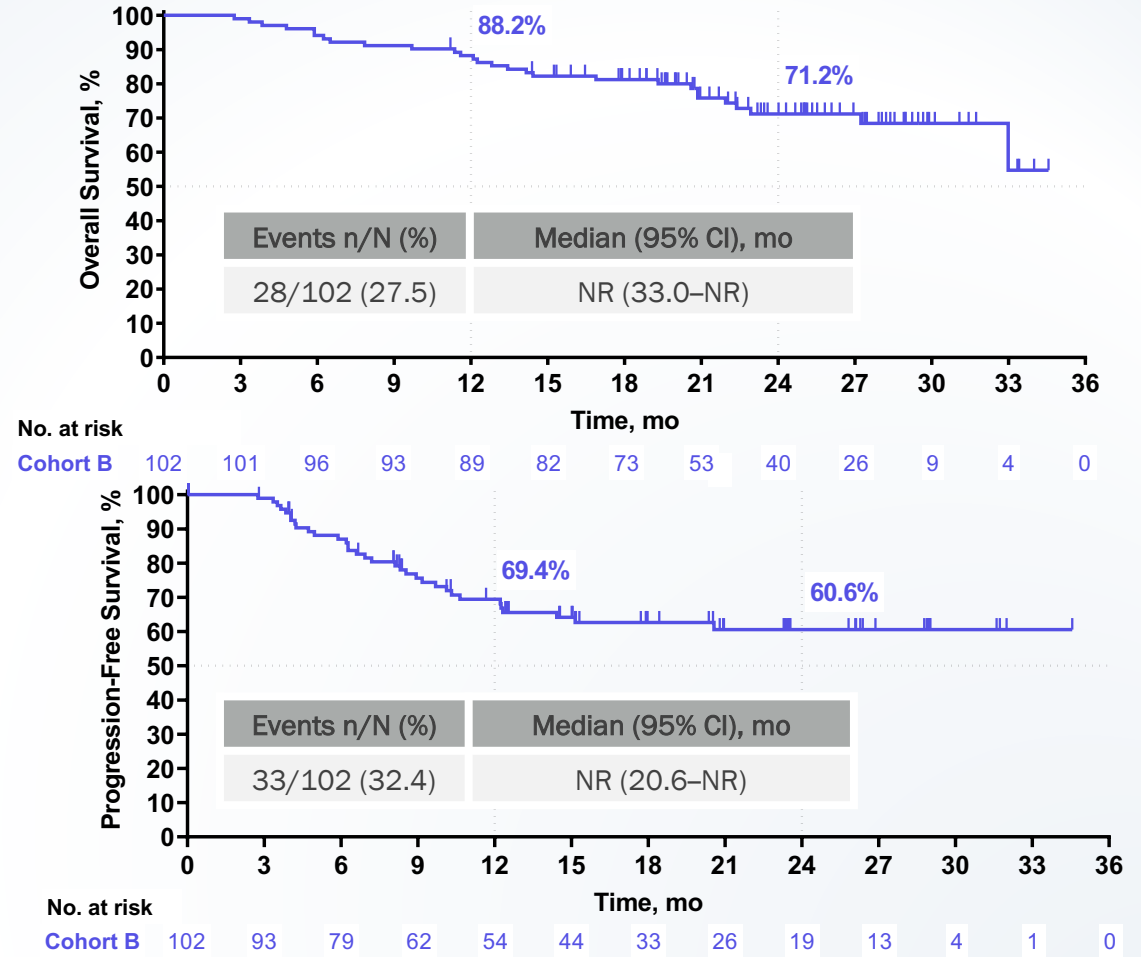
Cohort A

(squamous and nonsquamous histology)



Cohort B

(nonsquamous histology only)



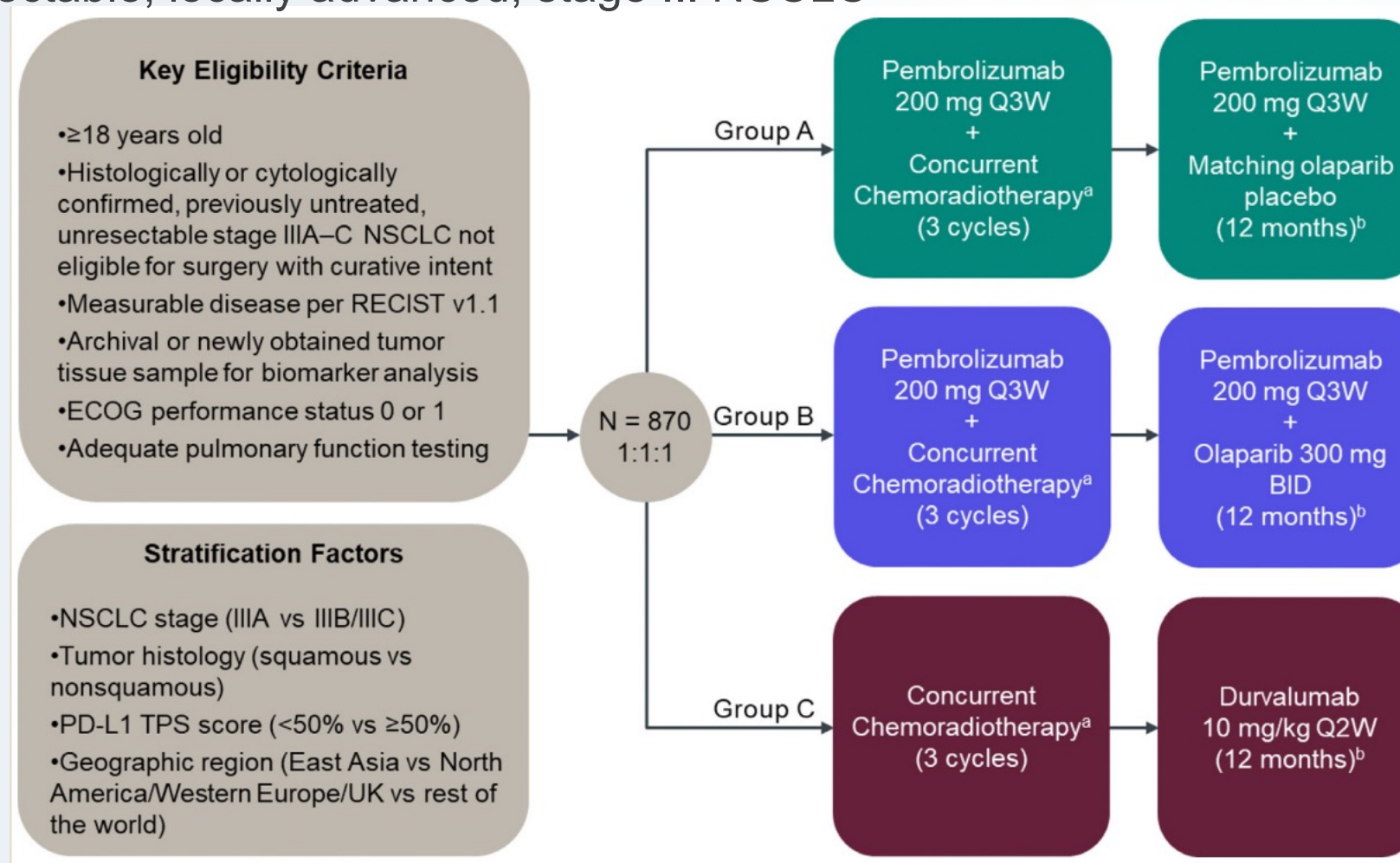
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Jabbour et al, ASTRO annual meeting 2022



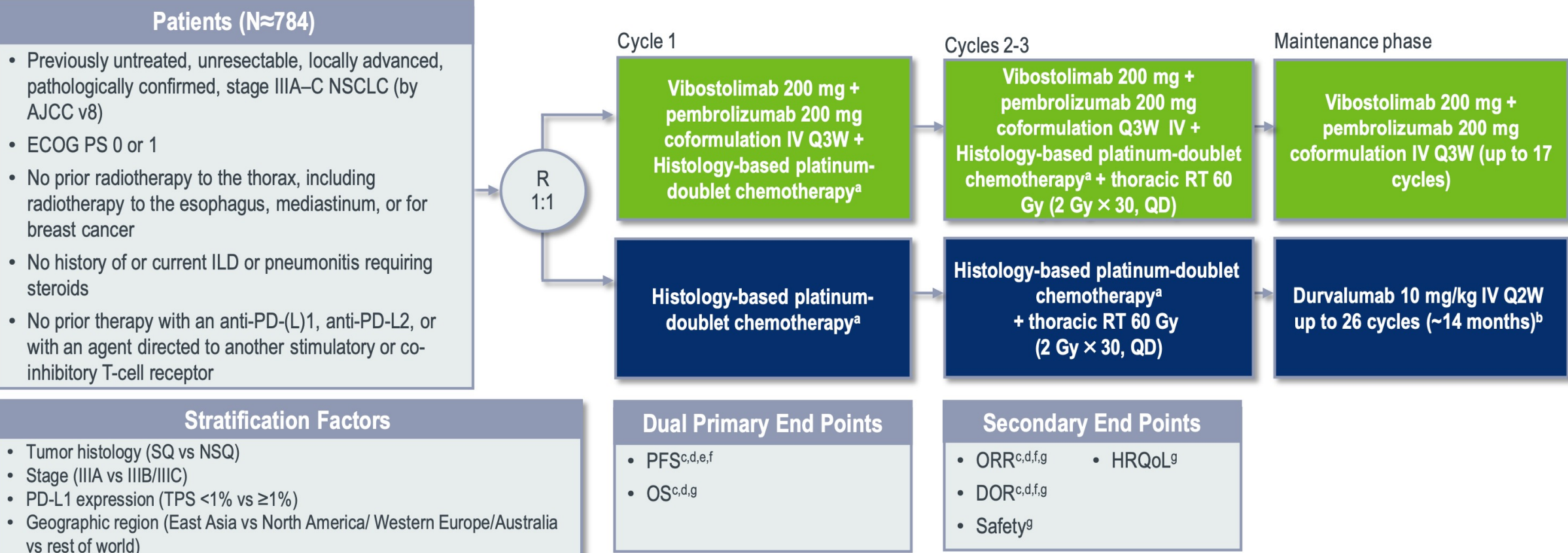
KEYLINK-012: Study design

Phase 3, randomized, double-blind, placebo-controlled study of pembrolizumab in combination with concurrent CRT followed by pembrolizumab ± olaparib vs CCRT followed by durvalumab in patients with unresectable, locally advanced, stage III NSCLC



KEYVIBE-006

Phase 3, randomized, open-label study evaluating vibostolimab + pembrolizumab coformulation + CCRT vs CCRT followed by durvalumab in patients with unresectable, locally advanced, stage III NSCLC

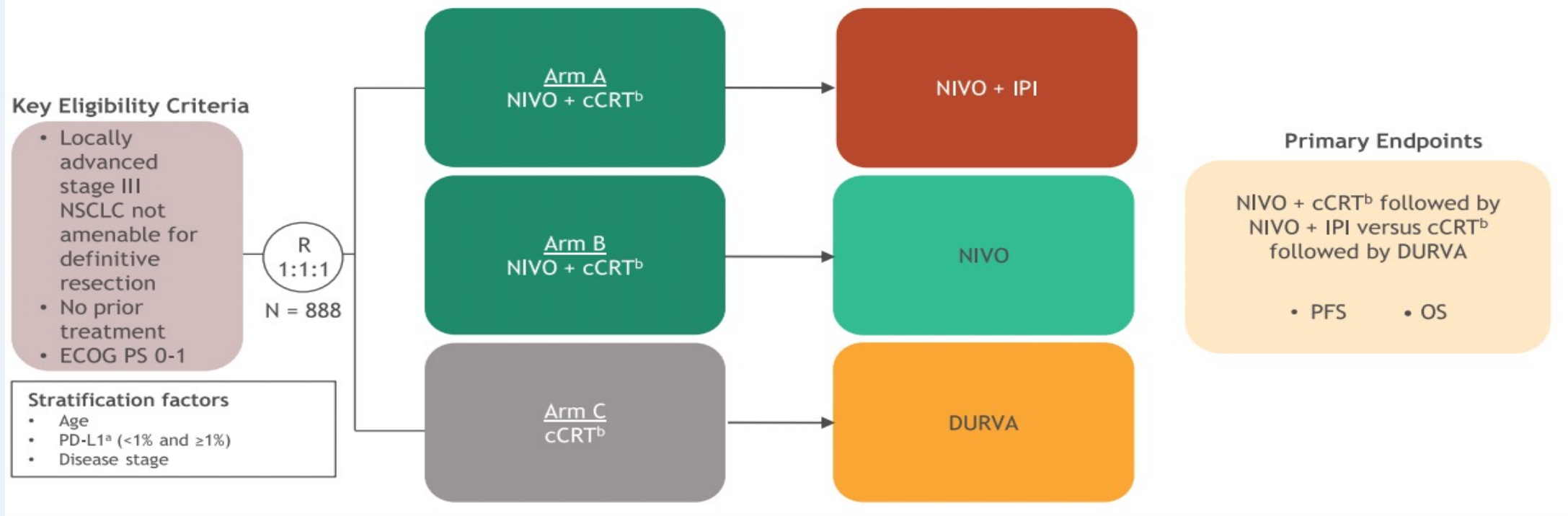


Estimated primary completion: September 1, 2028^h

^aNonsquamous histology only: cisplatin 75 mg/m² and pemetrexed 500 mg/m² (D1 of Cycles 1-3); cisplatin 50 mg/m² (D1, D8 of Cycles 1-2 and D8, D15 of Cycle 3) and etoposide 50 mg/m² (D1-5 of Cycles 1-2 and D8-12 of Cycle 3); carboplatin AUC 6 mg/mL/min (D1 of Cycle 1) and AUC 2 mg/mL/min (D1, D8, D15 of Cycles 2-3) and paclitaxel 200 mg/m² (D1 of Cycle 1) and 45 mg/m² (D1, D8, D15 of Cycles 2-3). ^b 1 cycle is 14 days and all other cycles are 21-day cycles. ^c In all patients. ^d In patients with PD-L1 ≥1%. ^e Up to approximately 55 months. ^f Assessed per RECIST v1.1 by BICR. ^g Up to approximately 75 months. ^h Subject to change

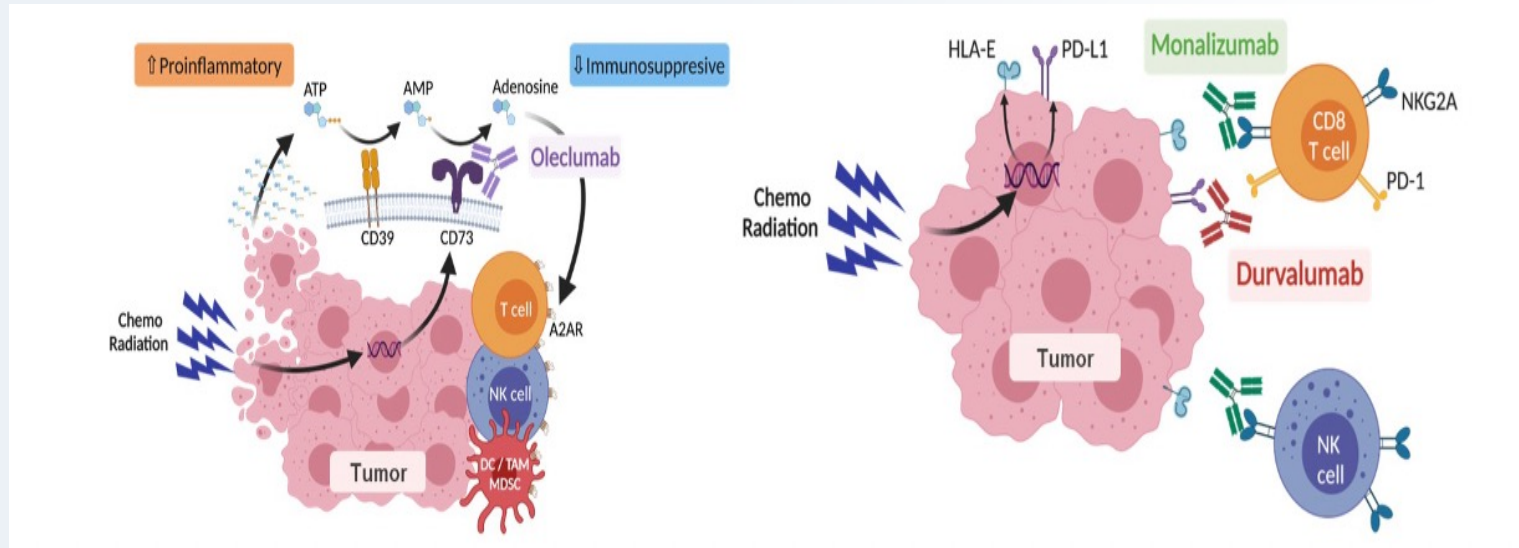
CheckMate 73L

Study Design



- Press release:
Nivolumab Combo Does Not Meet PFS End Point in Unresectable NSCLC

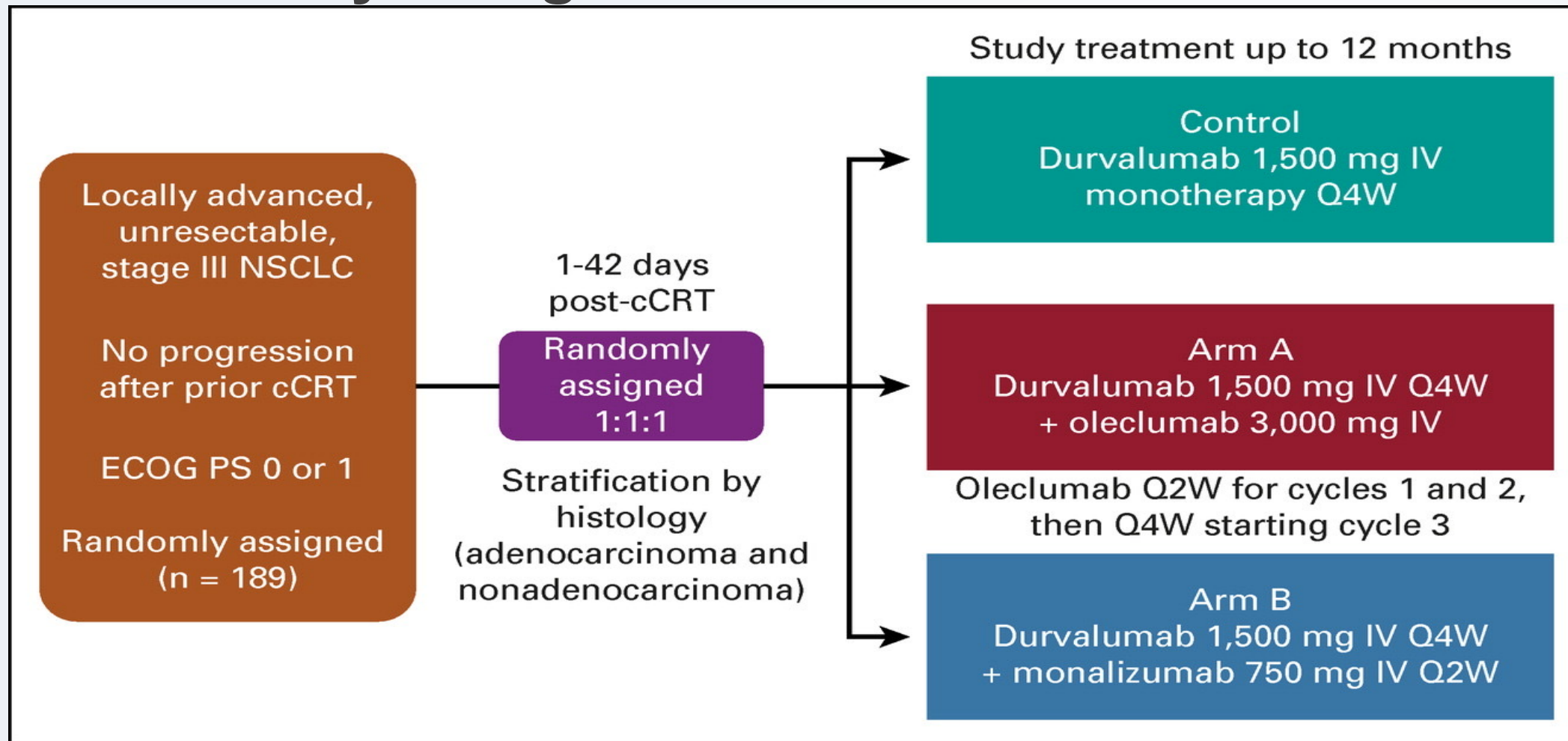
Rationale for COAST study: Phase II study of durvalumab alone or combined with oleclumab or monalizumab



- RT increases tumor expression of CD73, HLA-E (NKG2A ligand) and PD-L1
- In pre-clinical models, the combination of RT and CD73 or NKG2A inhibitors (+/- PD-L1 inhibitors) showed increased anti-tumor activity.

Battaglia et al. J Immunol 2020; Gong et al. JTO 2017; Tsukui et al. BMC Cancer 2020; Wennerberg et al. Cancer Immunol Res 2020.

COAST: Study Design



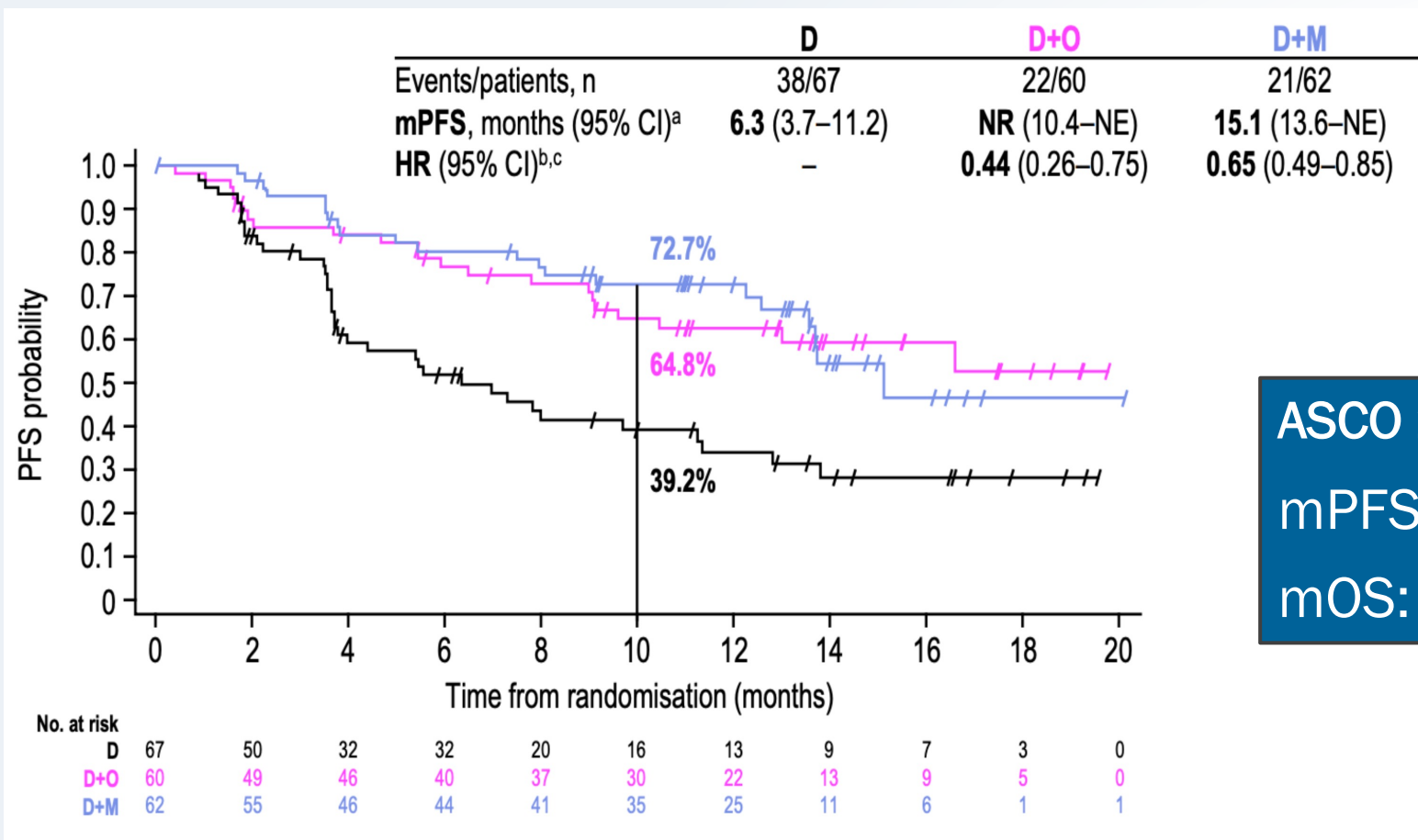
Herbst RS et al. *J Clin Oncol*. 2022; 40(29):3383-3393.



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COAST: Efficacy



ASCO 2024 update

mPFS: D 7.3 D+O 29.9 D+M 23

mOS: D 40.9 D+O NR D+M NR

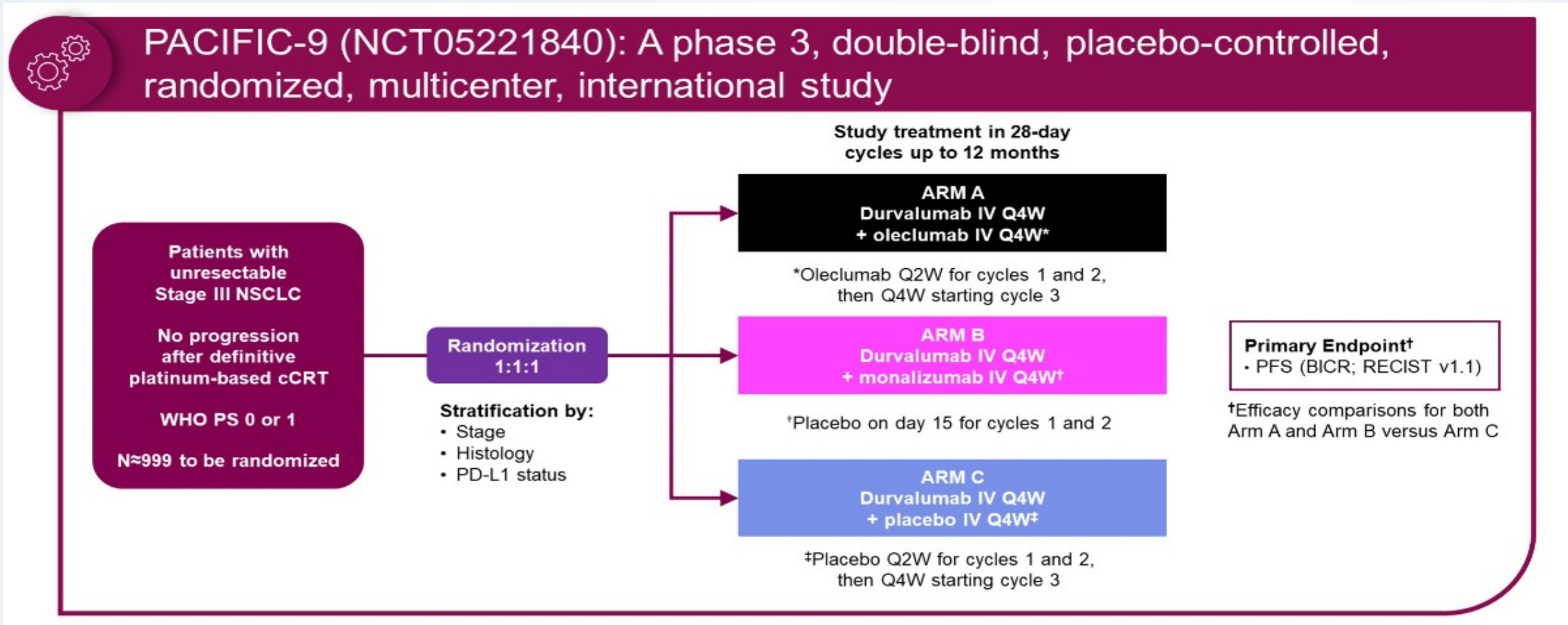
Herbst RS et al. *J Clin Oncol*. 2022; 40(29):3383-3393.



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PACIFIC-9: Study design

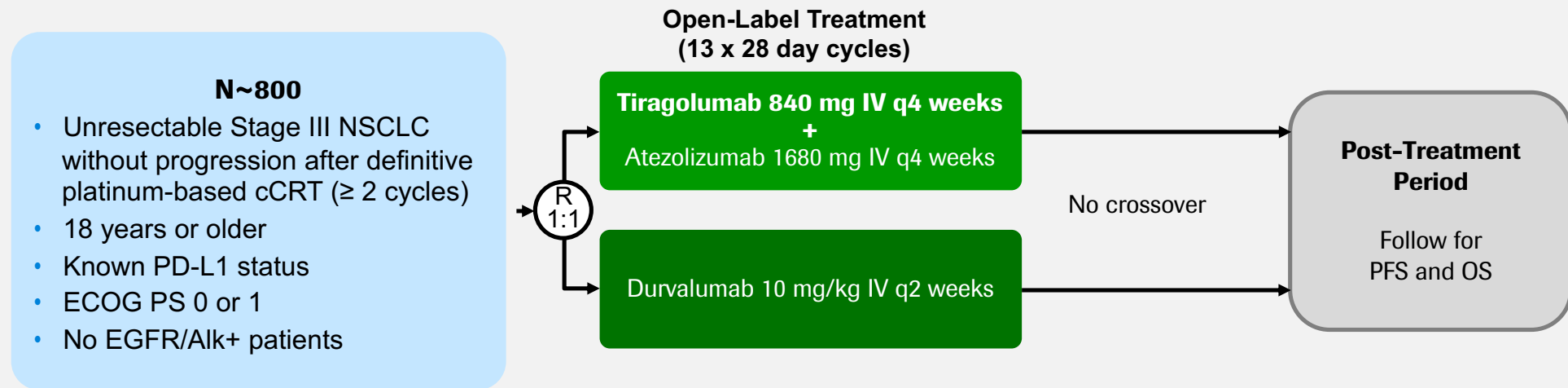


- Study enrollment began in February 2022 and primary completion is anticipated in May 2026.
- PACIFIC-9 is currently active and plans to recruit at 199 sites across 20 countries:
 - Sites open: Australia, Brazil, Canada, China, Colombia, France, Germany, Italy, Japan, Poland, Republic of Korea, Spain, Taiwan, Thailand, Turkey, United Kingdom, United States of America, and Vietnam
 - Sites planned but not yet active: Portugal and Peru.



SKYSCRAPER-03: Tiragolumab + Atezolizumab in Stage III NSCLC

Study Schema



Stratification Factors:

- PD-L1 expression ($<1\%$ vs $\geq 1\%$)
- Staging (IIIA vs IIIB vs IIIC)
- Histology (Squamous vs Non-Squamous)
- ECOG PS (0 vs 1)

Safety Run-in:

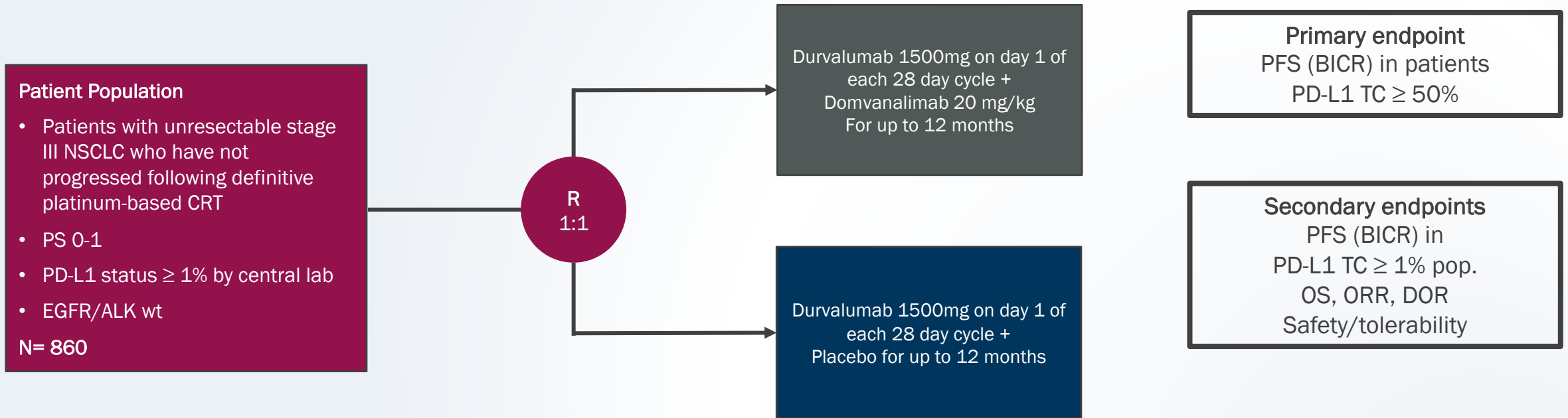
- iDMC review after a minimum of 24 patients (approximately 12 patients per arm) have completed 2 cycles of study treatment
- Enrollment will not be paused

Co-Primary Endpoints:

- IRF-assessed PFS in the
- PD-L1 positive population
 - ITT population

PACIFIC-8

A Phase III, Randomized, Double blind, Placebo-controlled, Multicentre, International Study of Durvalumab plus Domvanalimab (AB154) in Participants with Locally Advanced (Stage III), Unresectable NSCLC



Domvanalimab (AB154) is a Fc-silent humanized IgG1 mono- clonal antibody that blocks interaction of the T cell immunoreceptor with Ig and ITIM domains (TIGIT; upregulated by immune cells) with CD112 and CD155

TTFields in Stage III NSCLC

- Open-label, Phase 1 clinical trial is to determine the safety of TTFields started concurrently with SOC chemoradiation and during consolidation durvalumab in locally advanced, unresectable stage III non-small cell lung cancer (NSCLC).
- Primary endpoint: safety
- Sample size: 30 participants
- Study start 4/4/2024

ClinicalTrials.gov ID NCT06124118

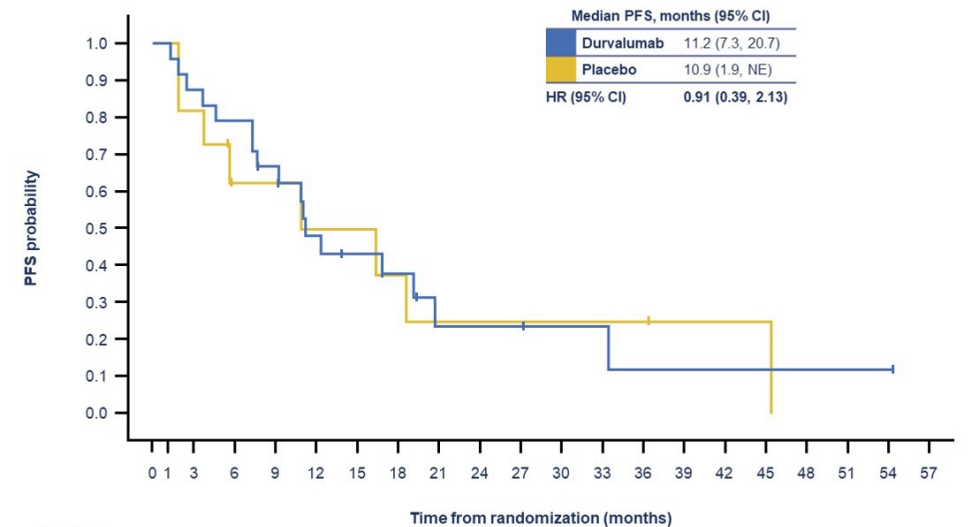


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Lack of benefit with immunotherapy in EGFR NSCLC

- A post-hoc analysis of PACIFIC included 35 patients with NSCLC with EGFR mutations (69% common and 31% other EGFR alterations or combinations) revealed similar PFS between the durvalumab and placebo groups (11.2 vs. 10.9 mos.).



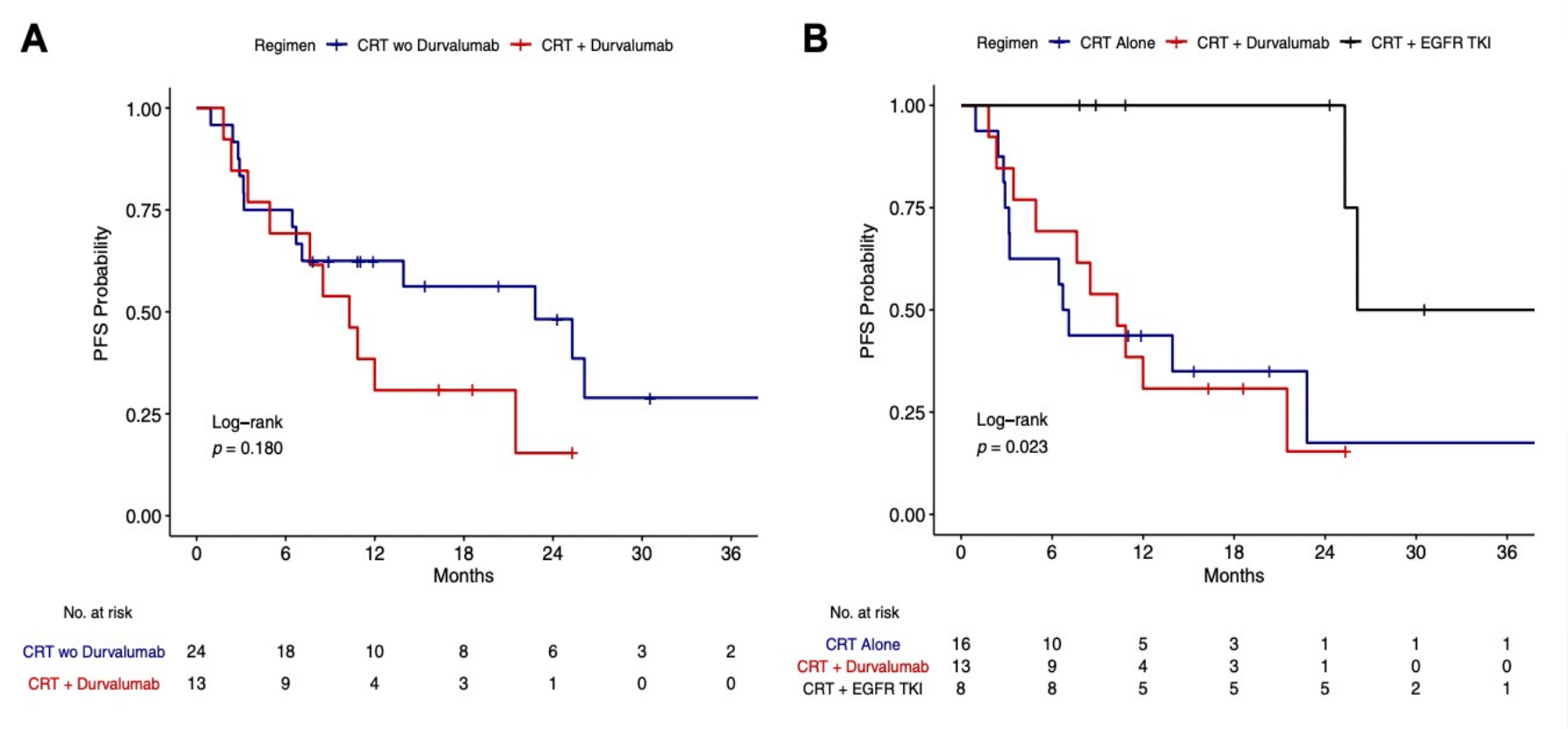
Naidoo et al. JTO 2023.



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Durvalumab for Stage III EGFR-Mutated NSCLC After Definitive Chemoradiotherapy



Median PFS among patients who completed CRT and durvalumab versus CRT wo durvalumab was 10.3 months versus 22.8 months (log-rank $p = 0.180$).

Median PFS among patients who completed CRT alone versus CRT and durvalumab versus CRT and induction or consolidation EGFR TKI was 6.9 months versus 10.3 months versus 26.1 months (log-rank $p = 0.023$).



LAURA trial

FDA approves osimertinib for locally advanced, unresectable (stage III) non-small cell lung cancer following chemoradiation therapy

Patients with locally advanced, unresectable stage III* EGFRm NSCLC with no progression during / following definitive CRT[†] treatment

Key inclusion criteria:

- ≥18 years (Japan: ≥20)
- WHO PS 0 / 1
- Confirmed locally advanced, unresectable stage III* NSCLC
- Ex19del / L858R[‡]
- Maximum interval between last dose of CRT and randomization: 6 weeks

Osimertinib 80 mg, once daily

Randomization 2:1 (N=216)

Stratification by:
Concurrent vs sequential CRT
Stage IIIA vs stage IIIB/IIIC
China vs non-China

Placebo, once daily

Treatment duration until BICR-assessed progression (per RECIST v1.1), toxicity, or other discontinuation criteria

Open-label osimertinib after BICR-confirmed progression offered to both treatment arms[§]

Tumor assessments:

- Chest CT / MRI and brain MRI
- At baseline, every 8 weeks to Week 48, then every 12 weeks until BICR-assessed progression

Endpoints

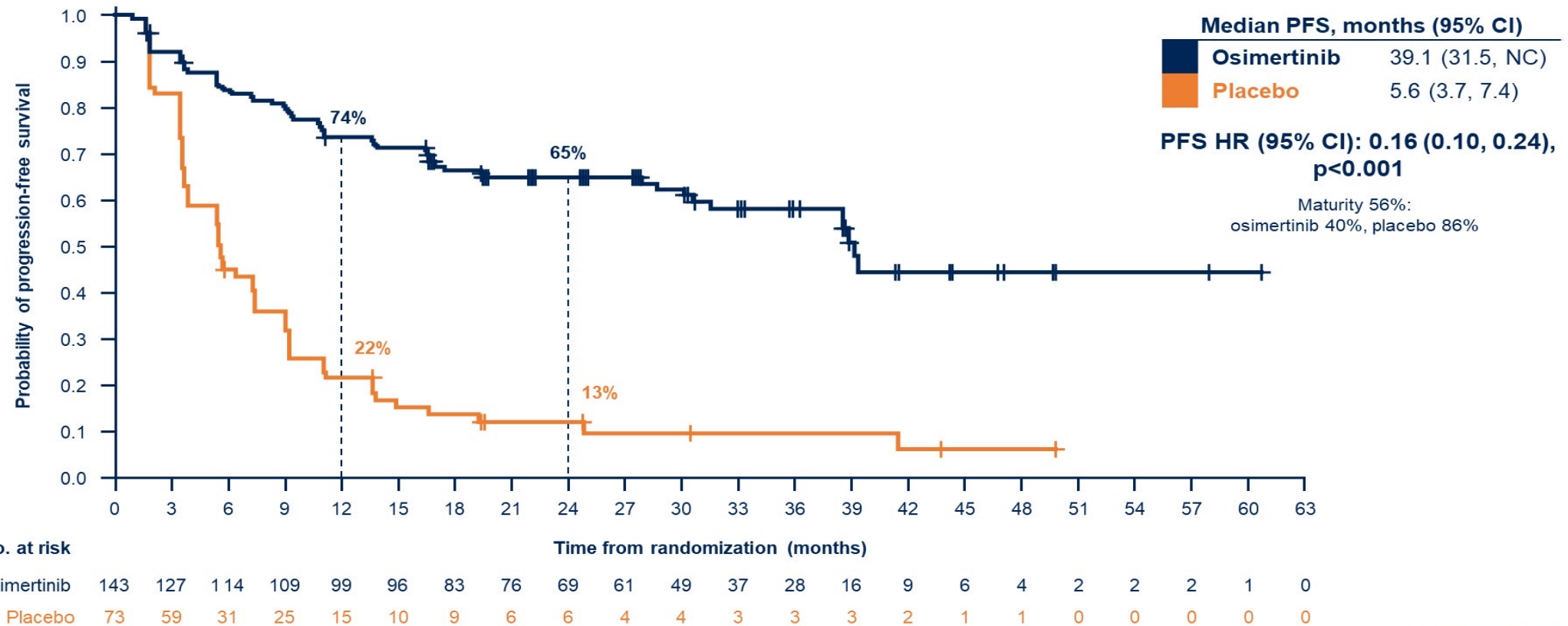
- **Primary endpoint:** PFS assessed by BICR per RECIST v1.1 (sensitivity analysis: PFS by investigator assessment)
- **Secondary endpoints included:** OS, CNS PFS, safety



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Ramalingam et al. ASCO 2024. Lu S et al. NEJM, 2024

Progression-free survival by BICR



Data cut-off: January 5, 2024.
Median follow-up for PFS (all patients): osimertinib 22.0 months, placebo 5.6 months. Median follow-up for PFS (censored patients): osimertinib 27.7 months, placebo 19.5 months.

2024 ASCO[®]
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#ASCO24

PRESENTED BY: Dr Suresh S. Ramalingam

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BICR, blinded independent central review; CI, confidence interval; HR, hazard ratio; NC, not calculable; PFS, progression-free survival

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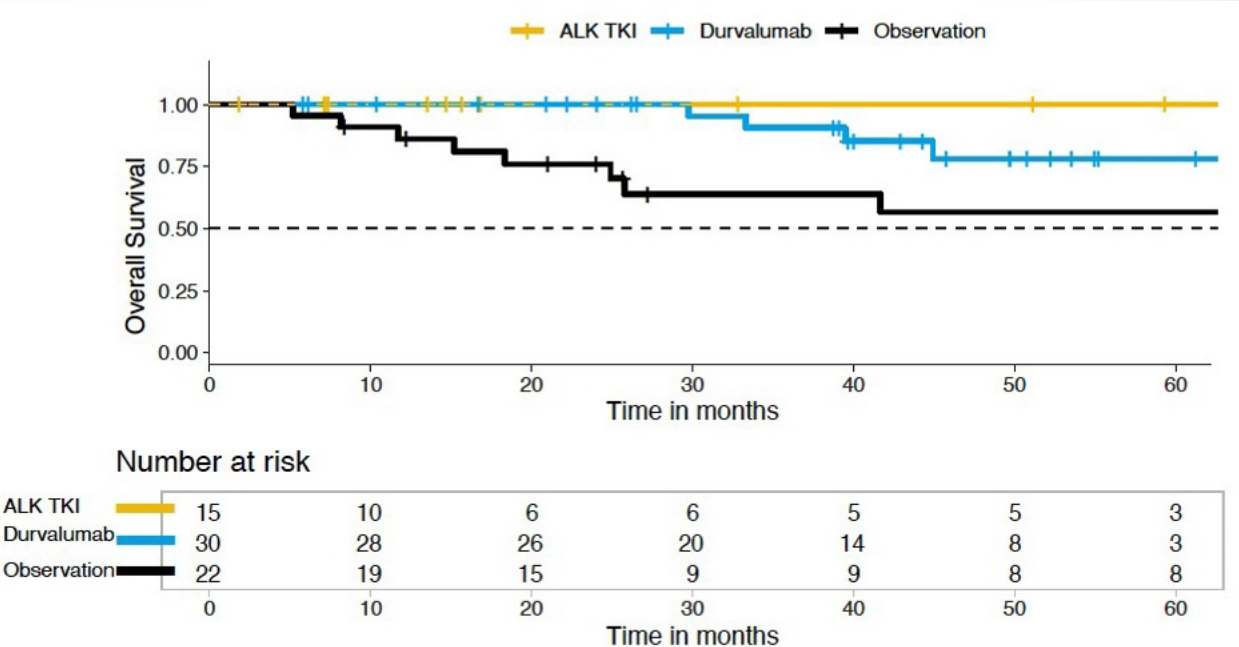
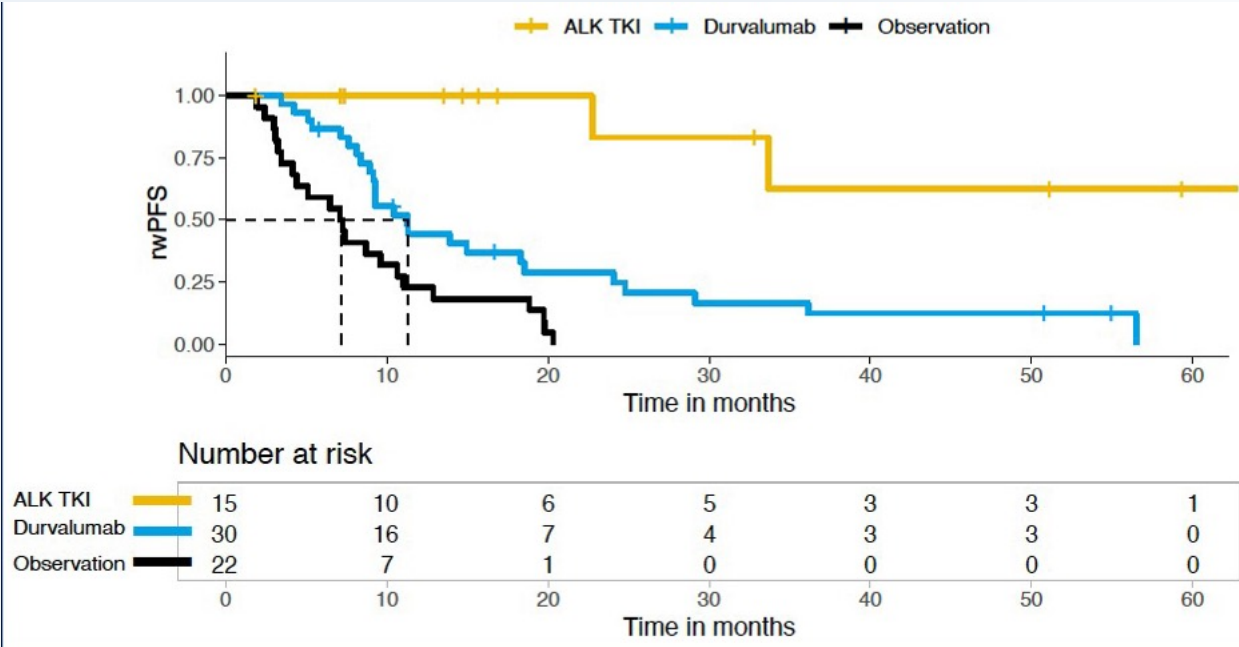
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Ramalingam et al. ASCO 2024. Lu S et al. NEJM, 2024

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Bio Ascend[™] 20

Consolidation ALK Tyrosine Kinase Inhibitors Versus Durvalumab or Observation After Chemoradiation in Unresectable Stage III ALK-Positive NSCLC

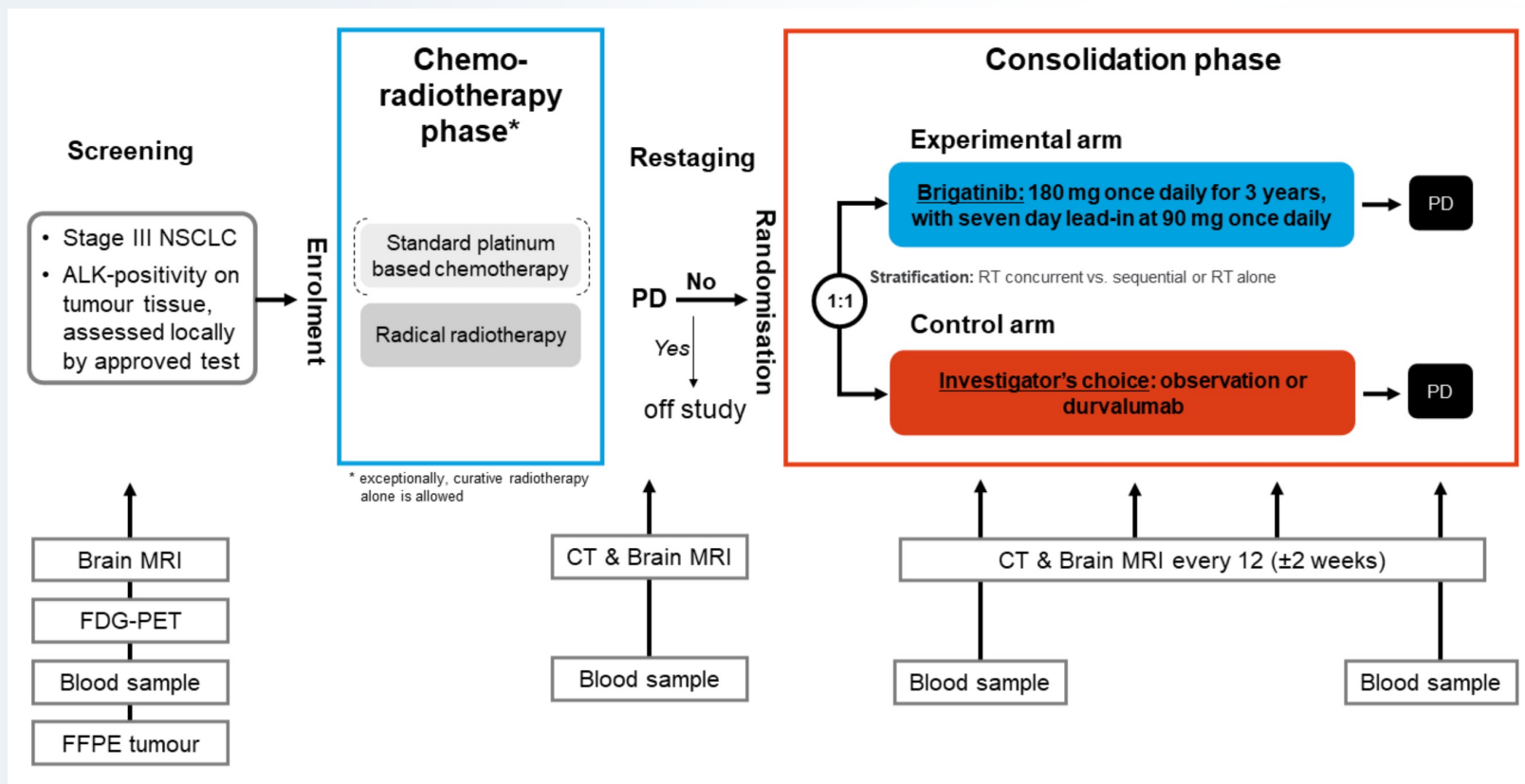


	ALK TKI	Durvalumab	Observation
Median rwPFS (95% CI)	Not reached (22.7 months-NR)	11.3 months (9.2-18.5 months)	7.2 months (3.4-10.6 months)

	ALK TKI	Durvalumab	Observation
Median OS (95% CI)	Not reached (NR-NR)	Not reached (NR-NR)	70.6 months (24.9 months-NR)

BOUNCE (ETOP IBCSG Partners FOUNDATION)

A multicentre, randomised, phase II trial of brigatinib consolidation versus observation or durvalumab in patients with unresectable stage III NSCLC and ALK-rearrangement, after definitive chemo-radiotherapy



NCT05718297

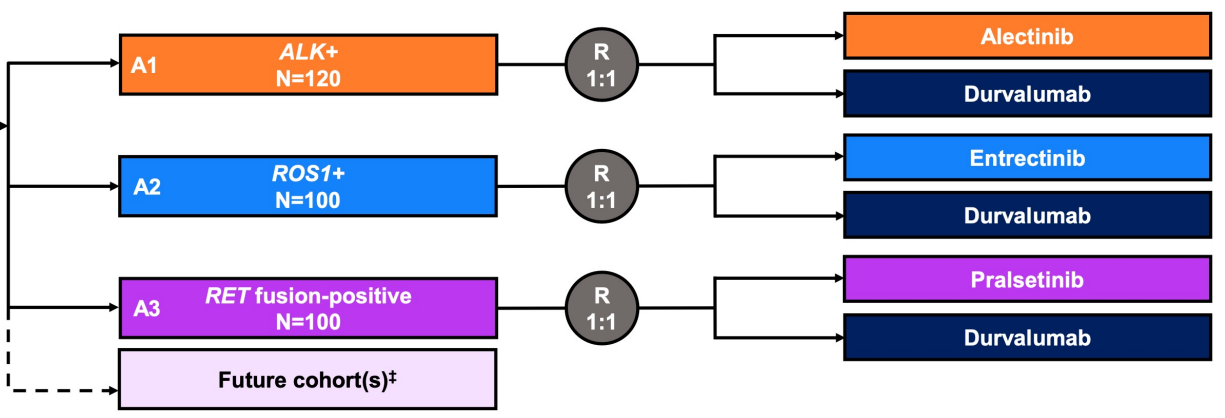
HORIZON-01

A phase I–III platform study evaluating the safety and efficacy of multiple therapies in patients with biomarker-defined locally advanced, unresectable, stage III non-small cell lung cancer (NSCLC)

- Locally advanced, unresectable, stage III NSCLC
- ≥18 years
- Prior cCRT / sCRT
- ECOG PS 0–2
- Tumour tissue required from all patients
- Documented PD-L1 status†

Biomarker eligibility determined in
BIOSTART master screening study
or
per available and acceptable local
tissue-based test result*

- Stratification factors:**
- Disease staging (stage IIIA vs. stage IIIB or IIIC)
 - Type of CRT (cCRT vs. sCRT)
 - PD-L1 expression (TC score <1% vs. ≥1% vs. unknown)†



Primary endpoint – PFS
Target enrollment N=320

Therapeutic	Administration	Dose*
Alectinib	Oral†	600 mg BID in 28-day cycles for ≤3 years
Entrectinib	Oral	600 mg QD in 28-day cycles for ≤3 years
Pralsetinib	Oral	400 mg QD in 28-day cycles for ≤3 years
Durvalumab	IV infusion	1500 mg Q4W in 28-day cycles for ≤1 year

NCT05170204

Conclusions

- The 5-year OS update from the PACIFIC trial establishes durvalumab as standard of care approach for patients with unresectable stage III NSCLC.
- Despite progress, additional work remains to further improve outcomes for this patient population.
- Immunotherapy combination strategies that build upon the durvalumab standard of care are being investigated.
- Biomarker testing should be incorporated into the management of stage III as it impact treatment decision making with approval of EGFR targeted therapy.