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KEYNOTE-671:

KEYTRUDA® (pembrolizumab) in combination with platinum-containing chemotherapy as neoadjuvant therapy and then continued as adjuvant monotherapy for patients with resectable Stage II, IIIA or IIIB (N2) non-small cell lung carcinoma (NSCLC) (AJCC 8th edition) (KEYTRUDA perioperative treatment)

KEYTRUDA in combination with platinum-containing chemotherapy as neoadjuvant treatment, and then continued as monotherapy as adjuvant treatment, is indicated for the treatment of resectable non-small cell lung carcinoma at high risk of recurrence in adults.¹

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AJCC, American Joint Committee on Cancer; NSCLC, non-small cell lung carcinoma.

1. KEYTRUDA Summary of Product Characteristics. MSD. Available at: https://www.medicines.org.uk/emc/product/2498. Accessed: August 2025.







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KEYTRUDA early-stage and advanced NSCLC indications¹

- > KEYTRUDA, in combination with platinum-containing chemotherapy as neoadjuvant treatment, and then continued as monotherapy as adjuvant treatment, is indicated for the treatment of resectable non-small cell lung carcinoma (NSCLC) at high risk of recurrence in adults
- > KEYTRUDA as monotherapy is indicated for the adjuvant treatment of adults with NSCLC who are at high risk of recurrence following complete resection and platinum-based chemotherapy
- > KEYTRUDA as monotherapy is indicated for the first-line treatment of metastatic NSCLC in adults whose tumours express PD-L1 with a ≥50% TPS with no *EGFR* or *ALK*-positive tumour mutations
- > KEYTRUDA, in combination with pemetrexed and platinum chemotherapy, is indicated for the first-line treatment of metastatic non-squamous NSCLC in adults whose tumours have no *EGFR* or *ALK*-positive mutations

- > KEYTRUDA, in combination with carboplatin and either paclitaxel or nab-paclitaxel, is indicated for the first-line treatment of metastatic squamous NSCLC in adults
- > KEYTRUDA as monotherapy is indicated for the treatment of locally advanced or metastatic NSCLC in adults whose tumours express PD-L1 with a ≥1% TPS and who have received at least one prior chemotherapy regimen. Patients with EGFR- or ALK-positive tumour mutations should also have received targeted therapy before receiving KEYTRUDA
- > The recommended dose of KEYTRUDA in adults is either 200 mg Q3W or 400 mg Q6W administered intravenously over 30 minutes. For the use of KEYTRUDA as part of combination therapy, see the Summary of Product Characteristics (SmPC) for the concomitant therapies¹

Please refer to the Summary of Product Characteristics and Risk Minimisation Materials available on the EMC website before prescribing.







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NSCLC DFS rates by stage¹

In a retrospective observational study of patients with early-stage NSCLC (Stage IB-IIIA, AJCC 7th edition), two-thirds experienced disease recurrence during 4.5 years of follow-up, even after curative resection.*1

Real-world disease-free survival (rwDFS) by stage:1

Stage	Median rwDFS	5-year rwDFS
IB	40.9 months	38.9%
II	24.4 months	29.1%
IIIA	13.8 months	21.5%



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KEYNOTE-671 indication:

KEYTRUDA in combination with platinum-containing chemotherapy as neoadjuvant treatment and then continued as monotherapy as adjuvant treatment, is indicated for the treatment of resectable non-small cell lung carcinoma at high risk of recurrence in adults¹

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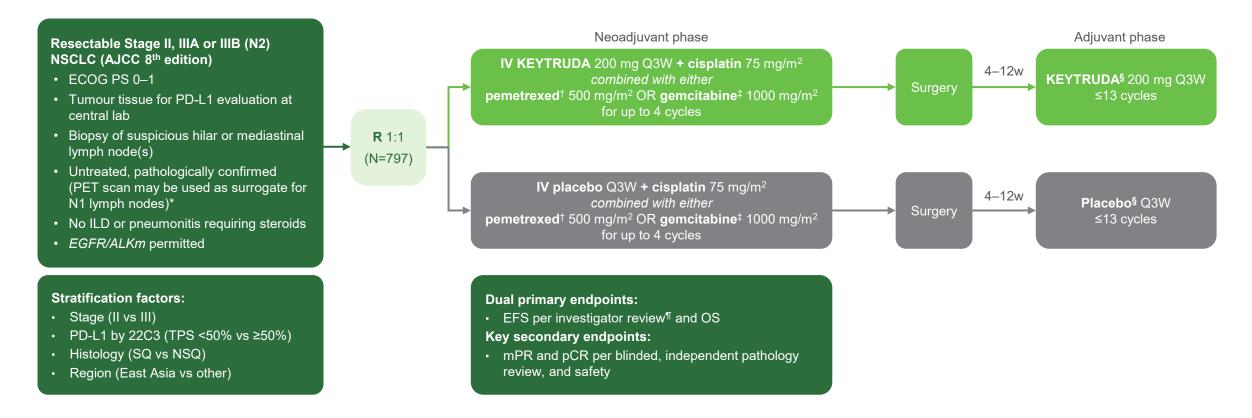


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KEYNOTE-671 study design: Randomised, double-blind, Phase III¹



Adapted from Wakelee H, et al. N Engl J Med 2023.1

*For participants with T2b and T4 tumours.¹ †Permitted for non-squamous disease only.¹ ‡Administered on Days 1 and 8 of cycle; squamous histology only.¹ §Postoperative radiation therapy could be administered for patients with R1-2 resection, extracapsular nodal disease after surgery, and those who do not undergo surgery (followed by adjuvant KEYTRUDA/placebo).¹ ¶EFS defined as time from randomisation to first occurrence of: (i) local PD precluding surgery, (ii) unresectable tumour, (iii) progression or recurrence per RECIST v1.1 by investigator, (iv) death from any cause.¹ AJCC, American Joint Committee on Cancer; ALKm, anaplastic lymphoma kinase mutation; DFS, disease-free survival; ECOG PS, Eastern Cooperative Oncology Group Performance Status; EFR, event-free survival; EGFR, epidermal growth factor receptor; ILD, interstitial lung disease; IV, intravenous; mPR, major pathological response; N1, involvement of ipsilateral hilar lymph nodes (includes direct extension to interpate the intravenous; mPR, and on-squamous cell carcinoma; OS, overall survival; pCR, pathological complete response; PET, positron emission tomography; PD, progressive disease; PD-L1, programmed death ligand 1; Q3W, every 3 weeks; R, randomised; RECIST, Response Evaluation Criteria in Solid Tumours; SQ, squamous cell carcinoma; TPS, tumour proportion score; w, weeks. 1. Wakelee H, et al. N Engl J Med 2023;389:491–503 (including protocol).



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KEYNOTE-671: Patient characteristics¹

Characteristic, n (%) Median age, years (range)		KEYTRUDA	Placebo 64 (35–81)	
		63 (26–83)		
Sex	Male	279 (70.3)	284 (71.0)	
Race	American Indian or Alaska Native	1 (0.3)	0	
	Asian	124 (31.2)	125 (31.3)	
	Black or African American	6 (1.5)	10 (2.5)	
	Multiple	3 (0.8)	10 (2.5)	
	White	250 (63.0)	239 (59.8)	
	Missing data	13 (3.3)	16 (4.0)	
Geographic region	East Asia	123 (31.0)	121 (30.3)	
	Not East Asia	274 (69.0)	279 (69.8)	
ECOG PS	0	253 (63.7)	246 (61.5)	
	1	144 (36.3)	154 (38.5)	
Histology	Non-squamous	226 (59.6)	227 (56.8)	
	Squamous	171 (43.1)	173 (43.3)	

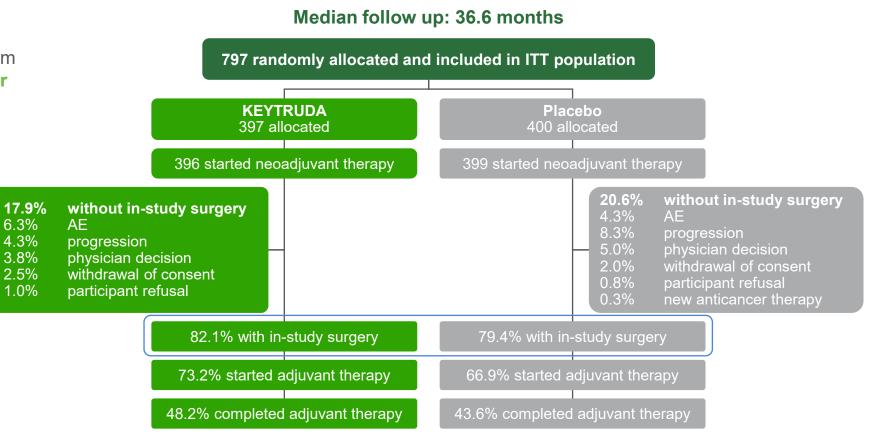
Characteristic v (9/)	KEYTRUDA	Division	
Characteristic, n (%)		KETIKUDA	Placebo
Smoking status	Current	96 (24.2)	103 (25.8)
	Former	247 (62.2)	250 (62.5)
	Never	54 (13.6)	47 (11.8)
Clinical stage	II	118 (29.7)	121 (30.3)
	IIIA	217 (54.7)	225 (56.3)
	IIIB	62 (15.6)	54 (13.5)
N status*	N0	148 (37.3)	142 (35.5)
	N1	81 (20.4)	71 (17.8)
	N2	168 (42.3)	187 (46.8)
PD-L1 TPS	≥50%	132 (33.2)	134 (33.5)
	1–49%	127 (32.0)	115 (28.8)
	<1%	138 (34.8)	151 (37.8)
Known EGFR mutation [†]		14 (3.5)	19 (4.8)
Known ALK translocation†		12 (3.0)	9 (2.3)

Adapted from Wakelee H, et al. ASCO 2023.1



KEYNOTE-671: Treatment disposition¹

Most patients underwent in-study surgery (82.1% in the KEYTRUDA arm vs 79.4% in the placebo arm), similar to other perioperative IO trials¹



Adapted from Spicer J, et al. STS 2024.1

Data cut-off date for IA2: 10 July 2023. Median follow-up: 36.6 months.1

*In the KEYTRUDA arm, 307 participants underwent surgery alone, 18 underwent in-study surgery and radiotherapy, and 17 underwent in-study radiotherapy alone. In the placebo arm, 282 participants underwent in-study surgery alone, 35 underwent in-study surgery alone, 35 underwent in-study surgery alone. All percentages are based on the number who received ≥1 dose of neoadjuvant treatment.¹

IA, interim analysis; IO, immunotherapy; ITT, intention-to-treat; R0, complete resection defined as no invasive cancer at bronchial margin or soft tissue surrounding bronchus, no invasive cancer at pulmonary artery or pulmonary vein margins or surrounding soft tissue, no invasive cancer at medial, lateral, superior and inferior margins of chest wall resection, no minimal margin distance, bronchial dysplasia is considered a negative margin.¹

1. Spicer J. et al. Presented at STS 2024.





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KEYNOTE-671: Background^{1–4}

In the Phase III KEYNOTE-671 study, neoadjuvant KEYTRUDA + chemotherapy followed by surgery and adjuvant KEYTRUDA significantly improved OS and EFS compared with neoadjuvant placebo + chemotherapy and surgery alone in resectable, early-stage NSCLC.

Summary of analyses at IA1, IA2 and IA3

		\1^{1,2} A vs placebo)	(KEYTF	IA2 RUDA v	3 vs placebo)		IA3 ⁴ DA v	s placebo)
Median follow-up	25.2	months	36	6.6 m	onths	41.1	mo	nths
OS, HR (95% CI)	,	99), p=0.02124 oundary not met)	*		3), p=0.0052 bundary met)	\		–0.92) lary met at IA2)
mOS, months (95% CI)	KEYTRUDA NR (NR–NR)	PLACEBO 45.5 (42.0–NR)	KEYTRUDA NR (NR-NR)	VS	PLACEBO 52.4 (45.7–NR)	KEYTRUDA NR (NR–NR)	VS	PLACEBO NR (50.3–NR)
EFS, HR (95% CI)	0.58 (0.46–0.72), p<0.001 (significance boundary met)		0.59 (0.48–0.72) (significance boundary met at IA1)		0.57 (0.47–0.69) (significance boundary met at IA1)			
mEFS, months (95% CI)	KEYTRUDA NR (34.1–NR)	PLACEBO 17.0 (14.3–22.0)	KEYTRUDA 47.2 (32.9–NR)	VS	PLACEBO 18.3 (14.8–22.1)	KEYTRUDA 57.1 (38.0–69.1)	VS	PLACEBO 18.4 (14.8–22.1)

^{3.} Spicer JD, et al. Lancet 2024;404:1240–1252. 4. Majem M, et al. Presented at ESMO I-O 2024. 11–13 December 2024. Geneva, Switzerland. Abstract LBA3.



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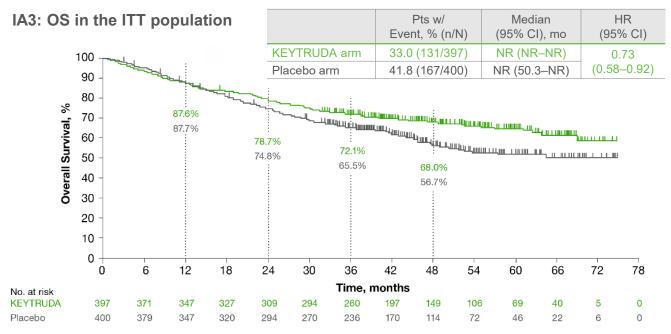


KEYNOTE-671: 3-year OS in the ITT population (IA1, IA2 and IA3)*1-3

Dual primary endpoint

Median follow-up: 25.2 months (IA1); 36.6 months (IA2); 41.1 months (IA3)

Data cut-off date: 29 July 2022 (IA1); 10 July 2023 (IA2); 19 August 2024 (IA3)



- > **At IA1**, OS was not mature, but showed a favourable trend (HR: 0.73)¹
- At IA2, the prespecified interim analysis for OS, a statistically significant and clinically meaningful OS benefit was shown with perioperative KEYTRUDA³
 - OS HR was 0.72, representing a 28% reduction in risk of death, with the upper CI clearly below unity³
- > At IA3, perioperative KEYTRUDA continued to provide improved OS vs placebo²

Adapted from Majem M, et al. ESMO 2024.2



KEYNOTE-671: OS in key subgroups (IA3)*1,2

Exploratory analysis

- No statistical conclusions can be drawn from exploratory analyses
- The trend in OS benefit with perioperative KEYTRUDA + chemotherapy vs placebo was observed across many subgroups^{1,2}
 - The trend in OS benefit appeared to favour KEYTRUDA regardless of histology and stage^{†1,2}
 - At IA3, the relative OS benefit of perioperative KEYTRUDA + chemotherapy vs placebo was similar in participants with Stage II (HR: 0.69; 95% CI: 0.43–1.11) and Stage III (HR: 0.75; 95% CI: 0.58–0.97) disease²



Adapted from Majem M, et al. ESMO I-O 2024.2



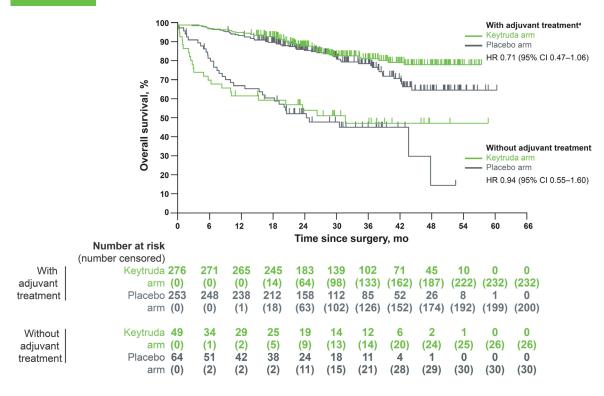
KEYNOTE-671: OS benefit of adjuvant treatment^{1–3}

Exploratory analysis

No statistical conclusions can be drawn from exploratory analyses. The possibility that both the neoadjuvant and adjuvant treatment phases contributed to the overall benefit cannot be eliminated.

- > 73.2% (290/396) of participants in the neoadjuvant KEYTRUDA + chemotherapy arm started adjuvant therapy vs 66.9% (267/399) of participants in the placebo + chemotherapy arm¹
- > 48.2% (191/396) of participants in the neoadjuvant KEYTRUDA + chemotherapy arm completed adjuvant treatment vs 43.6% (n=174/399) of participants in the placebo + chemotherapy/placebo arm completed adjuvant treatment²
- > Exploratory data suggests that KEYTRUDA demonstrated a 29% relative reduction in the risk of death vs placebo (HR: 0.71; 95% CI: 0.47–1.06) in patients who received adjuvant treatment*3
- Exploratory data suggests that KEYTRUDA + chemotherapy demonstrated a 6% relative reduction in the risk of death vs placebo + chemotherapy (HR: 0.94; 95% CI: 0.55–1.60) in patients who did not receive adjuvant treatment*3





Adapted from Garassino M, et al. Presented at ESMO 2024.3

^{*}Among patients who started adjuvant treatment, HRs for EFS and OS from the start of adjuvant therapy were 0.55 (95% CI: 0.42–0.72; N=548) and 0.71 (95% CI: 0.49–1.03; N=557), respectively.³ CI, confidence interval; EFS, event-free survival; HR, hazard ratio; IA, interim analysis; mo, months; OS, overall survival; rNSCLC, resectable non-small cell lung cancer.

^{1.} Wakelee H, et al. N Engl J Med 2023;389:491–503. 2. Spicer JD, et al. Lancet 2024;404:P1240–1252.

^{3.} Garassino M, et al. Presented at ESMO 2024.13-17 September 2024. Barcelona, Spain. Abstract OP121.

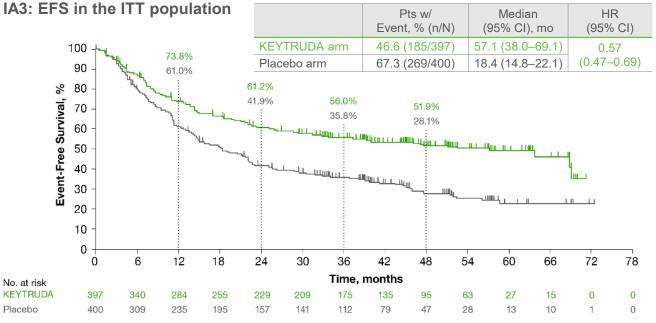


KEYNOTE-671: 3-year EFS in the ITT population (IA1, IA2 and IA3)*1-4

Dual primary endpoint

Median follow-up: 25.2 months (IA1); 36.6 months (IA2); 41.1 months (IA3)

Data cut-off date: 29 July 2022 (IA1); 10 July 2023 (IA2); 19 August 2024 (IA3)



Adapted from Majem M, et al. ESMO 2024.3

- At IA1, EFS benefit in the overall population was shown to be statistically significant and clinically meaningful^{1,2}
 - > EFS HR was 0.58 (95% CI: 0.46-0.72); p<0.001²
 - Median EFS was not reached in the perioperative KEYTRUDA arm and was 17 months in the placebo arm²
- At IA2, with an additional 11 months of follow-up, benefit was sustained with HR 0.594
 - Median EFS was more than doubled, being 47.2 months with KEYTRUDA vs 18.3 months with placebo⁴
 - 3-year EFS was 54% with pembrolizumab vs 35% with placebo⁴
- At IA3, with an additional 16 months of follow-up, benefit was sustained with HR 0.57³

Statistical testing for EFS was demonstrated at IA1, and therefore EFS was not formally tested at IA3.1,3 *Event-free survival defined as time from randomisation to first occurrence of local progression precluding planned surgery, unresectable tumour, progression or recurrence per RECIST version 1.1 by investigator assessment, or death from any cause.²

CI, confidence interval; EFS, event-free survival; HR, hazard ratio; ITT, intention-to-treat.

^{1.} Wakelee H, et al. Presented at ASCO. 2–6 June 2023; Chicago, Illinois, USA. Abstract: LBA100. 2. Wakelee H, et al. N Engl J Med 2023; 389:491–503.

^{3.} Majem M, et al. Presented at ESMO I-O 2024. 11–13 December 2024. Geneva, Switzerland. Abstract LBA3. 4. Spicer J, et al. Presented at ESMO 2023.

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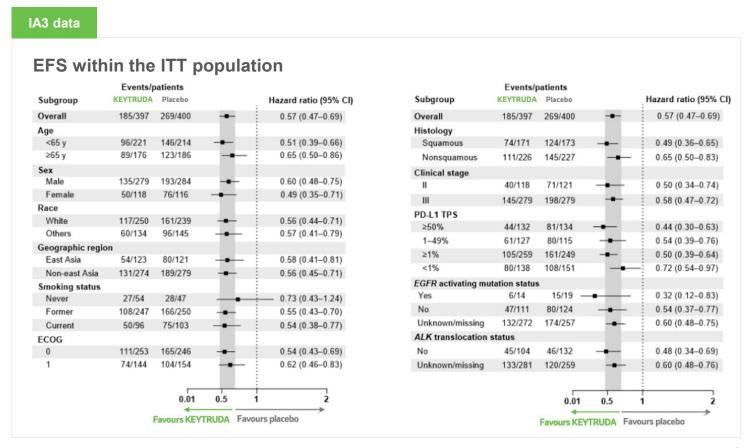
SUMMARY



KEYNOTE-671: EFS in key subgroups (IA3)*1-3

Exploratory analysis

- No statistical conclusions can be drawn from exploratory analyses
- The EFS benefit with perioperative KEYTRUDA
 + chemotherapy vs placebo was relatively
 consistent across most subgroups and
 regardless of PD-L1 expression¹⁻³
 - > The EFS benefit appeared to be similar regardless of histology and stage^{†1-3}
 - The EFS benefit was observed regardless of PD-L1 status^{1–3}
 - > At IA3, in the PD-L1 TPS subgroup analysis, the greatest EFS benefit was observed in participants with PD-L1 TPS ≥50% (HR: 0.44; 95% CI: 0.30–0.63)³
 - At IA3, an EFS benefit was observed in participants with PD-L1 TPS <1% (HR: 0.72; 95% CI: 0.54–0.97)³



Adapted from Majem M, et al. ESMO I-O 2024.3

IA1: Data cut-off: Jul 29, 2022; Median follow-up: 25.2 months; 1A2: Data cut-off: Jul 10, 2023; Median follow-up: 36.6 months; 2 IA3: Data cut-off: Aug 19, 2024; Median follow-up: 41.1 months. 3

No conclusions can be drawn from exploratory analyses. *EFS is defined as the time from randomisation to the first occurrence of local progression that precluded the planned surgery, unresectable tumour, progression or recurrence according to RECIST v1.1, or death from any cause. *1-3 †Subgroups for Stage IIIA and IIIB and by N status were post hoc, while others were prespecified. *2

**ALK*, anaplastic lymphoma kinase; CI, confidence interval; ECOG, Eastern Cooperative Oncology Group; EFS, event-free survival; EGFR, epidermal growth factor receptor; HR, hazard ratio; IA, interim analysis; ITT, intention to treat; PD-L1, programmed death-ligand 1; RECIST v1.1,

Response Evaluation Criteria in Solid Tumours version 1.1; TPS, tumour proportion score.

1. Wakelee H, et al. N Engl J Med 2023;389(6):491–503. 2. Spicer JD, et al. Lancet 2024;404:P1240–1252. 3. Majem M, et al. Presented at ESMO I-O 2024. 11–13 December 2024. Geneva, Switzerland. Abstract LBA3.



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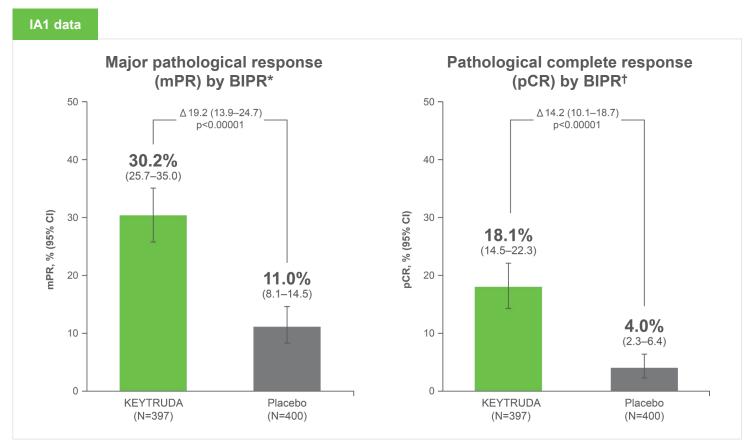
SUMMARY



KEYNOTE-671: pCR and mPR^{1,2}

Secondary analysis

- Significantly higher rates of pathologic response were seen in the KEYTRUDA arm^{1,2}
 - Note that the majority of patients did not achieve a pCR (~82%) or an mPR (~70%)^{1,2}
 - > pCR and mPR were assessed by blinded review and defined by IASLC criteria*†1,2



Adapted from Wakelee H, et al. ASCO 2023.1



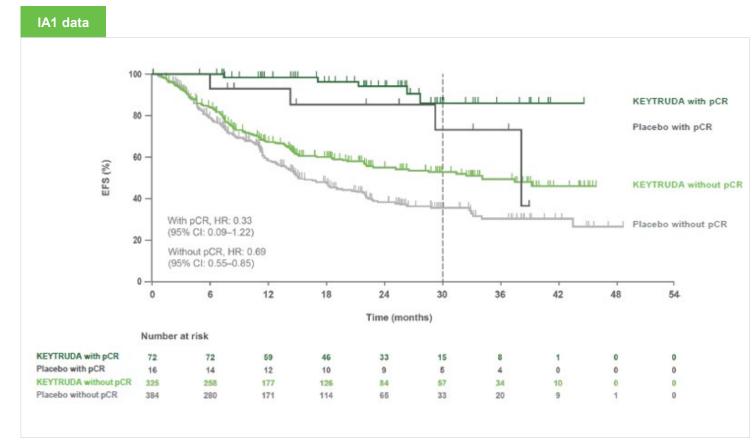
KEYNOTE-671: EFS by pCR^{1,2}

Exploratory analysis

- Exploratory data from IA1* showed EFS benefit in the perioperative KEYTRUDA group regardless of whether participants had a complete pathologic response or not^{1,2}
 - > With pCR, HR: 0.33; without pCR, HR: 0.691
- The EFS benefit in those without pCR is particularly important as it suggests a specific benefit from adjuvant KEYTRUDA

As seen in other trials there is evidence to support pCR as a surrogate endpoint for survival³

However, the majority of patients do not achieve a pCR or mPR and a high unmet medical need exists for this group^{1,2}



Adapted from Wakelee H, et al. N Engl J Med 2023.2

^{*}Exploratory analysis from IA1 was not updated at IA2 as the updated EFS in the ITT was consistent with IA1.1.2

Cl, confidence interval; EFS, event-free survival; HR, hazard ratio; IA, interim analysis; ITT, intention-to-treat; pCR, pathological complete response.

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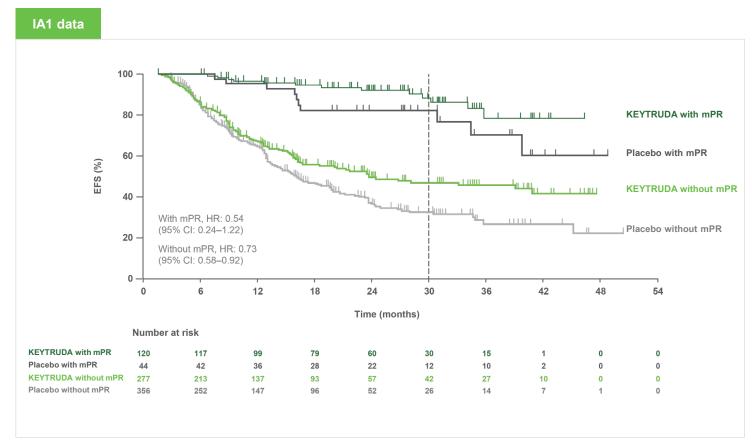
SUMMARY



KEYNOTE-671: EFS by mPR^{1,2}

Exploratory analysis

- Exploratory data from IA1* showed EFS benefit in the perioperative KEYTRUDA group regardless of whether participants had a major pathological response or not^{1,2}
 - > With mPR, HR: 0.54; without mPR, HR: 0.731



Adapted from Wakelee H, et al. N Engl J Med 2023.2

^{*}Exploratory analysis from IA1 was not updated at IA2 as the updated EFS in the ITT was consistent with IA1.1.2

CI, confidence interval; EFS, event-free survival; HR, hazard ratio; IA, interim analysis; ITT, intention-to-treat; mPR, major pathologic response.

^{1.} Wakelee H, et al. KEYNOTE-671: Randomised, double-blind, Phase 3 study of pembrolizumab or placebo plus platinum-based chemotherapy followed by resection and pembrolizumab or placebo for early-stage NSCLC. ASCO. 2–6 June 2023. Chicago, IL, USA. Abstract: LBA100. 2. Wakelee H, et al. N Engl J Med 2023;389:491–503.

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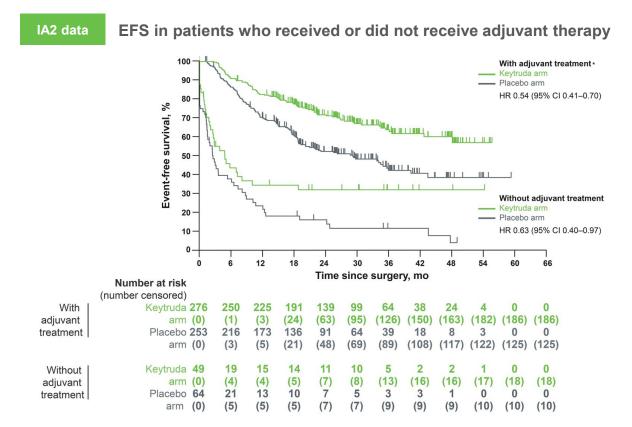


KEYNOTE-671: EFS benefit of adjuvant treatment^{1–3}

Exploratory analysis

No statistical conclusions can be drawn from exploratory analyses. The possibility that both the neoadjuvant and adjuvant treatment phases contributed to the overall benefit cannot be eliminated.

- 73.2% (290/396) of participants in the neoadjuvant KEYTRUDA
 + chemotherapy arm started adjuvant therapy vs 66.9% (267/399)
 of participants in the placebo + chemotherapy arm¹
- > 48.2% (191/396) of participants in the neoadjuvant KEYTRUDA + chemotherapy arm completed adjuvant treatment vs 43.6% (n=174/399) of participants in the placebo + chemotherapy/ placebo arm completed adjuvant treatment²
- > Exploratory data suggests that KEYTRUDA demonstrated a 46% relative reduction in the risk of an event vs placebo (HR: 0.54; 95% CI: 0.41–0.70) in patients who received adjuvant treatment*3
- > Exploratory data suggests that KEYTRUDA + chemotherapy demonstrated a 37% relative reduction in the risk of an event vs placebo + chemotherapy (HR: 0.63; 95% CI: 0.40–0.97) in patients who did not receive adjuvant treatment*3



Adapted from Garassino M, et al. Presented at ESMO 2024.3

Wakelee H, et al. N Engl J Med 2023;389:491–503.
 Spicer JD, et al. Lancet 2024;404:P1240–1252.
 Garassino M, et al. Presented at ESMO 2024.13–17 September 2024. Barcelona, Spain. Abstract OP121.



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KEYNOTE-671: Surgical outcomes^{1,2}

- Most patients who received at least one dose of neoadjuvant therapy underwent in-trial surgery (82.1% in the KEYTRUDA group vs 79.4% in the placebo group)^{1,2}
- Among those who underwent surgery, the most common surgical procedure was lobectomy (78.8% vs 75.1%), and the majority of patients had complete (R0) resection (92.0% vs 84.2%)^{1,2}

IA1 data

Summary of su	urgical outcomes, n (%)	KEYTRUDA (n=325)	Placebo (n=317)
In-study surgery*	Resected	320 (98.5)	302 (95.3)
	Complete – R0	299 (92.0)	267 (84.2)
	Incomplete – R1	17 (5.2)	31 (9.8)
	Incomplete – R2	4 (1.2)	4 (1.3)
	Unresected	5 (1.5)	15 (4.7)
Surgical procedure	Lobectomy	256 (78.8)	238 (75.1)
	Pneumonectomy	37 (11.4)	39 (12.3)
	Bilobectomy	26 (8.0)	26 (8.2)
	Exploratory thoracotomy	4 (1.2)	13 (4.1)
Other		2 (0.6)†	1 (0.3)‡
30-day mortali	ty	6 (1.8)§	2 (0.6)¶

Adapted from Wakelee H, et al. ASCO 2023.2

Data cut-off date for IA1: 29 July 2022. Median follow-up: 25.2 months.1



KEYNOTE-671: Safety¹

- Most TRAEs occurred in the neoadjuvant phase, consistent with neoadjuvant chemotherapy being the main contributor¹
 - > Addition of KEYTRUDA did not substantially increase the rate of any-grade TRAEs (Δ +2.0%), high-grade TRAEs (Δ +4.1%), or discontinuation due to AEs (Δ +1.7%)¹
- The rate of TRAEs in the adjuvant phase was lower than in the neoadjuvant phase, indicating that adjuvant KEYTRUDA is generally well-tolerated¹
 - Adjuvant KEYTRUDA was associated with an increase in any TRAEs (Δ+22.7%) and high-grade TRAEs (Δ+4.4%)¹
 - > At IA1, more patients received and completed adjuvant therapy with KEYTRUDA than placebo (Δ+5.1%)¹
 - Only a small proportion discontinued adjuvant therapy due to AEs (9.3% vs 3.3%)¹

IA1 data

Completion/discontinuation by treatment phase ¹		KEYTRUDA (n=396)	Placebo (n=399)
Negodiuvent phase p (9/)	Completed 4 cycles	295 (74.5)	297 (74.4)
Neoadjuvant phase, n (%)	Discontinued due to AEs	8 (2.0)	1 (0.3)
	Underwent surgery	325 (82.1)	317 (79.4)
Surgery phase, n (%)	Did not proceed to adjuvant due to AEs	19 (4.8)	10 (2.5)
	Received adjuvant	290 (73.2)	267 (66.9)
Adjuvant phase, n (%)	Completed adjuvant	160 (40.4)	141 (35.3)
	Discontinued due to AEs	37 (9.3)	13 (3.3)

Adapted from Wakelee H, et al. N Engl J Med 2023. Supplementary appendix.1



KEYNOTE-671: 3-year AE summary in the as-treated population (IA3)¹

IA3 data

AE summary across treatment phases	KEYTRUDA (n=396)	Placebo (n=399)
Treatment-related AEs	383 (96.7)	381 (95.5)
Grade 3–5	179 (45.2)	151 (37.8)
Serious	73 (18.4)	59 (14.8)
Led to death	4 (1.0)	3 (0.8)
Led to treatment discontinuation of any drug	77 (19.4)	53 (13.3)
Immune-mediated AEs and infusion reactions*	103 (26.0)	37 (9.3)
Grade 3–5	25 (6.3)	7 (1.8)
Serious	24 (6.1)	7 (1.8)
Led to death	1 (0.3)	0
Led to treatment discontinuation of any drug	24 (6.1)	3 (0.8)

Adapted from Majem M, et al. ESMO 2024.1

- > Profile of the perioperative KEYTRUDA regimen (plus chemotherapy) was consistent with safety profiles of the individual components, and no new safety signals were seen²
- At IA3, the addition of KEYTRUDA did not substantially increase the rate of any-grade TRAEs vs placebo¹
 - Grade 3–5 TRAEs occurred in 45.2% (179/396) of the perioperative KEYTRUDA participants and 37.8% (151/399) of the placebo participants¹
 - > TRAEs led to discontinuation of all treatment in 19.4% (77/396) of participants in the perioperative KEYTRUDA arm and 13.3% (53/399) in the placebo arm¹
 - There were 5 TRAE- or imAE-related deaths in the perioperative KEYTRUDA arm and 3 in the placebo arm¹

^{*}Immune-mediated AEs and infusion reactions were based on a list of preferred terms intended to capture known risks of KEYTRUDA and were considered regardless of attribution to study treatment by the investigator.¹

AE, adverse event; IA, interim analysis; imAE, immune-mediated adverse event; TRAE, treatment-related adverse event.

^{1.} Majem M, et al. Presented at ESMO I-O 2024. Geneva, Switzerland. Abstract LBA3. 2. Spicer J, et al. Presented at ESMO 2023; abstract LBA56.



SURVIVAL

STUDY OVERVIEW EFFICACY OUTCOMES SAFETY OUTCOMES





KEYNOTE-671: Summary^{1–5}

A key to more possibilities for appropriate patients with resectable NSCLC

Efficacy of KEYTRUDA in KEYNOTE-671^{1–4}

- EFS benefit in the perioperative KEYTRUDA group was sustained over 3 years. 1–4 KEYTRUDA reduced the relative risk of an event vs placebo by:
- > **43%** in the ITT population (HR: 0.57; 95% CI: 0.41–0.69)⁴
- > **56%** in participants with PD-L1 TPS ≥50% (HR: 0.44; 95% CI: 0.30–0.63)⁴
- The reduction in relative risk with KEYTRUDA was also observed regardless of whether participants had a major or complete pathologic response:*1,2
 - With pCR HR: 0.33; without pCR HR: 0.69
 - With mPR HR: 0.54; without mPR HR: 0.73
- An OS benefit in the perioperative KEYTRUDA group was observed. KEYTRUDA reduced the relative risk of death vs placebo by:
 - > **28%** in the ITT population (HR: 0.72; 95% CI: 0.56–0.93)³
- Positive trends in the data suggest that this benefit was sustained over 3 years³

Safety profile of KEYTRUDA in KEYNOTE-671^{1–5}

After 41.1 months median follow-up, no new safety signals were identified 1-3

- > Grade 3–5 treatment-related adverse events were seen in 45.2% of those treated with KEYTRUDA vs 37.8% who received placebo^{1–4}
- The safety of KEYTRUDA as monotherapy has been evaluated in 7631 patients across tumour types in clinical studies. The most frequent adverse reactions with KEYTRUDA were fatigue (31%), diarrhoea (22%) and nausea (20%)⁵

*Exploratory analysis from IA1 was not updated at IA2, as the updated EFS in the ITT was consistent with IA1.^{2,3} The possibility that both the neoadjuvant and adjuvant treatment phases contributed to the overall benefit cannot be eliminated.

CI, confidence interval; EFS, event-free survival; HR, hazard ratio; IA, interim analysis; ITT, intention-to-treat; OS, overall survival; mPR, major pathologic response; pCR, pathological complete response.

1. Wakelee H, et al. KEYNOTE-671: Randomised, double-blind, Phase 3 study of pembrolizumab or placebo plus platinum-based chemotherapy followed by resection and pembrolizumab or placebo for early-stage NSCLC. ASCO. 2–6 June 2023. Chicago, IL, USA. Abstract: LBA100.

2. Wakelee H, et al. N Engl J Med 2023;389:491–503.

3. Spicer JB, et al. Overall survival in the KEYNOTE-671 study of perioperative pembrolizumab for early-stage NSCLC. ESMO. 20–24 October 2023. Madrid, Spain. Abstract: LBA56.

4. Majem M, et al. Presented at ESMO I-O 2024. Geneva, Switzerland. Abstract LBA3.

5. KEYTRUDA Summary of Product Characteristics. MSD. Available at: https://www.medicines.org.uk/emc/product/2498. Accessed: August 2025.



SURVIVAL

STUDY OVERVIEW EFFICACY OUTCOMES SAFETY OUTCOMES

SUMMARY



KEYTRUDA offers flexibility of dosing¹





Over 30 minutes



200 mg Q3W or 400 mg Q6W

Assessment of regimens

The recommended dose of KEYTRUDA in adults is either 200 mg every 3 weeks or 400 mg every 6 weeks administered as an intravenous infusion over 30 minutes.

For use in combination, see the Summary of Product Characteristics (SmPC) for the concomitant therapies.¹