

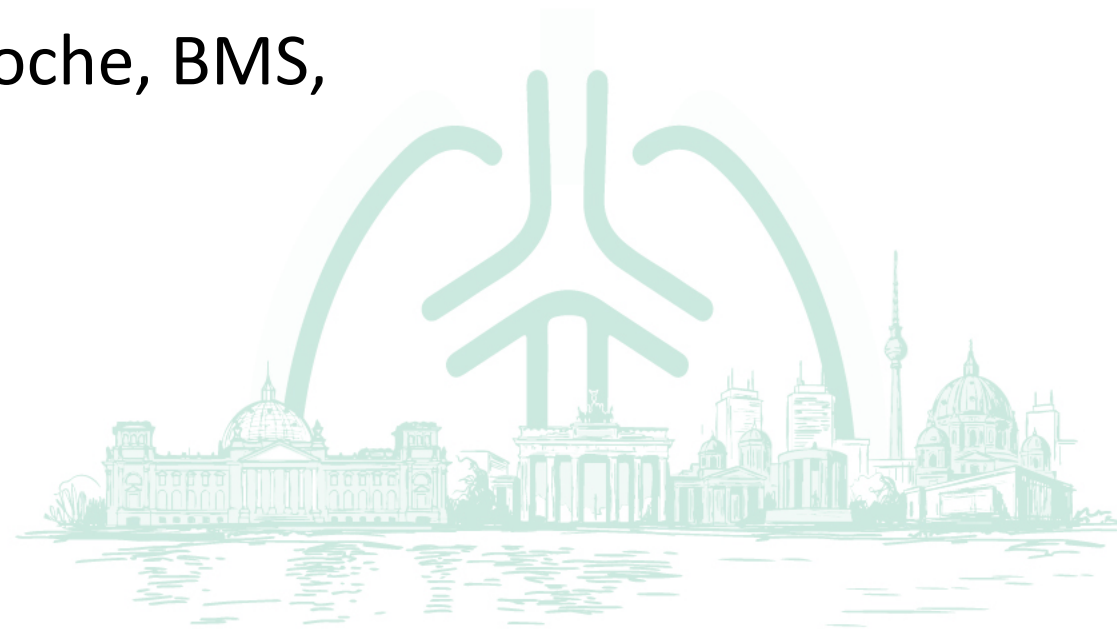
HIGHLIGHTS ESMO 2025: CPNM ESTADIO LOCALIZADO

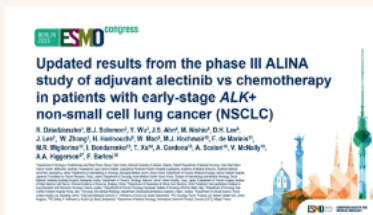
REYES BERNABÉ

HOSPITAL VIRGEN DEL ROCIO



- Consultant or Advisory Role: Astra Zeneca, MSD, Pierre Fabre, BMS, Roche, Pfizer, Daichi, Pharmamar
- Research Funding: Roche
- Speaking: Astra Zeneca, Amgen, Roche, BMS,





Updated results from the phase III ALINA study of adjuvant alectinib vs chemotherapy (chemo) in patients (pts) with early-stage ALK+ non-small cell lung cancer (NSCLC)

Rafal Dziadziuszko (Gdansk, Poland)



Enfortinib as adjuvant therapy in patients (pts) with stage IB–IIIB ALK-positive (ALK+) non-small cell lung cancer (NSCLC) after complete tumor resection: The phase III randomized ELEVATE trial

Dongsheng Yue (Tianjin, China)



CCTG BR.31: Adjuvant durvalumab (D) in resected non-small-cell lung cancer (NSCLC): Final overall survival (OS) and minimal residual disease (MRD) analyses

Glenwood Goss (Ottawa, Canada)



Early stage and locally advanced non-small cell lung cancer: Discussion

Alona Zer (Haifa, Israel)

Updated results from the phase III ALINA study of adjuvant alectinib vs chemotherapy in patients with early-stage *ALK*+ non-small cell lung cancer (NSCLC)

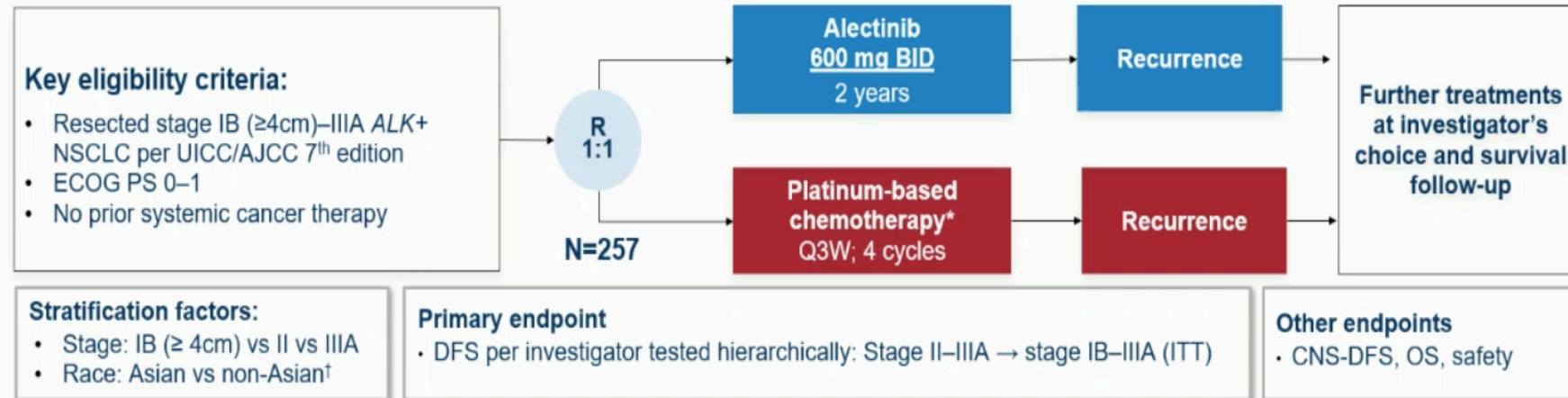
R. Dziadziuszko¹, B.J. Solomon², Y. Wu³, J.S. Ahn⁴, M. Nishio⁵, D.H. Lee⁶, J. Lee⁷, W. Zhong³, H. Horinouchi⁸, W. Mao⁹, M.J. Hochmair¹⁰, F. de Marinis¹¹, M.R. Migliorino¹², I. Bondarenko¹³, T. Xu¹⁴, A. Cardona¹⁵, A. Scalori¹⁶, V. McNally¹⁶, A.A. Higginson¹⁷, F. Barlesi¹⁸

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ALINA: background and study design

- **Alectinib**, an ALK inhibitor, is an approved **standard-of-care** for patients with **resected or advanced ALK+ NSCLC**^{1–3}
 - Alectinib has **demonstrated efficacy and delayed disease progression in the CNS**^{1–3}
 - Long-term data show alectinib is tolerable and has a manageable safety profile^{1–3}
- **ALINA** is the only **positive phase III trial** of an ALK inhibitor in **resectable, stage IB–IIIA** (UICC/AJCC 7th edition), **ALK+ NSCLC**^{2–4}
 - The primary analysis showed a **significant DFS benefit** with alectinib vs chemotherapy (**HR: 0.24**; 95% CI 0.13–0.43; $p < 0.0001$)^{2,3}



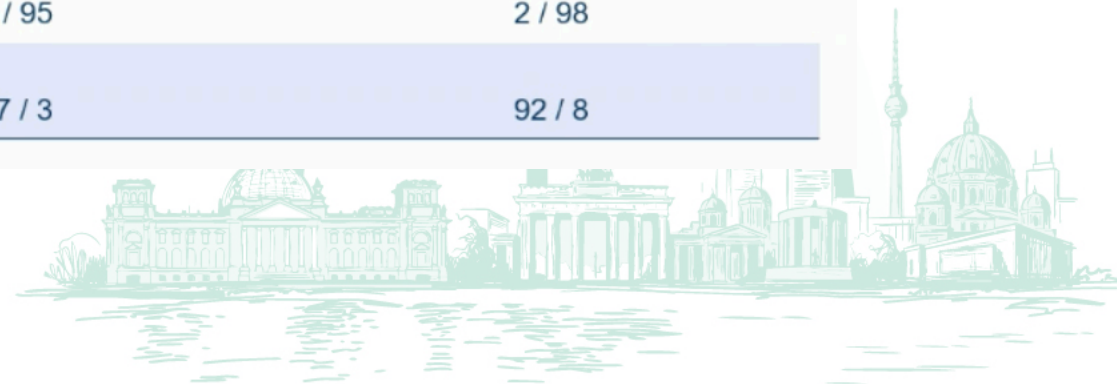
Here, we present updated data from the ALINA study with a median follow-up of 4 years
All patients in the alectinib arm had completed 2 years of treatment with ≥1 year of follow-up

NCT03456076. Crossover was not permitted prior to disease recurrence. *Cisplatin + pemetrexed, cisplatin + vinorelbine or cisplatin + gemcitabine; cisplatin could be switched to carboplatin in case of intolerability. †Stratification by patient race recorded in the interactive voice/web response system. 1. Alecensa Prescribing Information Genentech Inc. 2024; 2. Solomon et al. ESMO 2023 (LBA2); 3. Wu et al. N Engl J Med 2024; 4. Ahn et al. ESMO Asia 2023 (LBA1). ALK, anaplastic lymphoma kinase; AJCC, American Joint Committee on Cancer; BID, twice daily; CI, confidence interval; CNS, central nervous system; DFS, disease-free survival; ECOG PS, Eastern Cooperative Oncology Group performance status; HR, hazard ratio; ITT, intention to treat OS, overall survival; Q3W, every 3 weeks; R, randomisation; UICC, Union for International Cancer Control



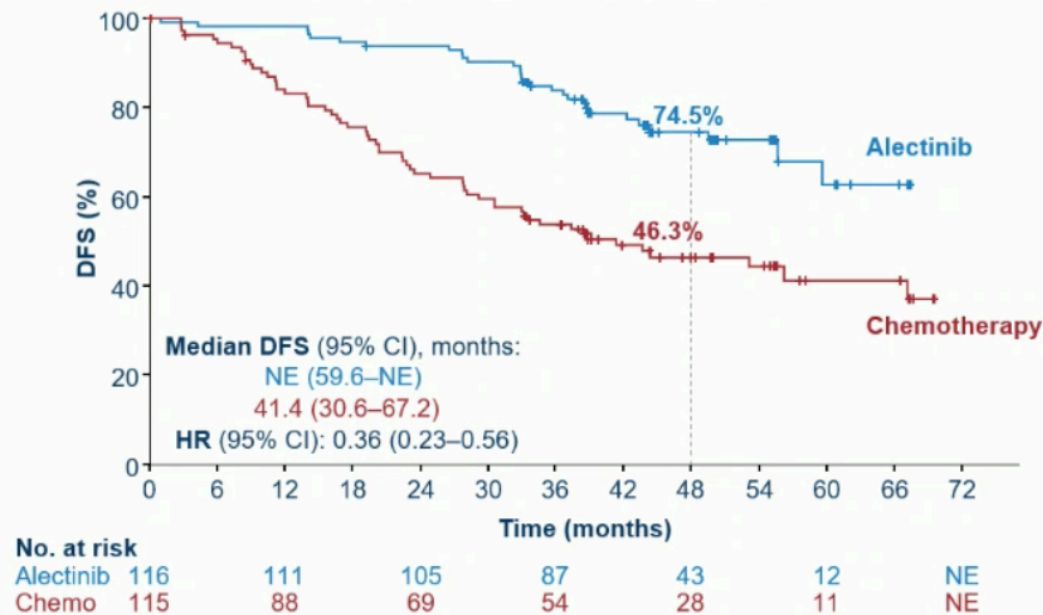
Patient demographics and baseline characteristics (ITT)

Characteristic ^{1,2}	Alectinib (n=130)	Chemotherapy (n=127)
Median age <65 / ≥65 years, %	54 years 79 / 21	57 years 73 / 27
Sex: female / male, %	58 / 42	46 / 54
Smoking status: never / former / current, %	65 / 32 / 4	55 / 43 / 2
Race: Asian / non-Asian, %	55 / 45	56 / 44
ECOG PS: 0 / 1, %	55 / 45	51 / 49
Stage at diagnosis per AJCC 7th edition: IB / II / IIIA, %	11 / 36 / 53	9 / 35 / 55
Stage at diagnosis per AJCC 8th edition: IB* / IIA / IIB / IIIA / IIIB, %	5 / 8 / 31 / 51 / 5	4 / 3 / 35 / 54 / 5
Nodal status: N0 / N1 / N2, %	16 / 35 / 49	14 / 34 / 52
Histology: squamous / non-squamous, %	5 / 95	2 / 98
Surgical procedure: Lobectomy / other [†] , %	97 / 3	92 / 8

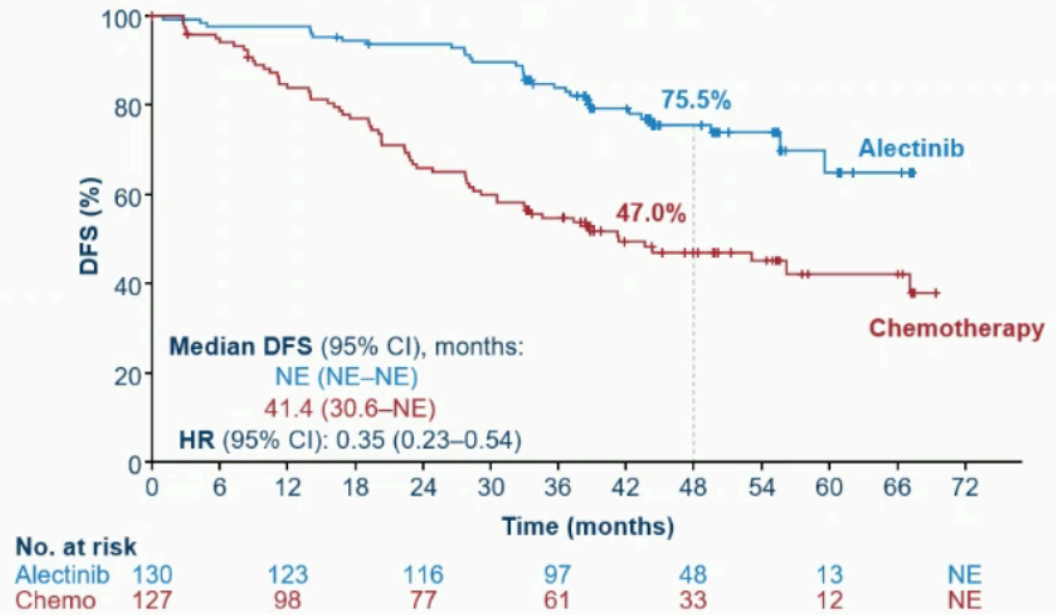


Disease-free survival

DFS in stage II–IIIA*



DFS in stage IB–IIIA (ITT)*



Median follow-up (ITT): alectinib, 48.0 months; chemotherapy, 47.4 months

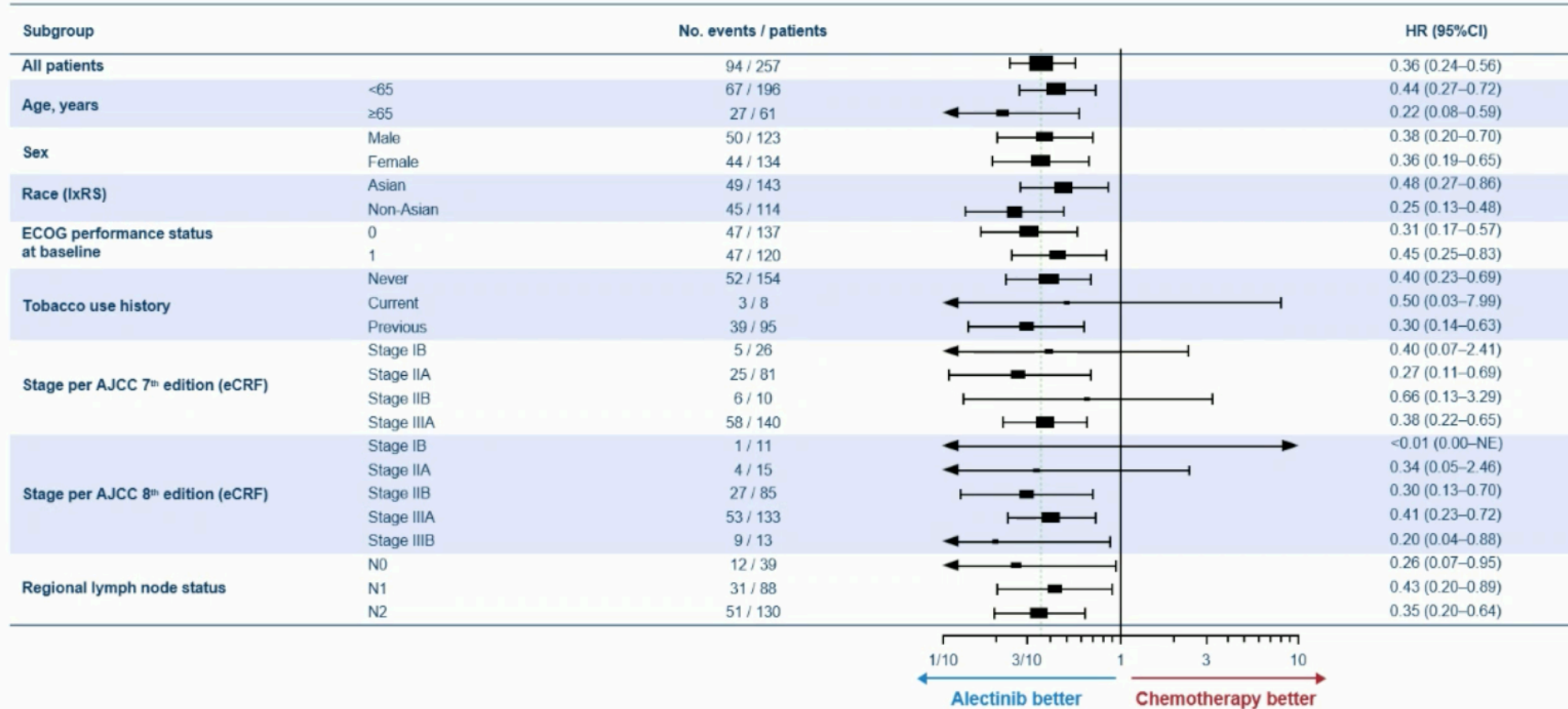
DFS benefit was sustained with alectinib versus chemotherapy in the stage II–IIIA and stage IB–IIIA (ITT) populations

Data cut-off: 8 December 2024. DFS defined as the time from randomisation to the first documented recurrence of disease or new primary NSCLC as determined by the investigator, or death from any cause, whichever occurred first

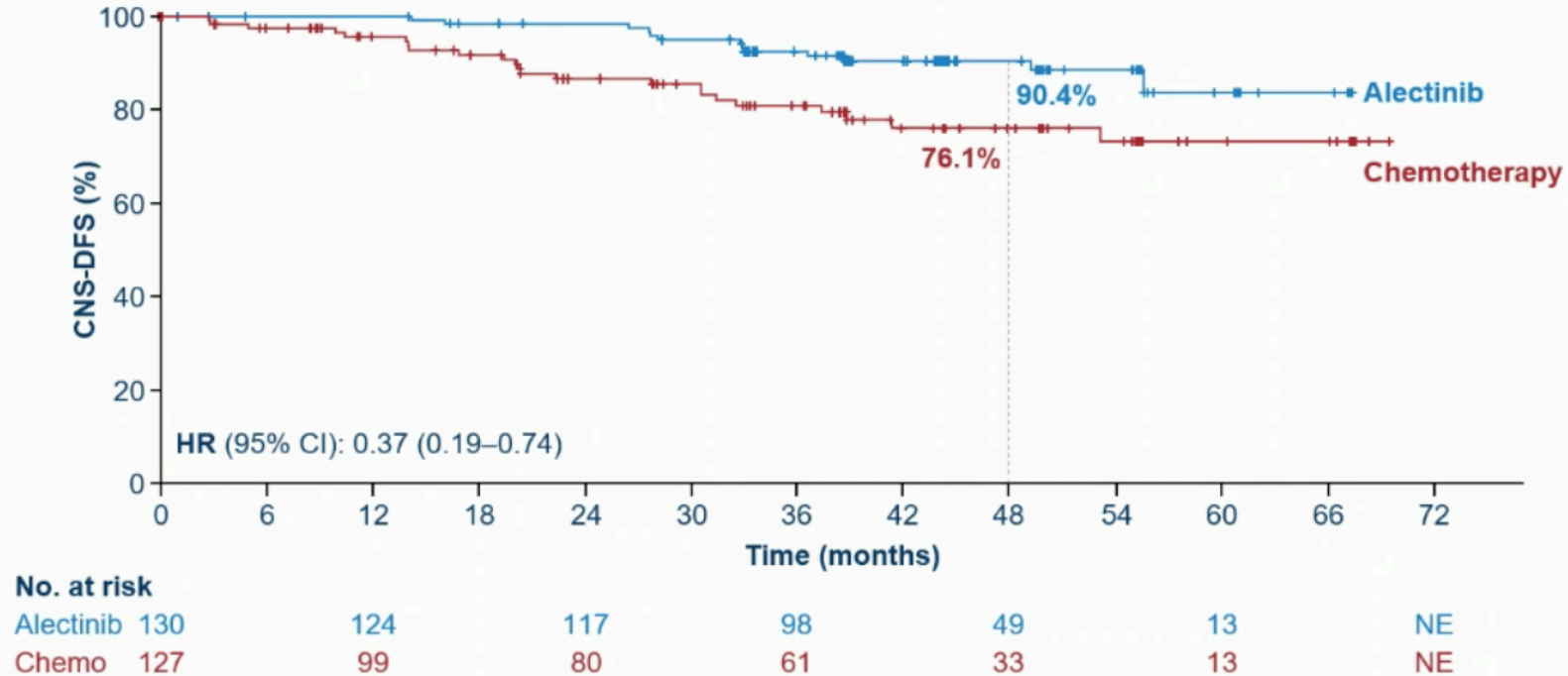
*Per UICC/AJCC 7th edition. Chemo, chemotherapy; NE, not estimable



Disease-free survival subgroup analysis (ITT)



CNS disease-free survival (ITT)

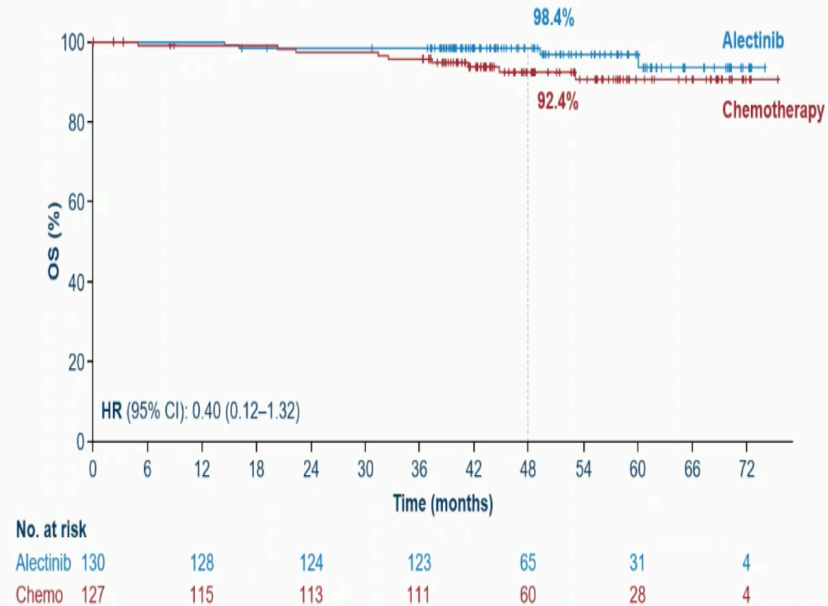


Median follow-up (ITT): alectinib, 48.0 months; chemotherapy, 47.4 months

A clinically meaningful CNS-DFS benefit was maintained in the IB–IIIA* (ITT) population



Overall survival (ITT)



Median follow-up (ITT): alectinib, 48.0 months; chemotherapy, 47.4 months

In the IB-IIIa* (ITT) population, there was a positive trend in OS with 4 years of median follow-up

Post-recurrence subsequent therapy

Number of patients with disease recurrence, n (%)	Alectinib (n=31)	Chemotherapy (n=60)
Number of patients with any subsequent therapy	24 (77.4)	55 (91.7)
Systemic therapy	24 (77.4)	51 (85.0)
ALK TKI	19 (61.3)	49 (81.7)
Alectinib	8 (25.8)	35 (58.3)
Brigatinib	7 (22.6)	8 (13.3)
Lorlatinib	7 (22.6)	6 (10.0)
Crizotinib	1 (3.2)	4 (6.7)
Ceritinib	1 (3.2)	2 (3.3)
Chemotherapy	9 (29.0)	3 (5.0)
Immunotherapy	1 (3.2)	1 (1.7)
Other anti-cancer therapy	2 (6.5)	2 (3.3)
Radiotherapy	8 (25.8)	10 (16.7)
Surgery	2 (6.5)	3 (5.0)

After recurrence, most patients received treatment with an ALK-TKI, of which alectinib was most widely used

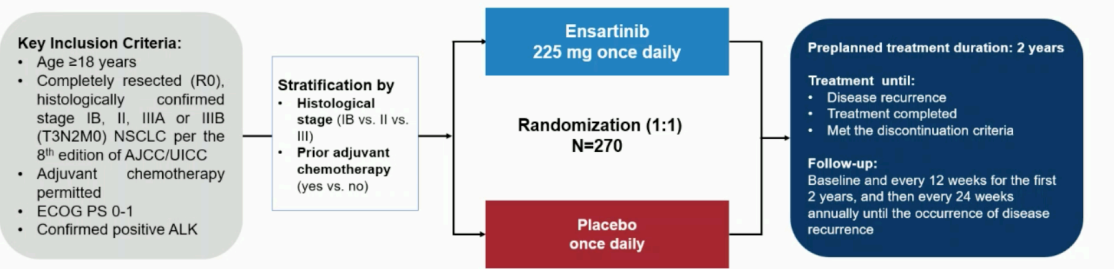
Ensartinib as adjuvant therapy in patients with stage IB–IIIB ALK-positive (ALK+) non-small cell lung cancer (NSCLC) after complete tumor resection: the phase III randomized ELEVATE trial

Dongsheng Yue¹, Meijuan Huang², Pingping Song³, Yuejun Chen⁴, Bin Li^{4,5}, Junke Fu⁶, Jianji Guo⁷, Chao Cheng⁸, Qixun Chen⁹, Shidong Xu¹⁰, Hongxu Liu¹¹, Fang Lv¹², Jian Hu¹³, Ke Jiang¹⁴, Weimin Mao¹⁵, Feng Ye¹⁶, Bo Shen¹⁷, Lieming Ding¹⁸, You Lu², Changli Wang¹

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Study design

Randomized, double-blind phase III trial (data cutoff for interim analysis: 6/26/2025)



Primary endpoint: Investigator-assessed DFS* in patients with stage II to IIIB disease

Secondary endpoints: Investigator-assessed DFS in patients with stage IB-IIIB disease (ITT), 3/5-year DFS rate, OS, safety

Statistical analysis:

- This preplanned interim analysis was performed when 70% of events (57 events) were observed in patients with stage II-IIIB disease.

*Defined as the time from randomization to disease recurrence or death from any cause.
 AJCC: American Joint Committee on Cancer; DFS, disease-free survival; ECOG PS: Eastern Cooperative Oncology Group performance-status; ITT: Intention-to-Treat Population; UICC: Union for International Cancer Control

Baseline characteristics (ITT)

Characteristics	Ensartinib (n=137)	Placebo (n=137)
Median age	55 years	54 years
<65/≥65 years, %	84.7/15.3	86.9/13.1
Sex: female/male, %	66.4/33.6	61.3/38.7
ECOG PS: 0/1, %	54.7/45.3	62.8/37.2
Smoking status: never/former/current, %	83.9/15.3/0.7	79.6/19.7/0.7
Stage*: IB/II/III[‡], %	24.8/34.3/40.9	25.5/33.6/40.9
Prior chemotherapy: yes/no, %	68.6/31.4	70.8/29.2

*The histological stage was classified according to the 8th edition of the Cancer Staging Manual of the AJCC/UICC.
[‡]The stage IIII included IIIIA and IIIB.

Safety summary

- At least one treatment-emergent adverse event (TEAE) was reported by 98.5% in the ensartinib arm and 92.0% in the placebo arm.
- The majority were grade 1 or 2 events.
- One grade 5 (fatal) TEAE (cerebral hemorrhage) was reported in the ensartinib arm but was not ensartinib-related.

	Ensartinib (n=137)	Placebo (n=137)
Median duration of treatment	22.1 months	17.1 months
Any TEAEs, %	135 (98.5)	126 (92.0)
Grade 3-4	48 (35.0)	23 (16.8)
Grade 5	1 (0.7)	2 (1.5)
SAEs, %	25 (18.2)	14 (10.2)
TEAE leading to dose reduction, n (%)	41 (29.9)	2 (1.5)
TEAE leading to dose interruption, n (%)	48 (35.0)	20 (14.6)
TEAE leading to dose discontinuation, n (%)	3 (2.2)	2 (1.5)

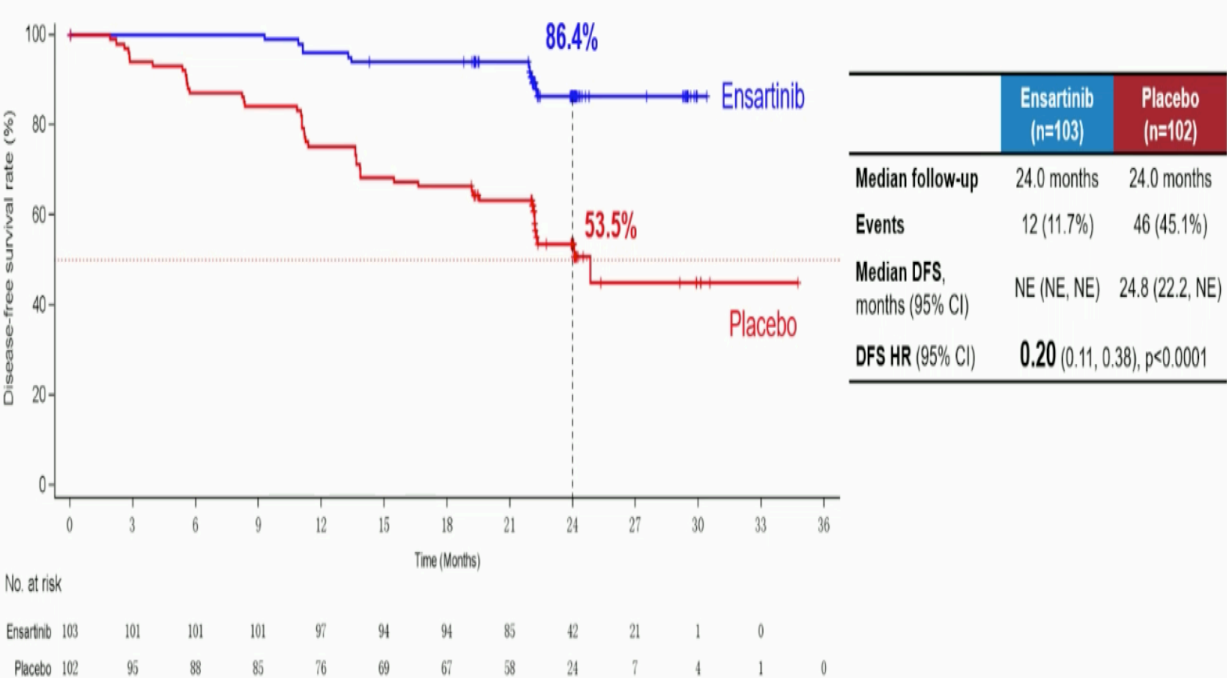
Ensartinib (N=137)

Placebo (N=137)

TEAEs occurring in at Least 20% of Patients

Ensartinib showed an improved DFS in patients with II-IIIB disease

Investigator-assessed DFS



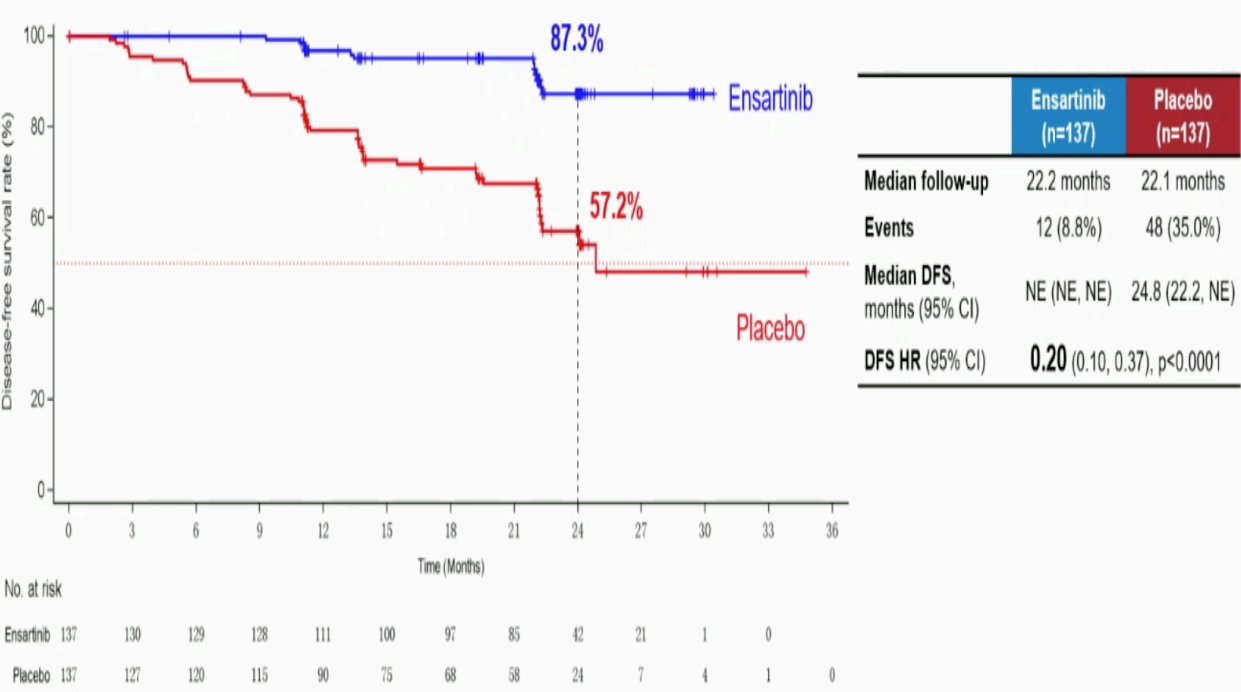
Dr. Dongsheng Yue

Conclusions

- Adjuvant ensartinib showed significant and clinically meaningful DFS benefits in patients with stage IB-IIIB ALK-positive NSCLC as compared with placebo.
 - Primary population (II-IIIB): DFS HR: 0.20; 95% CI: 0.11-0.38; p<0.0001
 - ITT population (IB-IIIB): DFS HR: 0.20; 95% CI: 0.10-0.37; p<0.0001
 - DFS prolonged with ensartinib across subgroups, including those with histological stage (IB/II/IIIA-IIIB) disease, and who received prior adjuvant chemotherapy
- No new safety signal of ensartinib was noted in the adjuvant setting.

Ensartinib showed an improved DFS in patients with IB-IIIB disease

Investigator-assessed DFS





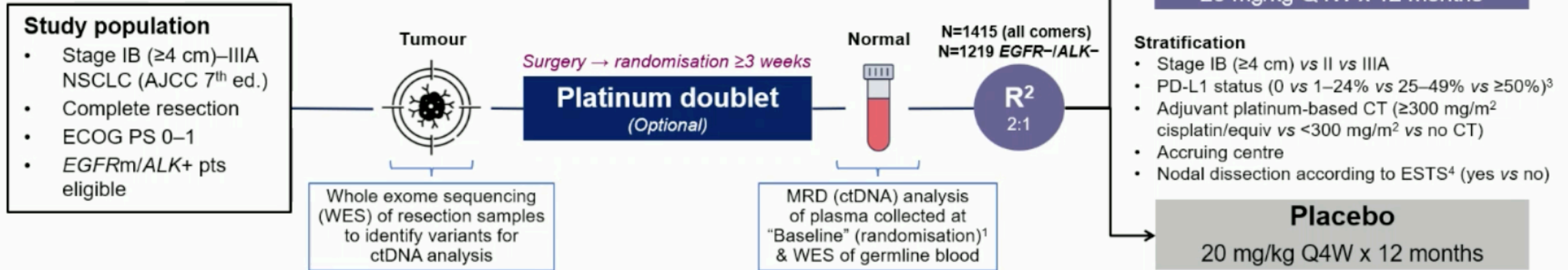
CCTG BR.31: Adjuvant durvalumab in resected non-small-cell lung cancer: final overall survival and minimal residual disease analyses

Glenwood Goss MD, FCP(SA), FRCPC



BR.31: Trial Design

Canadian Cancer Trials Group  Groupe canadien des essais sur le cancer



Primary endpoint

- DFS⁵ (investigator assessed) in patients with PD-L1 TC $\geq 25\%$ and *EGFR*⁻/*ALK*⁻

Key secondary endpoints

- DFS in patients with:
 - PD-L1 TC $\geq 1\%$ and *EGFR*⁻/*ALK*⁻
 - PD-L1 all comers and *EGFR*⁻/*ALK*⁻
- OS in the three subpopulations mentioned above, in the same hierarchical order
- AEs and QoL

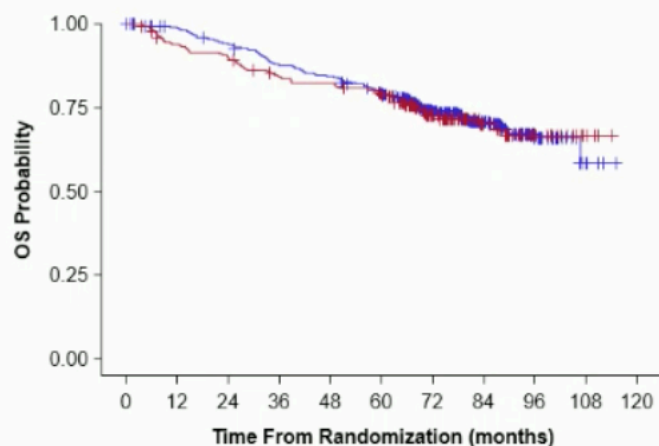
Today, we present the overall survival (OS) results, in the same hierarchical order, as well as the preliminary results of minimal residual disease (MRD) analyses.

BR.31: Final OS by Subpopulation

- Adjuvant durvalumab did not improve OS in the primary population of PD-L1 TC $\geq 25\%$ *EGFR*-/*ALK*- patients, or in key secondary subpopulations of PD-L1 TC $\geq 1\%$ *EGFR*-/*ALK*- or PD-L1 all comers *EGFR*-/*ALK*- patients.
- Updated DFS results did not change substantively since previous presentation of data.

PD-L1 $\geq 25\%$ and *EGFR*-/*ALK*-

	D arm n=316	PBO arm n=161
No. of events (%)	88 (27.8)	45 (28.0)
Median OS (95% CI), months	NR (106.8–NR)	NR (NR–NR)
Stratified HR (95% CI)	0.98 (0.69–1.42)	
P-value (2-sided)	0.93	

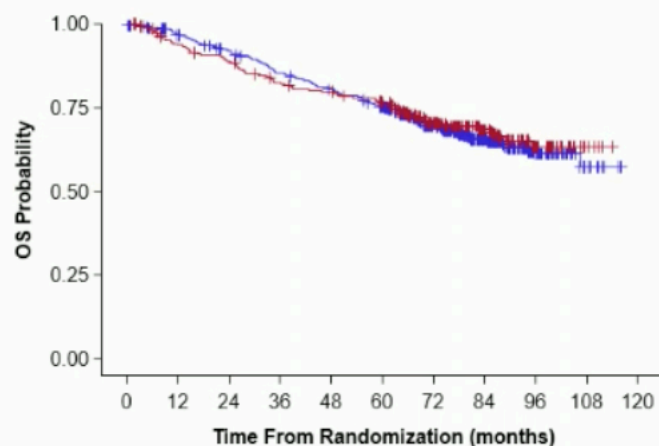


No. at risk:

D arm	316	301	286	266	256	237	172	100	40	6	0
PBO arm	161	147	140	129	126	121	84	44	20	4	0

PD-L1 $\geq 1\%$ and *EGFR*-/*ALK*-

	D arm n=469	PBO arm n=240
No. of events (%)	149 (31.8)	72 (30.0)
Median OS (95% CI), months	NR (106.8–NR)	NR (NR–NR)
Stratified HR (95% CI)	1.10 (0.83–1.47)	
P-value (2-sided)	0.52	

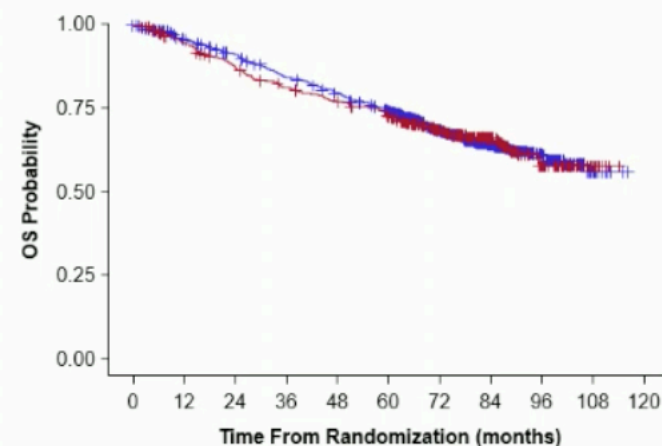


No. at risk:

D arm	469	439	409	378	356	326	236	133	58	10	0
PBO arm	240	219	205	188	181	173	123	66	30	5	0

PD-L1 All Comers and *EGFR*-/*ALK*-

	D arm n=815	PBO arm n=404
No. of events (%)	266 (32.6)	135 (33.4)
Median OS (95% CI), months	NR (106.8–NR)	NR (NR–NR)
Stratified HR (95% CI)	1.00 (0.81–1.23)	
P-value (2-sided)	0.96	



No. at risk:

D arm	815	748	699	643	604	556	390	229	103	14	0
PBO arm	404	371	337	313	296	278	201	111	49	8	0

BR.31: Baseline Characteristics of MRD+ vs MRD- Groups

- Of the 1415 (100%) randomised patients, 1131 (80%) were successfully tested for MRD (MRD-evaluable).
- There was no difference in the effects of durvalumab on OS, comparing MRD-evaluable versus MRD non-evaluable patients (interaction $p=0.75$; data not shown).
- Approximately 10% (116/1131) of MRD-evaluable patients had a positive test result (MRD+).
- A higher proportion of patients with Stage IIIA disease and ECOG PS 1 were in the MRD+ vs MRD- group.

Baseline Demographics (All <i>EGFR</i> -/ <i>ALK</i> - Patients)			
		MRD+ N=116	MRD- N=1015
Median age, yr		64.5	64
Age, n (%)	<65 yr	58 (50.0)	520 (51.2)
	≥65 yr	58 (50.0)	495 (48.8)
Sex, n (%)	Male	73 (62.9)	641 (63.2)
	Female	43 (37.1)	374 (36.8)
Race, n (%)	White	52 (44.8)	456 (44.9)
	Black	0 (0.0)	5 (0.5)
	Asian	35 (30.2)	289 (28.5)
	American Indian/Alaska native	0 (0.0)	1 (0.1)
	Unknown	2 (1.7)	7 (0.7)
	Missing (Not reported)	27 (23.3)	257 (25.3)
Smoking History, n (%)	No	25 (21.6)	163 (16.1)
	Yes	91 (78.4)	852 (83.9)

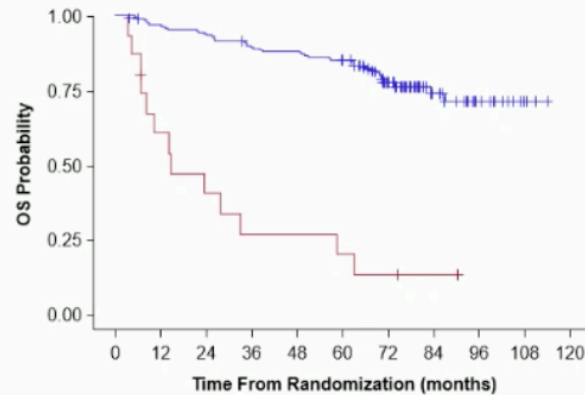
Baseline Disease Characteristics (All <i>EGFR</i> -/ <i>ALK</i> - Patients)			
		MRD+ N=116	MRD- N=1015
ECOG PS, n (%)	0	57 (49.1)	658 (64.8)
	1	59 (50.9)	357 (35.2)
Histology, n (%)	Squamous	38 (32.8)	281 (27.7)
	Non-squamous	78 (67.2)	734 (72.3)
PD-L1, n (%)	1 – <25%	41 (35.3)	308 (30.3)
	25 – <50%	11 (9.5)	129 (12.7)
	<1%	35 (30.2)	323 (31.8)
	≥50%	29 (25.0)	255 (25.1)
Stage, n (%)	IB (≥ 4 cm)	7 (6.0)	109 (10.7)
	II	56 (48.3)	581 (57.2)
	IIIA	53 (45.7)	325 (32.0)
<i>EGFR</i> / <i>ALK</i> mut, n (%)	<i>EGFR</i> +/ <i>ALK</i> +	19 (16.4)	128 (12.6)
	<i>EGFR</i> -/ <i>ALK</i> -	97 (83.6)	887 (87.4)

BR.31: Prognostic Effect of MRD on OS by Subpopulation

A positive MRD test is highly prognostic for poor patient survival

Placebo arm:
PD-L1 $\geq 25\%$ and *EGFR*-/*ALK*-

	MRD+ n=16	MRD- n=112
No. of events (%)	13 (81.3)	26 (23.2)
Median OS (95% CI), months	14.9 (7.0–58.8)	NR (0–NR)
Unstratified HR (95% CI)	8.74 (4.40–17.35)	
P-value (2-sided)	<0.0001	

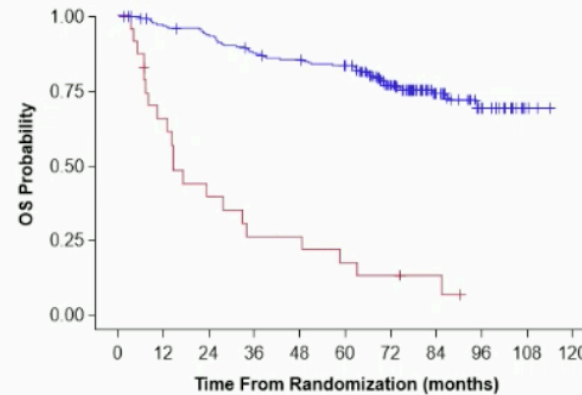


No. at risk:

MRD-	112	107	103	98	96	93	63	29	14	3	0
MRD+	16	9	6	4	4	3	2	1	0	0	0

Placebo arm:
PD-L1 $\geq 1\%$ and *EGFR*-/*ALK*-

	MRD+ n=24	MRD- n=171
No. of events (%)	21 (87.5)	41 (24.0)
Median OS (95% CI), months	14.9 (8.3–33.1)	NR (0–NR)
Unstratified HR (95% CI)	9.14 (5.31–15.74)	
P-value (2-sided)	<0.0001	

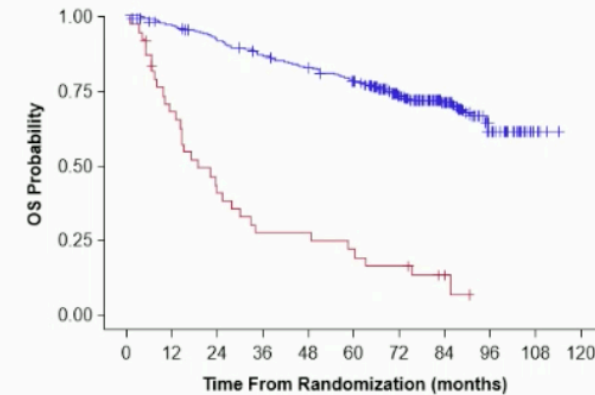


No. at risk:

MRD-	171	161	154	144	139	135	95	47	22	3	0
MRD+	24	15	9	6	6	4	3	2	0	0	0

Placebo arm:
PD-L1 All Comers and *EGFR*-/*ALK*-

	MRD+ n=39	MRD- n=282
No. of events (%)	33 (84.6)	81 (28.7)
Median OS (95% CI), months	19.2 (13.3–30.1)	NR (0–NR)
Unstratified HR (95% CI)	7.33 (4.84–11.12)	
P-value (2-sided)	<0.0001	



No. at risk:

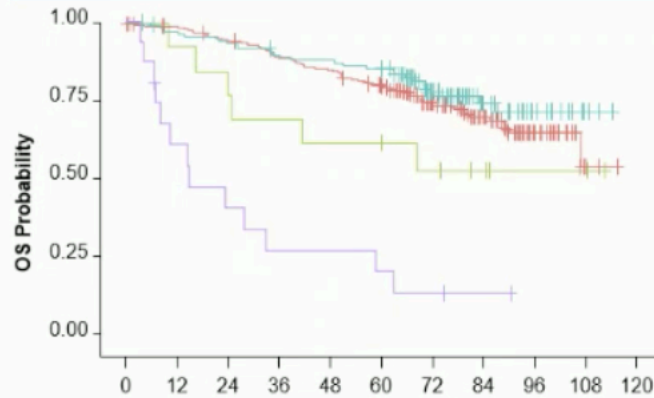
MRD-	282	269	251	237	224	210	155	82	34	5	0
MRD+	39	25	15	10	10	8	6	3	0	0	0



BR.31: Predictive Effect of MRD on OS by Subpopulation

A positive MRD test is predictive for OS benefit of durvalumab in PD-L1 $\geq 25\%$ and PD-L1 $\geq 1\%$ subpopulations

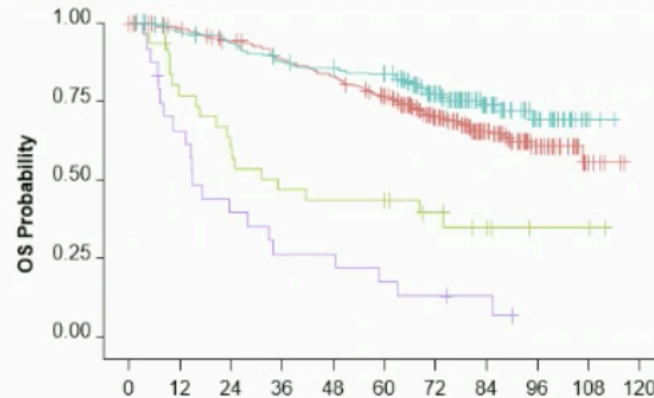
PD-L1 $\geq 25\%$ and EGFR-/ALK-



No. at risk:	Time From Randomization (months)	0	12	24	36	48	60	72	84	96	108	120
D arm, MRD+	238	229	217	204	195	178	130	76	29	3	0	0
D arm, MRD-	13	12	11	9	8	8	6	4	2	2	0	0
PBO arm, MRD-	112	107	103	98	96	93	63	29	14	3	0	0
PBO arm, MRD+	16	9	6	4	4	3	2	1	0	0	0	0

MRD+	D arm n=13	PBO arm n=16
Median OS (95% CI), months	NR (24.0–NR)	14.9 (7.0–58.8)
Unstratified HR (95% CI)	0.30 (0.11–0.80)	
P-value (2-sided)	0.011	
MRD-	D arm n=238	PBO arm n=112
Median OS (95% CI), months	NR (106.8–NR)	NR (0–NR)
Unstratified HR (95% CI)	1.28 (0.82–2.01)	
P-value (2-sided)	0.28	
Interaction P-value	0.006	

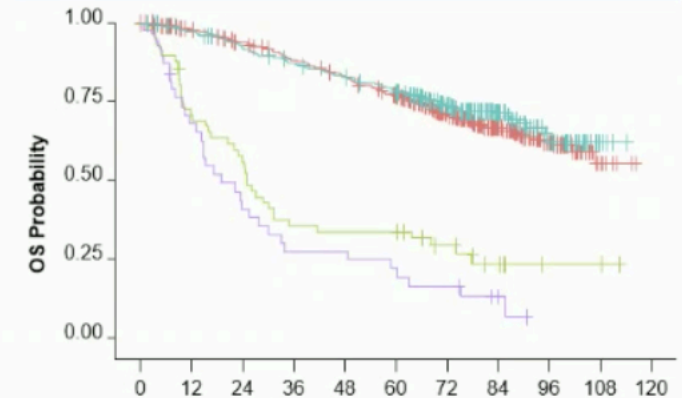
PD-L1 $\geq 1\%$ and EGFR-/ALK-



No. at risk:	Time From Randomization (months)	0	12	24	36	48	60	72	84	96	108	120
D arm, MRD+	343	329	308	289	270	243	176	99	43	6	0	0
D arm, MRD-	31	23	19	14	13	13	9	6	2	2	0	0
PBO arm, MRD-	171	161	154	144	139	135	95	47	22	3	0	0
PBO arm, MRD+	24	15	9	6	6	4	3	2	0	0	0	0

MRD+	D arm n=31	PBO arm n=24
Median OS (95% CI), months	35.1 (20.6–NR)	14.9 (8.3–33.1)
Unstratified HR (95% CI)	0.49 (0.26–0.92)	
P-value (2-sided)	0.024	
MRD-	D arm n=343	PBO arm n=171
Median OS (95% CI), months	NR (106.8–NR)	NR (0–NR)
Unstratified HR (95% CI)	1.38 (0.97–1.97)	
P-value (2-sided)	0.080	
Interaction P-value	0.003	

PD-L1 All Comers and EGFR-/ALK-

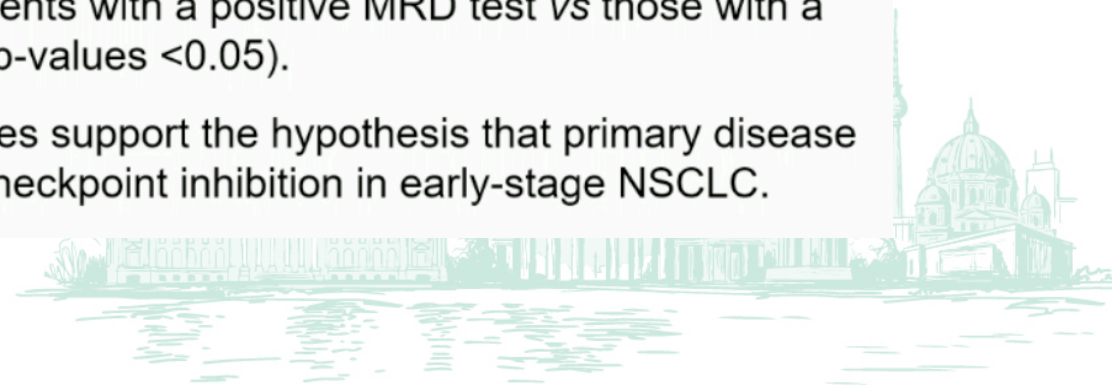


No. at risk:	Time From Randomization (months)	0	12	24	36	48	60	72	84	96	108	120
D arm, MRD+	605	569	536	501	469	429	301	179	80	9	0	0
D arm, MRD-	58	38	31	19	18	18	12	7	2	2	0	0
PBO arm, MRD-	282	269	251	237	224	210	155	82	34	5	0	0
PBO arm, MRD+	39	25	15	10	10	8	6	3	0	0	0	0

MRD+	D arm n=58	PBO arm n=39
Median OS (95% CI), months	25.1(16.6–31.5)	19.5(13.3–30.1)
Unstratified HR (95% CI)	0.71 (0.45–1.12)	
P-value (2-sided)	0.14	
MRD-	D arm n=605	PBO arm n=282
Median OS (95% CI), months	NR (106.8–NR)	NR (0–NR)
Unstratified HR (95% CI)	1.12 (0.86–1.45)	
P-value (2-sided)	0.39	
Interaction P-value	0.044	

BR.31: Conclusions

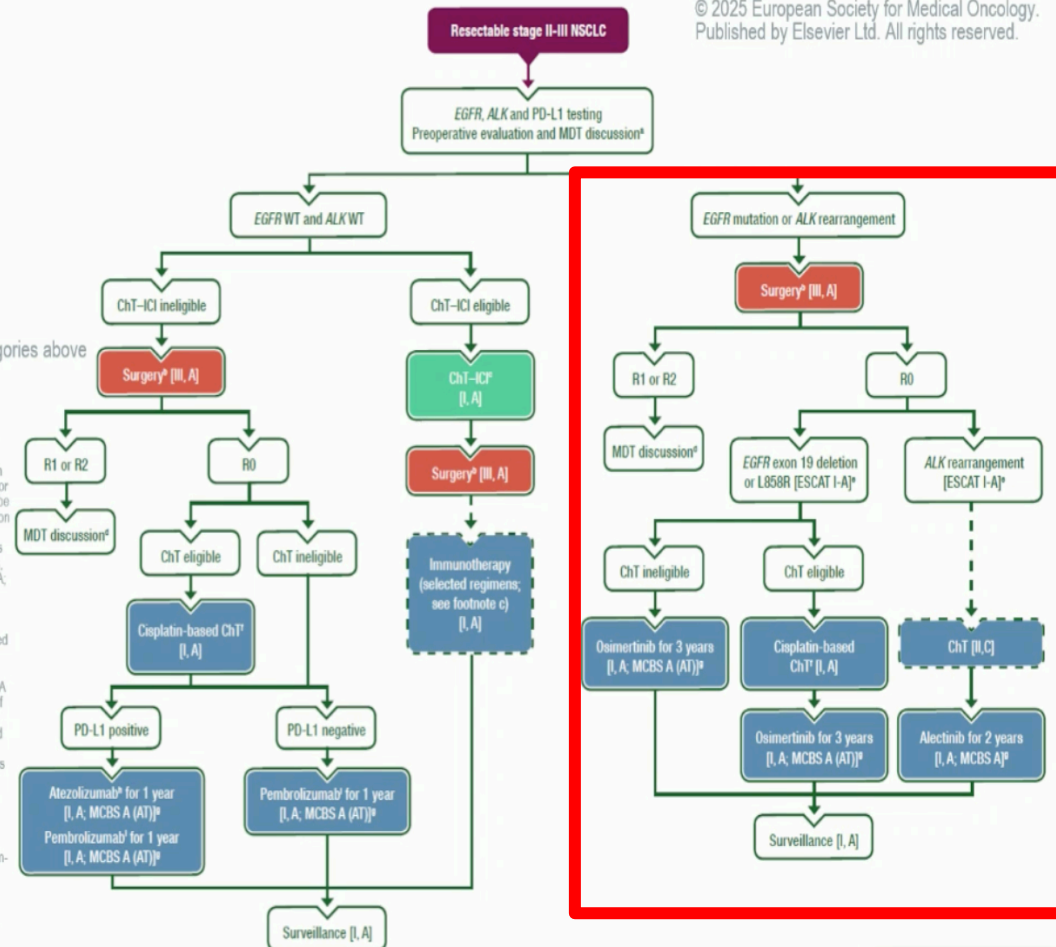
- Adjuvant durvalumab in early-stage NSCLC did not improve OS and DFS outcomes in the primary population of PD-L1 $\geq 25\%$ *EGFR*-/*ALK*- patients, or in the secondary populations of PD-L1 $\geq 1\%$ *EGFR*-/*ALK*- or PD-L1 all comers *EGFR*-/*ALK*- patients.
- MRD analysis was successful in 80% of randomized patients and there was no difference in the effects of durvalumab on OS comparing MRD-evaluable with MRD non-evaluable patients (interaction $p=0.75$).
- A positive MRD test observed in 10% of MRD-evaluable patients, was highly prognostic for poor OS, irrespective of tumour PD-L1 expression status.
- In an exploratory MRD analysis, durvalumab significantly improved OS of patients with a positive MRD test in both the PD-L1 $\geq 25\%$ *EGFR*-/*ALK*- ($p=0.011$) and PD-L1 $\geq 1\%$ *EGFR*-/*ALK*- ($p=0.024$) subpopulations.
- The effects of durvalumab on OS were consistently superior for patients with a positive MRD test vs those with a negative MRD test across all PD-L1 subpopulations (all interaction p -values <0.05).
- In the context of emerging data, the BR.31 exploratory MRD analyses support the hypothesis that primary disease and associated tumour antigens is required for optimal efficacy of checkpoint inhibition in early-stage NSCLC.



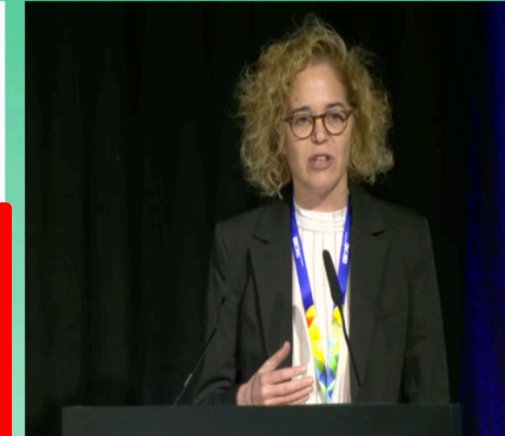
ESMO CPG 2025

- Algorithm title
- Surgery
- Systemic anticancer therapy
- Combination of treatments or treatment modalities
- Other aspects of management
- Optional branches, colour used as described in the categories above

ESRT is recommended for patients with severe chronic obstructive pulmonary disease and elderly and/or frail patients [II, A] and can be recommended for subsets of patients with interstitial pulmonary fibrosis after multidisciplinary consultation and shared decision making with the patient [III, B]. For patients with N2 disease, resectability and selection for neoadjuvant or perioperative systemic therapy versus concurrent definitive CRT should be discussed for each individual patient by an experienced MDT [IV, A]. Anatomical resection is preferred over wedge resection [I, A]. Three mediastinal and three hilar lymph node stations should be dissected [III, A]. VATS or RATS is recommended for stage II tumours [I, A]; minimally invasive approaches may be considered for resectable stage III tumours, according to the surgeon's experience [IV, C]. Options: neoadjuvant nivolumab+CT [I, A; ESMO-MCBS v2.0 score: A (AT), FDA approved, EMA approved for PD-L1 TC ≥1%]; neoadjuvant pembrolizumab+CT followed by adjuvant pembrolizumab [I, A; ESMO-MCBS v2.0 score: A (AT)]; neoadjuvant durvalumab+CT followed by adjuvant durvalumab [I, A; ESMO-MCBS v2.0 score: A (AT)]; neoadjuvant nivolumab+CT followed by adjuvant nivolumab [I, A; ESMO-MCBS v2.0 score: A (AT), FDA approved, EMA approved for PD-L1 TC ≥1%]; Neoadjuvant tislelizumab+CT followed by adjuvant tislelizumab [I, A; ESMO-MCBS v2.0 score: A (AT), EMA CHMP positive opinion, not FDA approved]. *In R1 and R2 resections, an MDT discussion is indicated for consideration of re-resection or incorporation of adjuvant CRT, PORT or definitive CRT. ESCCAL scores apply to alterations from genomic-driven analysis only. These scores have been defined by the authors, assisted if needed by the ESMO Translational Research and Precision Medicine Working Group. *For patients with advanced disease, immunotherapy for patients who are not eligible for cisplatin (e.g. renal, neurological or other contraindication) [III, B]. ESMO-MCBS v2.0 was used to calculate scores for therapies/indications approved by the EMA or FDA. The scores have been calculated and validated by the ESMO-MCBS Working Group and reviewed by the authors (<https://www.esmo.org/guidelines/esmo-mcbs/esmo-mcbs-evaluation-forms>). FDA approved for tumours with PD-L1 TC ≥1%; EMA approved for tumours with PD-L1 TC ≥50%; EMA and FDA approved after platinum-based CRT, chemotherapy, CPIC Clinical Practice Guideline; CRT, chemoradiotherapy; ICI, immune checkpoint inhibitor; MDT, multidisciplinary team; N, node; PD-L1, programmed death-ligand 1; PORT, post-operative radiotherapy; R0, no tumour at the margin; R1, microscopic tumour at the margin; R2, macroscopic tumour at the margin; RATS, robot-assisted thoracoscopic surgery; SBRT, stereotactic body radiotherapy; TC, tumour cell, VATS, video-assisted thoracoscopic surgery. *Zor A et al Ann Oncol 2025; online ahead of print.*



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Alona Zer

Early stage and locally advanced non-small cell lung cancer: Discussion

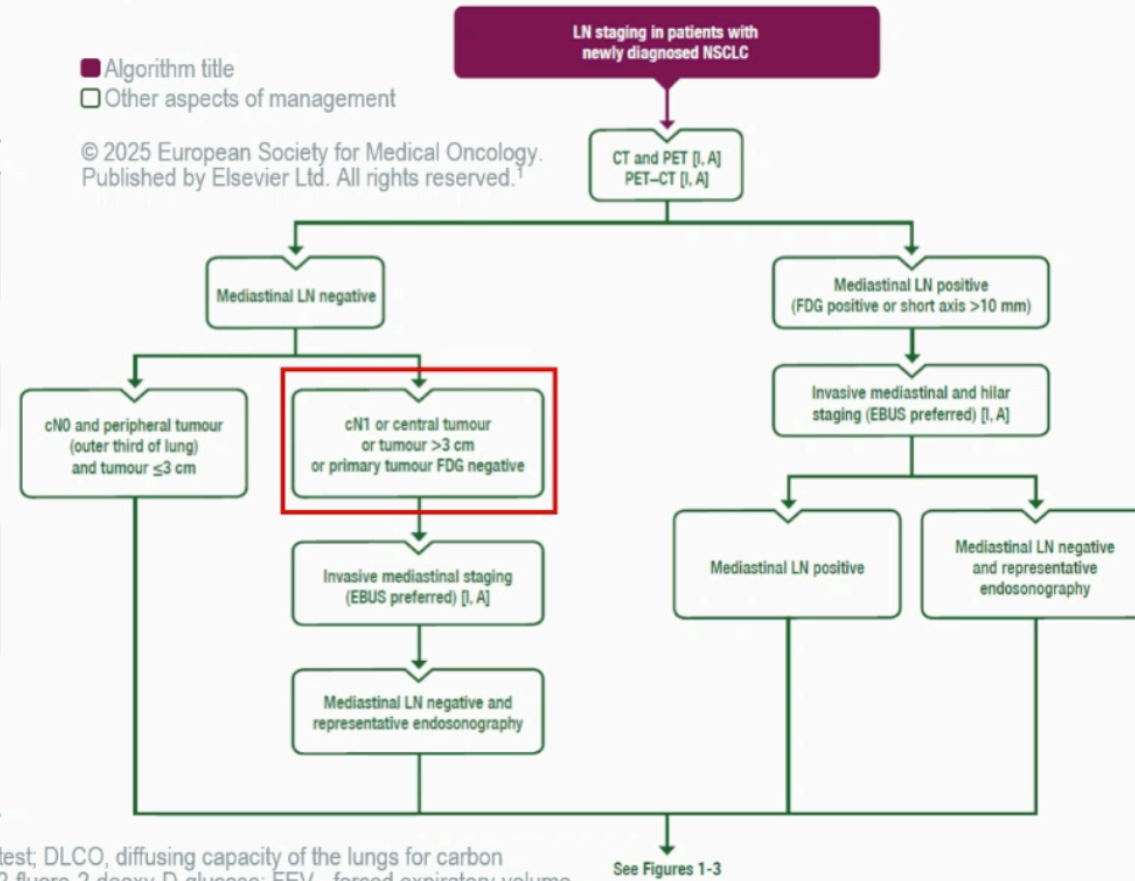
Early and locally advanced NSCLC: ESMO CPG

Diagnosis and staging

	Mandatory	Optional
General ✓	Medical history Physical examination Assess comorbidities, weight loss and PS	
Imaging ✓	FDG-PET and contrast-enhanced CT Brain MRI (for clinical stage II-III)	Contrast-enhanced brain CT if MRI not possible
Laboratory	CBC Chemistry profile	
Preoperative cardiopulmonary evaluation	FEV ₁ DLCO CPET	
Tissue acquisition	Bronchoscopy ✓ EBUS or EUS ✗ CT-guided biopsy US-guided biopsy	Mediastinoscopy
Pathology	TTF-1 IHC staining p40 IHC staining EGFR molecular testing ✓ ALK molecular testing ✓ PD-L1 testing ✓	

■ Algorithm title
□ Other aspects of management

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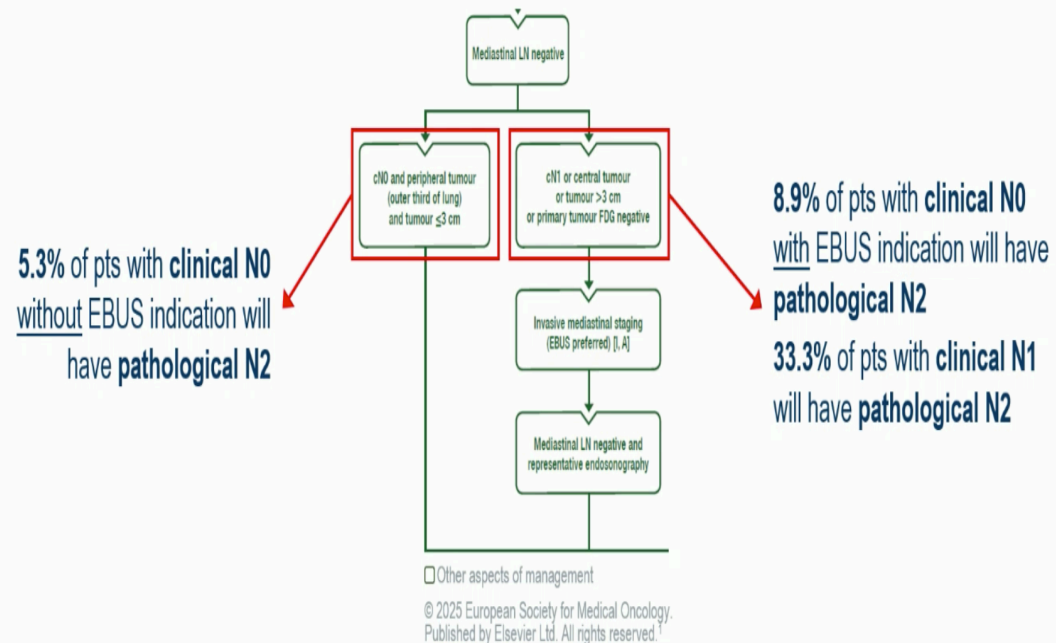


c, clinical; CBC, complete blood count; CPET, preoperative cardiopulmonary exercise test; DLCO, diffusing capacity of the lungs for carbon monoxide; EBUS, endobronchial ultrasound; EUS, endoscopic ultrasound; FDG, [18F]2-fluoro-2-deoxy-D-glucose; FEV₁, forced expiratory volume in 1 second; PD-L1, programmed death-ligand 1; PS, performance status; TTF-1, thyroid transcription factor-1; US, ultrasound.

1. Zer A, et al. Ann Oncol 2025;online ahead of print.

Why do we need EBUS if PET is negative?

“Clean” mediastinum according to PET



EBUS, endobronchial ultrasound; FDG, [18F]2-fluoro-2-deoxy-D-glucose. Ahn Y, et al. AJR 2025;224:10.2214/AJR.24.32486.

Alona Zer

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EBUS vs mediastinoscopy

MEDIASTrial¹

No need for confirmatory mediastinoscopy after systematic endosonography	<ul style="list-style-type: none"> 178 pts post-EBUS randomised to immediate resection vs mediastinoscopy before resection Non-inferiority margin 8% Unforeseen N2 in both groups ~8% (no effect on OS) Suggesting mediastinoscopy can be omitted in negative EBUS
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Yasufuku K, et al.²

- Prospective study
- 190 pts undergoing EBUS and mediastinoscopy during same anaesthetic
- Nearly identical sensitivity, NPV and diagnostic accuracy

	EBUS	Mediastinoscopy
Sensitivity	81%	79%
NPV	91%	90%
Diagnostic accuracy	93%	93%



Muchas Gracias

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