How I treat Resectable NSCLC: The Benefits of Systemic Therapy



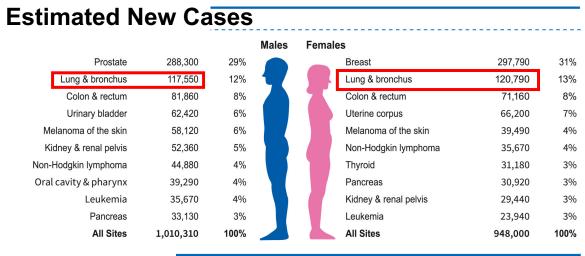
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Objectives

- Review the indications and benefits of perioperative systemic therapy in resectable NSCLC
- Review the indications for genomic and PD-L1 testing in early stage NSCLC and its impact on choice of systemic therapy
- Understand the pros and cons of neoadjuvant and adjuvant chemoimmunotherapy in the context of resectable NSCLC
- Review the indications for targeted therapy in the treatment of early stage NSCLC



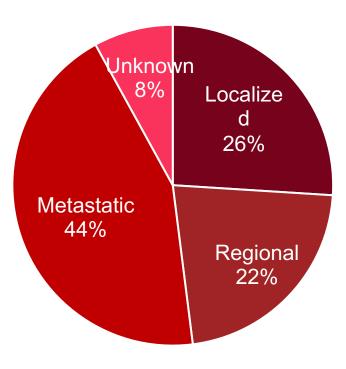
Estimated New Cancer Cases and Deaths: US 2023



Estimated Deaths

University Hospitals

				Males	Femal	es		
	Lung & bronchus	67,160	21%			Lung & bronchus	59,910	21%
	Prostate	34,700	11%			Breast	43,170	15%
	Colon & rectum	28,470	9%			Colon & rectum	24,080	8%
	Pancreas	26,620	8%			Pancreas	23,930	8%
Liver & in	trahepatic bile duct	19,000	6%			Ovary	13,270	5%
	Leukemia	13,900	4%			Uterine corpus	13,030	5%
	Esophagus	12,920	4%			Liver & intrahepatic bile duct	10,380	4%
	Urinary bladder	12,160	4%			Leukemia	9,810	3%
Non-	Hodgkin lymphoma	11,780	4%			Non-Hodgkin lymphoma	8,400	3%
Brain & oth	ner nervous system	11,020	3%			Brain & other nervous system	7,970	3%
	All Sites	322,080	100%			All Sites	287,740	100%



Resectable NSCLC: 5-year OS

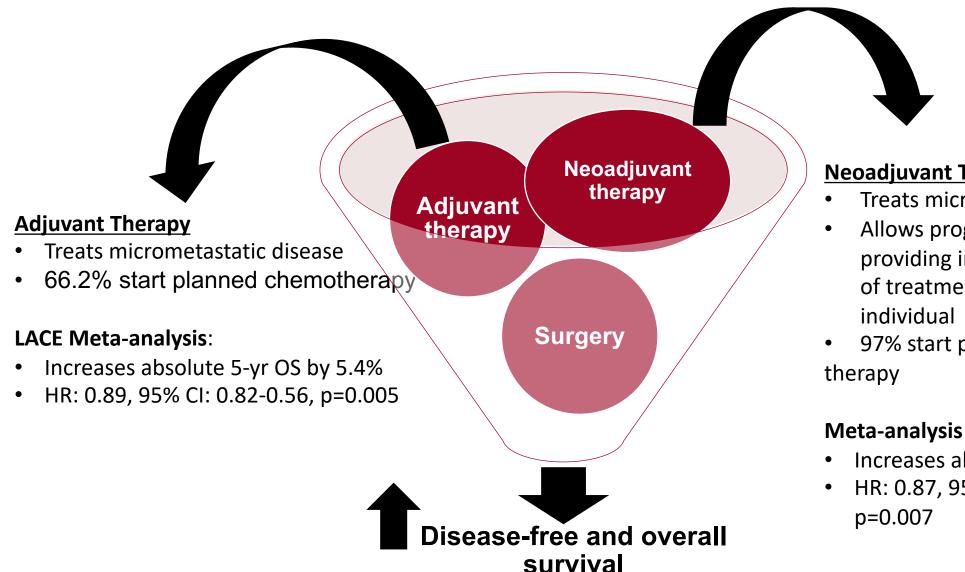
Stage	Clinical	Pathologic
IA1	92%	90%
IA2	83%	85%
IA3	77%	80%
IB	68%	73%
IIA	60%	65%
IIB	53%	56%
IIIA	36%	41%
IIIB	26%	24%

Micrometastases are highly prevalent and major cause of relapse and death

Curative treatment for operable NSCLC requires multi-disciplinary approach

Effective systemic therapies required for long-term survival improvement





Neoadjuvant Therapy

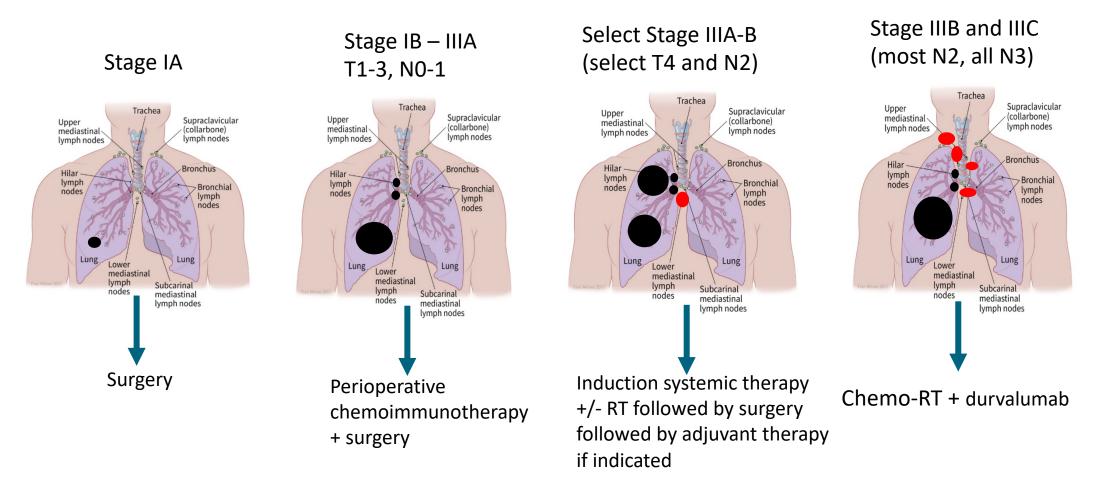
- Treats micrometastatic disease
- Allows prognostication by providing immediate "read out" of treatment efficacy for each
- 97% start planned neoadjuvant

- Increases absolute 5-yr OS by 5%
- HR: 0.87, 95% CI: 0.78-0.96,



Pignon JP, et al. J Clin Oncol. 2008;26(21):3552-3559; NSCLC Meta-analysis Collaborative Group. Lancet. 2014;383(9928):1561-1571; Felip E, et al. J Clin Oncol. 2010;28(19):3138-3145.

Multidisciplinary Treatment: Resectable NSCLC





Neoadjuvant Chemoimmunotherapy in Resectable NSCLC



Case Discussion #1

79 year-old, 40-pack-year former smoker, presented to ED with cough, chest pain and ongoing severe pain over her shins, relieved by NSAIDs. No weight loss or fatigue. PS ECOG 1

On exam: clubbing

Bronchoscopy with EBUS: 10R and 4R + for adenocarcinoma, TTF-1 +

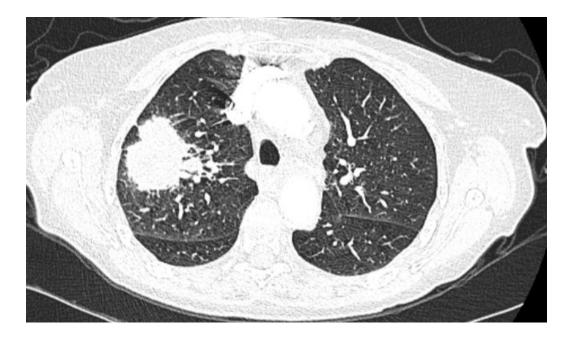
Focused NGS: KRAS G12C

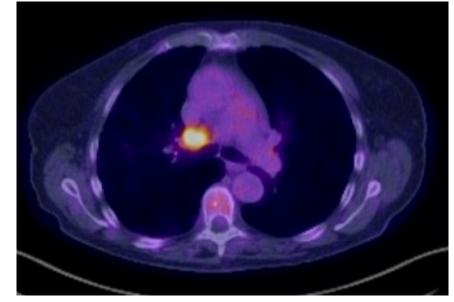
PD-L1 TPS < 1%

Brain MRI negative

Adequate PFTs

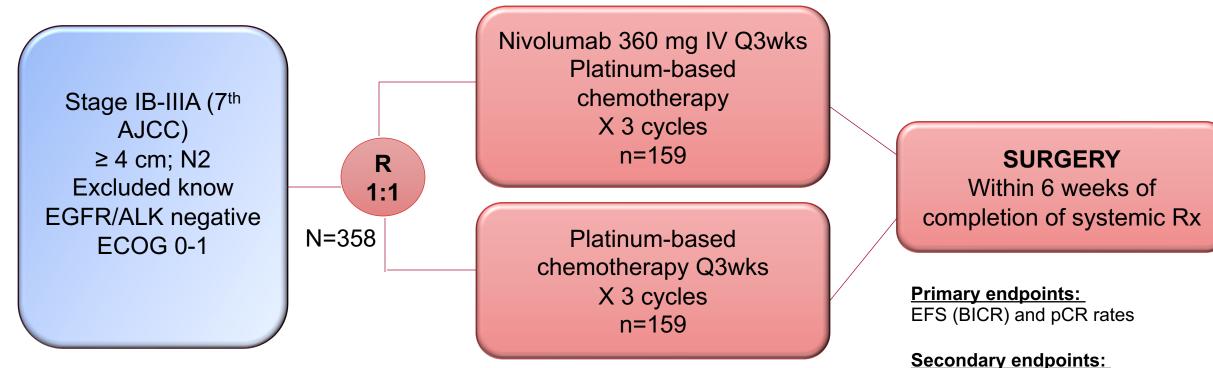
Stage IIIB (cT3 pN2 cM0) NSCLC







CheckMate 816 Study Design

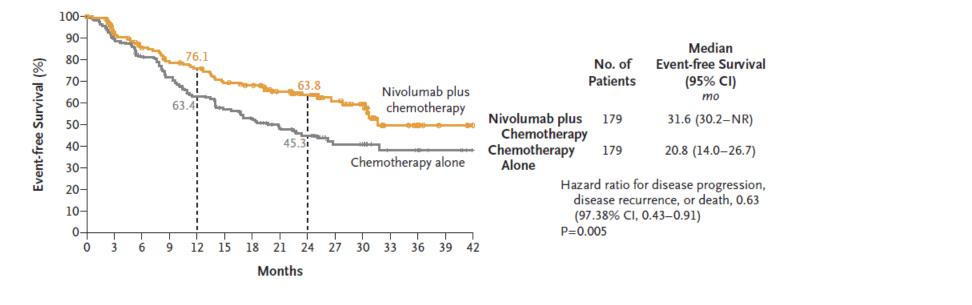


Stratification factors:

Disease stage (IB vs II vs IIIA) PD-L1 status: < 1% vs ≥1% Sex

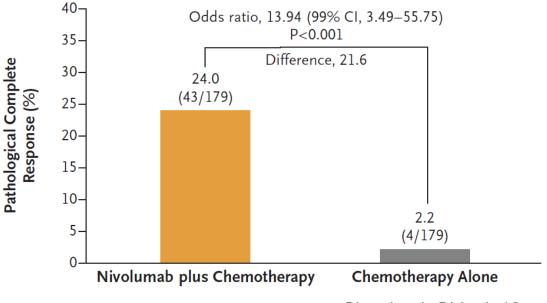


mPR, OS and TTD or distant metastasis



No. at Risk

Nivolumab plus chemotherapy	179	151	136	124	118	107	102	87	74	41	34	13	6	3	0
Chemotherapy alone	179	144	126	109	94	83	75	61	52	26	24	13	11	4	0

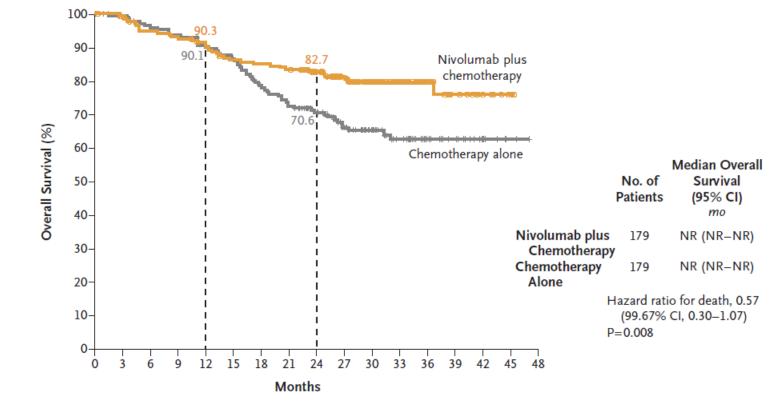




Subgroup	No. of Patients	Event-fre	dian e Survival % CI)		Unstratified Hazard Ratio for Disease Progression, Disease Recurrence, or Death (95% CI)					
		chemotherapy (N=179)	Chemotherapy alone (N=179)							
Overall	358	31.6 (30.2-NR)	20.8 (14.0-26.7)				_			0.63 (0.45-0.87)
Age	550	51.0 (50.2 111)	2000 (2000 2007)			-				0.05 (0.45 0.07)
<65 yr	176	NR (31.6-NR)	20.8 (14.0-NR)		-					0.57 (0.35-0.93)
≥65 yr	182	30.2 (23.4–NR)	18.4 (10.6-31.8)			_				0.70 (0.45-1.08)
Sex	102	50.2 (25.4 141)	10.4 (10.0 51.0)							0.70 (0.45 1.00)
Male	255	30.6 (20.0-NR)	16.9 (13.8-24.9)							0.68 (0.47-0.98)
Female	103	NR (30.5–NR)	31.8 (13.9–NR)							0.46 (0.22-0.96)
Geographic region	105	NR (50.5-NR)	51.8 (15.5-NK)							0.40 (0.22-0.90)
North America	91	NR (25.1-NR)	NR (12.8-NR)				-			0.78 (0.38-1.62)
Europe	66	31.6 (13.4–NR)	21.1 (10.2–NR)							0.80 (0.36-1.77)
Asia	177	NR (30.2–NR)	16.5 (10.8–22.7)				•			0.45 (0.29-0.71)
ECOG performance-status score		INK (50.2-INK)	10.5 (10.6-22.7)			-	-			0.43 (0.29-0.71)
0	241	NR (30.2-NR)	22.7 (16.6-NR)							0.61 (0.41-0.91)
1	117	30.5 (14.6–NR)	14.0 (9.8–26.2)							0.71 (0.41-1.21)
Disease stage at baseline	11/	50.5 (14.0-INR)	14.0 (9.0-20.2)							0.71 (0.41-1.21)
IB or II	127	NR (27.8-NR)	NR (16.8-NR)							0.87 (0.48-1.56)
IIIA	228	· · · · · ·	15.7 (10.8-22.7)			-		_		
	228	31.6 (26.6–NR)	15.7 (10.6-22.7)			_	_			0.54 (0.37-0.80)
Histologic type of tumor	100	20 C (20 0 ND)	22.7 (11.5 ND)				-			0.77 /0.40 1.22
Squamous	182	30.6 (20.0-NR)	22.7 (11.5-NR)				•			0.77 (0.49-1.22)
Nonsquamous	176	NR (27.8–NR)	19.6 (13.8–26.2)		_	-				0.50 (0.32-0.79)
Smoking status	210	21 C (20 2 ND)	22 4 (15 7 ND)			_				0.00.00.00.0000
Current or former smoker	318	31.6 (30.2-NR)	22.4 (15.7–NR)							0.68 (0.48-0.96)
Never smoked	39	NR (5.6–NR)	10.4 (7.7–20.8)		•		—			0.33 (0.13-0.87)
PD-L1 expression level	155	05 1 (14 C ND)	10 4 (12 0 26 2)							
<1%	155	25.1 (14.6–NR)	18.4 (13.9–26.2)				•			0.85 (0.54-1.32)
≥1%	178	NR (NR-NR)	21.1 (11.5-NR)			•				0.41 (0.24-0.70)
1-49%	98	NR (27.8–NR)	26.7 (11.5–NR)							0.58 (0.30-1.12)
≥50%	80	NR (NR-NR)	19.6 (8.2–NR)	-	•					0.24 (0.10-0.61)
ТМВ										
<12.3 mutations/megabase	102	30.5 (19.4–NR)	26.7 (16.6-NR)				•	_		0.86 (0.47-1.57)
≥12.3 mutations/megabase	76	NR (14.8–NR)	22.4 (13.4–NR)		_	-		-		0.69 (0.33-1.46)
Type of platinum therapy										
Cisplatin	258	NR (25.1–NR)	20.9 (15.7–NR)							0.71 (0.49-1.03)
Carboplatin	72	NR (30.5–NR)	10.6 (7.6–26.7)		-					0.31 (0.14-0.67)
			0.	125	0.25	0.50	1.00	2.00	4.00	



Nivolumab plus Chemotherapy Better Chemotherapy Alone Better





Nivolumab plus chemotherapy	179	176	166	163	156	148	146	143	122	101	72	48	26	16	7	3	0
Chemotherapy alone	179	172	165	161	154	148	133	123	108	80	59	41	24	16	7	2	0

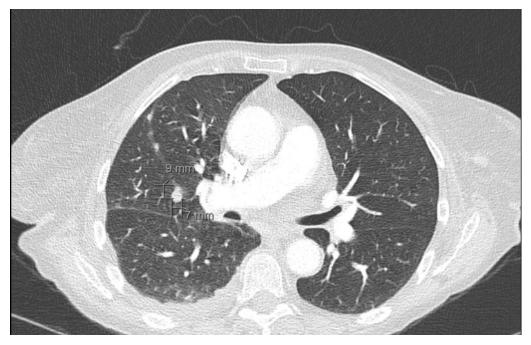


CheckMate 816: Surgical Outcomes

Surgical outcomes	Chemo + Nivolumab n=179	Chemo n=179
Definitive surgery	149 (83%)	135 (75%)
Surgery called - PD	12	17
Minimally invasive surgery	30%	22%
Conversion to open	11%	16%
Lobectomy	77%	61%
Pneumonectomy	17%	25%
R0 resection	83%	78%
Median residual viable tumor	10%	74%
Duration of Surgery (min)	184	217
Length of Hospitalization (days)	10	10.7
Any Grade Surgical AE	41%	47%
Grade 3-4 surgical AE	11%	15%



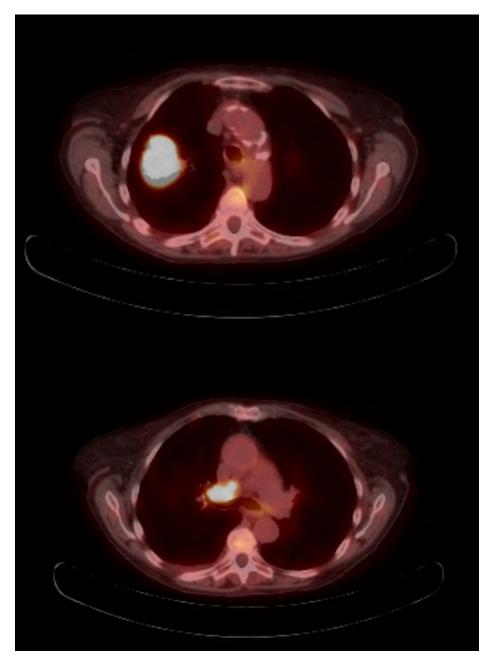
Case Discussion #1



After 2 cycles of carboplatin/pemetrexed/nivolumab: Admitted with new onset dyspnea CT/PE: new pulmonary nodules, including pleural-based (+effusion)

Pleuroscopy: papillary mesothelial hyperplasia with chronic inflammation; no evidence of malignancy RUL lobectomy: ypT3 ypN1 (1 peribronchial node) – 40% residual tumor – 4R, 9R, 10R, 11R, 7 all negative



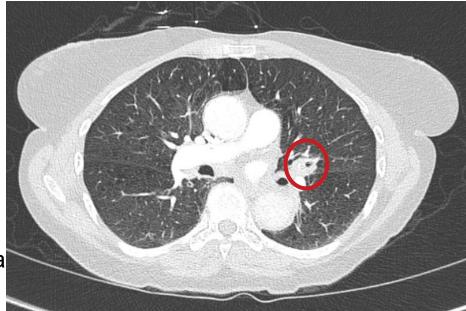


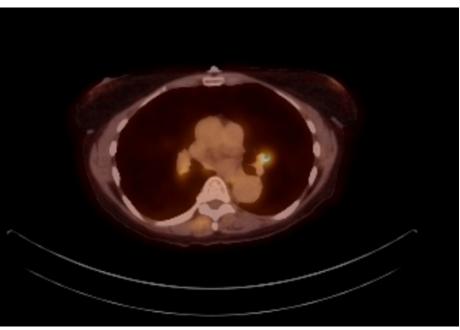
Perioperative Chemoimmunotherapy in Resectable NSCLC



Case Discussion # 2

- 69 year-old F, 50 pack-year tobacco use, undergoes a CTA for new onset dyspnea and chest pain
- Bronchoscopy with EBUS: 11L + squamous cell carcinoma
- Focused NGS: no disease associated alterations
- PD-L1 TPS 55%
- Brain MRI negative
- Adequate PFTs
- Stage IIB (cT1b pN1) NSCLC
- Cycle 1 carboplatin/paclitaxel/nivolumab complicated by
- Gr3 CIPN and neutropenia leading to hospitalization
- After 10 weeks, surgery: ypT0 ypN0 (28 nodes negative)

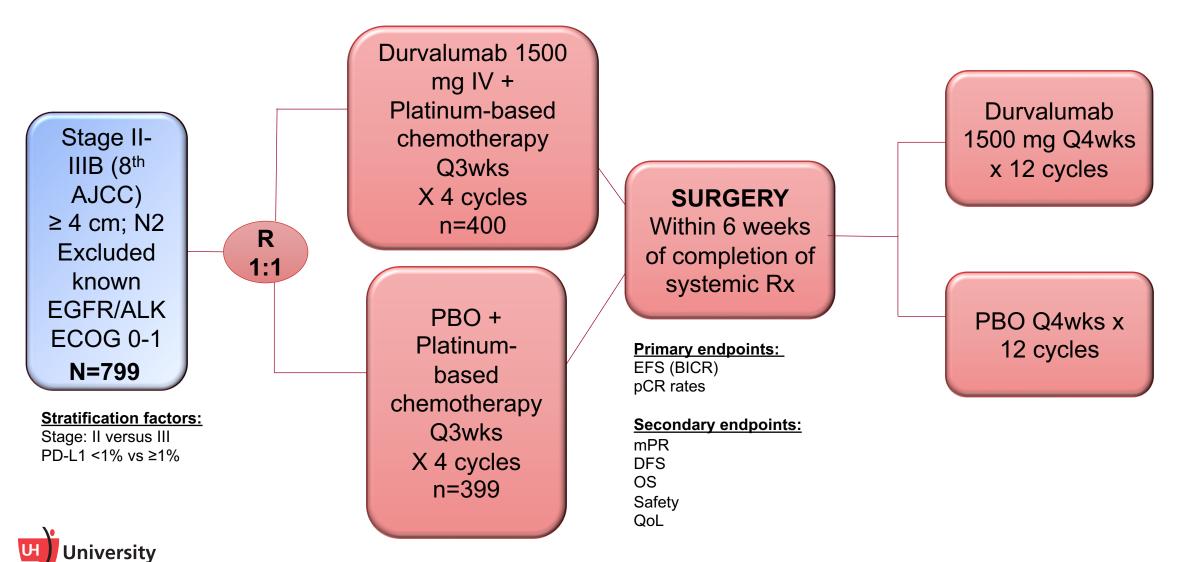






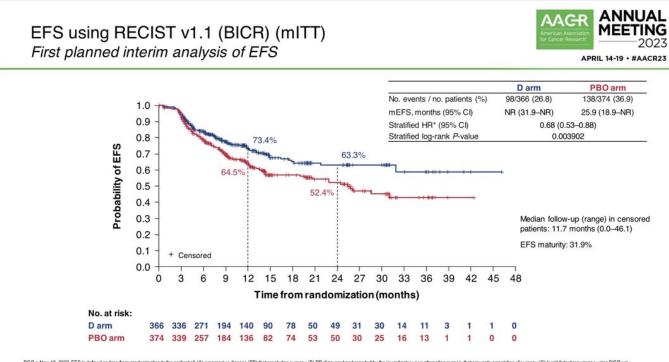
AEGEAN Study Design

Hospitals



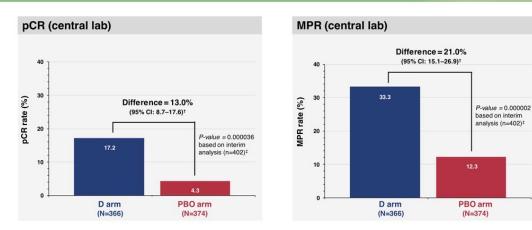
Heymach JV. Cancer Res, 2023;83 (8_Supplement): CT005

AEGEAN – EFS and pCR/MPR



Pathologic response per IASLC 2020 methodology* (mITT) *Final analysis*

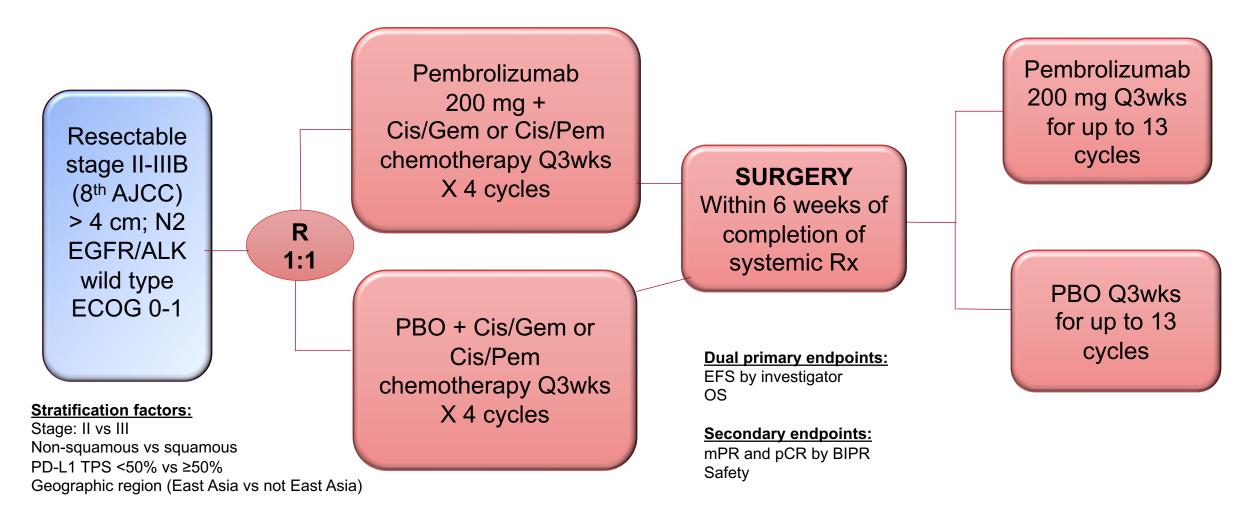




Using BALC recommendation for plantologic assumement of response to therapy, include groups assument and processing of Jumor bel (Travir) VM 2, 41 Juney Convol 2003 (17910-48), pCR = a last of any violationment of the second language assument and processing of Jumor bel (Travir) VM 2, 41 Juney Convol 2003 (17910-48), pCR = a last of any violationment of the second language assument and processing of Jumor bel (Travir) VM 2, 41 Juney Convol 2003 (17910-48), pCR = a last of any violationment of the second language assument and processing of Jumor bel (Travir) VM 2, 41 Juney Convol 2003 (17910-48), pCR = a last of any violationment of the convolution of the messed language assument and processing of Jumor bel (Travir) VM 2, 41 Juney Convol 2003 (17910-48), pCR = a last of any violationment of the convolution of the messed language assument and the pCR in all angle assument and the



KEYNOTE-671 – Study Design

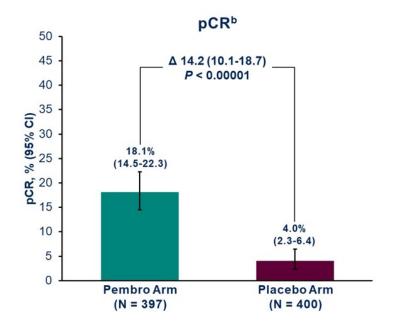




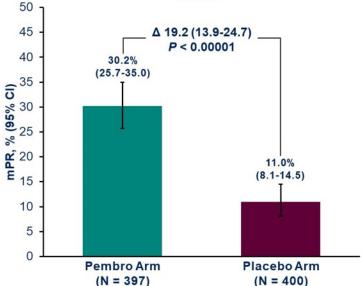
KEYNOTE-671 – EFS, pCR and MPR



EFS defined as time from randomization to first occurrence of local progression precluding planned surgery, unresectable tumor, progression or recurrence per RECIST v1.1 by investigator assessment, or death from any cause. Data cutoff date for IA1: July 29, 2022 (median follow-up, 25.2 mo [range, 7.5-50.6])



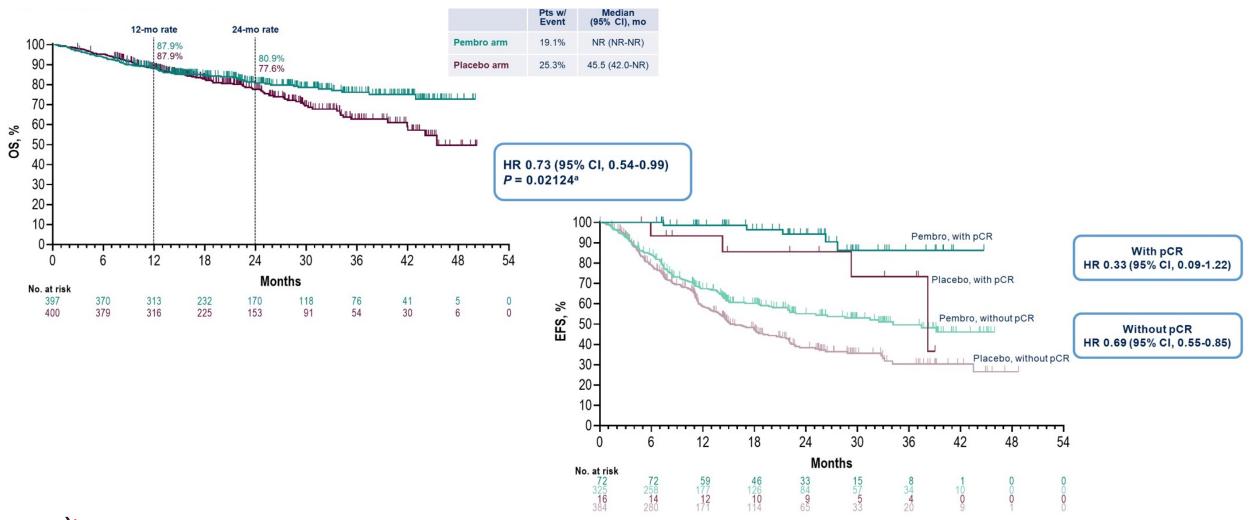




%



KEYNOTE-671 – OS and EFS by pCR





Wakelee H. N Engl J Med, 2023

The Perils of Cross-Trial Comparison

Outcomes in treatment arms	CheckMate 816 N=179	AEGEAN N=366	KEYNOTE-671 N=397 6.5% known <i>EGFR/ALK</i>
Eligibility Criteria	IB-IIIA [N2] (7 th AJCC) – tumors >= 4 cm known EGFR/ALK excluded	II-IIIB [N2] (8 th AJCC) EGFR/ALK excluded	II-IIIB [N2] (8 th AJCC)
III pts Squamous PD-L1 < 1% PD-L1 ≥ 50%	63% 47% 44% 21%	71% 46% 33% 30%	70% 43% 35% 33%
Treatment	3 cycles neoadjuvant chemo-IO 22% carboplatin	4 cycles neoadjuvant chemo-IO followed by 1 year adjuvant CIT 73% carboplatin	4 cycles neoadjuvant chemo- IO followed by 1 year adjuvant CIT No carboplatin allowed
pCR rates	24%	17.2% [OR 13.0]	18.4%
Surgery	83.2%	81%	82.1%
mEFS	31.6 months [HR 0.63]	NR [HR 0.68]	NR [HR 0.58]
EFS at 24m	64%	63.3%	62.4%
OS at 24 m	83% [HR 0.57]		80.9% [HR 0.73]

University Hospitals

Case Study # 3

69 year-old male, former smoker, presented with right shoulder and chest pain to the ED and a CTA demonstrated a 6.5 cm RUL mass.

PET scan shows + ipsilateral hilar node

EBUS: 10L + for adenocarcinoma cells. PD-L1 80%. Specimen QNS for NGS.

Brain MRI no ICM

Is this a candidate for neoadjuvant chemo-IO?





Pancoast Tumors and Borderline Resectable

Neoadjuvant and perioperative trials: only readily resectable patients!

Borderline resectable patients may be considered for neoadjuvant chemo-RT vs definitive chemo-RT

Pancoast tumor pts should always be treated with neoadjuvant chemo-RT followed by surgery and then adjuvant CIT Elligibility for neoadjuvant chemo-IO therapy: ✓ Stage II-IIIB [N2, single station, non-bulky] ✓ Readily resectable/operable

- ✓ Underwent systematic mediastinal staging
- ✓No contra-indications for CIT
- ✓NGS results available (EGFR/ALK)
- ✓PD-L1 levels will not determine candidacy for neoadjuvant chemo-IO



Adjuvant Immunotherapy in NSCLC



Case Study # 4

55 year-old male, former 10 pack-year smoker, quit 30 years ago, presents to the ED after being involved in an MVA. Chest x-rays show a RLL mass. CT imaging shows a 4.5 cm RLL speculated mass. PET scans shows no extra-thoracic disease.

EBUS + 10R for adenocarcinoma cells. Stations 4R, 7 and 4L with lymphoid specimen and all negative for malignant cells. Specimen shows PD-L1 15%. QNS for NGS.

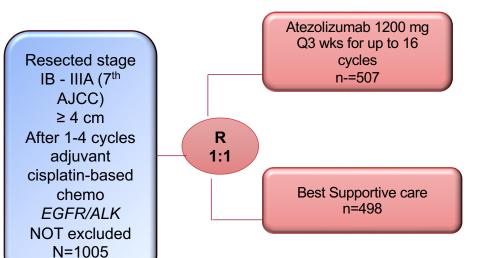
Brain MRI negative for ICM.

Pt comes to you to discuss neoadjuvant therapy.

What are your recommendations?



IMpower 010: Study Design and Patient Characteristics



	PD-L1 TC	≥ 1% II-IIIA	Intention-to-Treat group (IB-IIIA)			
	Atezolizumab n = 248	BSC n = 228	Atezolizumab n = 507	BSC n = 498		
Squamous	96 (39%)	85 (37%)	179 (35%)	167 (34%)		
Never smokers	51 (21%)	41 (18%)	114 (23%)	108 (22%)		
Stage IIIA	117 (47%)	115 (50%)	205 (40%)	208 (42%)		
Stage IB			65 (13%)	58 (12%)		

Primary endpoints:

DFS (by investigator) in stage II-III pts with PD-L1 \ge 1%* DFS (by investigator) in all stage II-III pts DFS (by investigator) in the ITT stage IB-III pts

* PD-L1 by Ventana SP 263



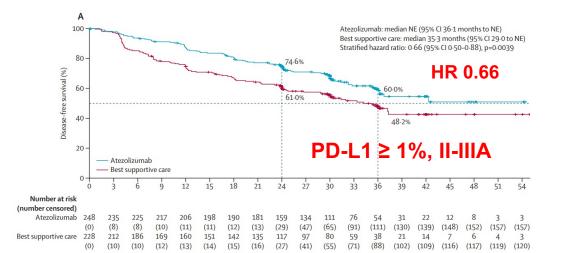
Gender Histology

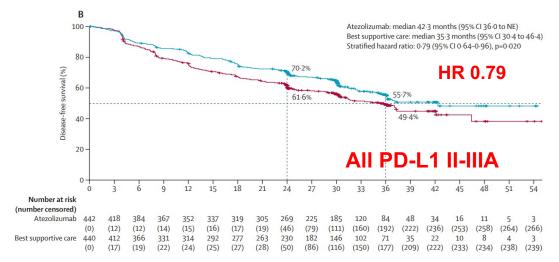
PD-L1

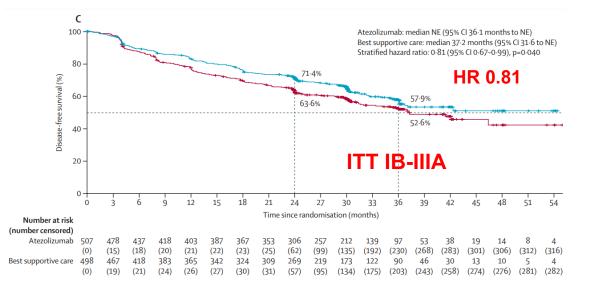
Stratification factors:

Stage: IB vs II vs IIIA

IMpower 010: DFS in II-IIIA PD-L1 ≥ 1%, all PD-L1 II-IIIA and ITT IB-IIIA



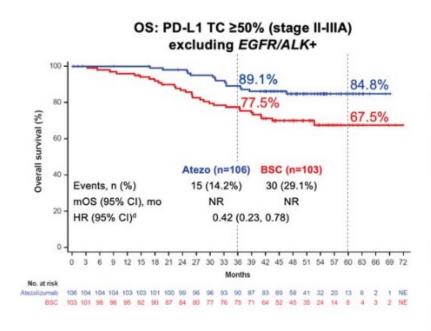




PD-L1 status by SP263						
TC <1%	181/383	36·1 (30·2-NE)	202/383	37·0 (28·6-NE)	i	0.97 (0.72-1.31)
TC ≥1%	248/476	NE (36·1-NE)	228/476	35·3 (29·0-NE)	⊢ ◆ − 1	0.66 (0.49-0.87)
TC 1-49%	133/247	32·8 (29·4–NE)	114/247	31·4 (24·0-NE)	⊢ ♦ <mark>−</mark> 1	0.87 (0.60–1.26)
TC ≥50%	115/229	NE (42·3-NE)	114/229	35·7 (29·7-NE)	⊢	0.43 (0.27-0.68)

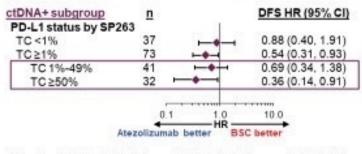


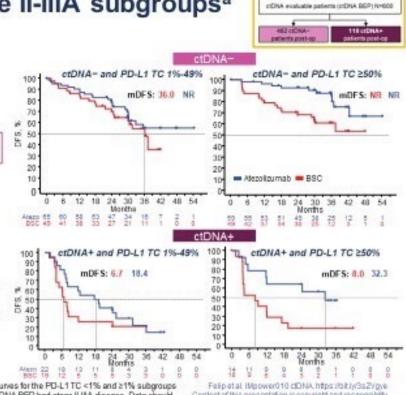
IMpower 010: Overall Survival and DFS by PD-L1 and ctDNA



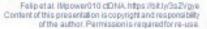
DFS by PD-L1 status in stage II-IIIA subgroups^a post-op by ctDNA status

	1	DFS HR (95% CI)
200		0.95 (0.60, 1.50)
222		0.57 (0.36, 0.90)
114		0.78 (0.43, 1.42)
108		0.35 (0.16, 0.75)
1		
0.1	1.0	10.0
	222 114 108	2263 200 222 114 108





NR. not reached. Clinical cutoff: 21 January 2021. Unstratified HRs are reported. Kaplan-Meier curves for the PD-L1TC <1% and ≥1% subgroups. have been previously presented (Zhou, et al. ESMO IO 2021. Abstract 20), 534 patients in the ctDNA BEP had stage IHIA disease. Data should be interpreted with caution due to the exploratory nature of the analysis and small sample size. "Per VENTANA SP253 IHC assay.



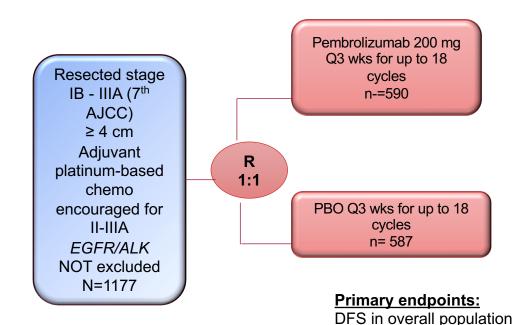
ESMO IMMUND-ONCOLOGY



1. Wakalee H. J Thorac Oncol 2022; 17:S2

2. Felip E. Annals of Oncology (2022) 16 (suppl 1): 100100-100100.

PEARLS-KEYNOTE-091: Study Design and Patient Characteristics



Stratification factors:

Adjuvant chemo: yes vs no Stage: IB vs II vs IIIA PD-L1 , 1% vs 1-49% vs ≥50% Region: Asia vs Eastern Europe vs Western Europe vs Rest of the world

University Hospitals

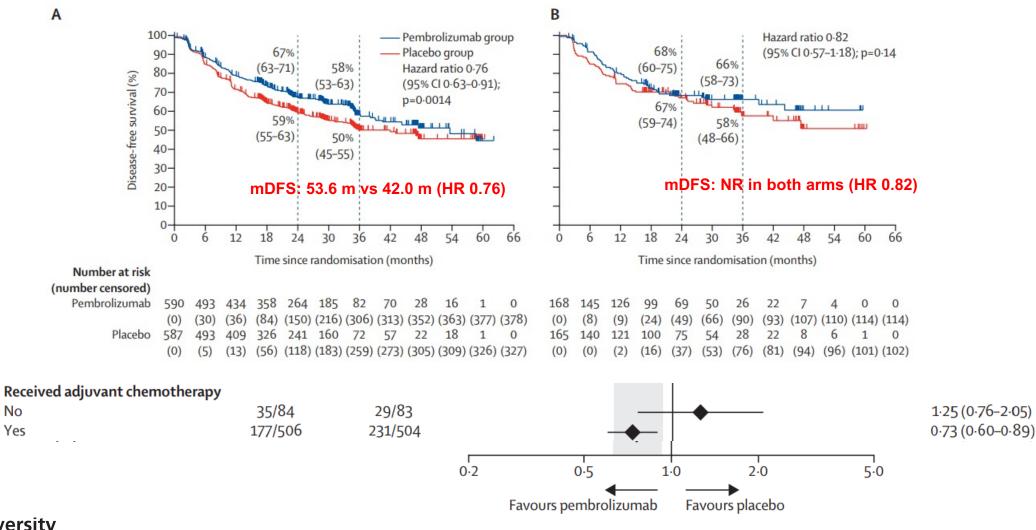
<u>Secondary endpoints:</u> DFS in PD-L1 ≥ 1%

DFS in PD-L1 \geq 50%

OS in OVerall population OS in TPS \geq 50% OS in TPS \geq 1% Lung CA specific survival Safety

	Overall ITT Popu	ulation	TPS ≥ 50%			
	Pembrolizumab n = 590	PBO n = 587	Pembrolizu mab n = 168	BSC n = 165		
Squamous	192 (33%)	224 (38%)	65 (39%)	60 (36%)		
Never smokers	87 (15%)	66 (11%)	14 (8%)	13 (8%)		
Stage IIIA	177 (30%)	162 (28%)	52 (31%)	50 (30%)		
Stage IB	84 (14%)	85 (14%)	21 (13%)	22 (13%)		
TPS ≥ 50%	168 (28%)	165 (28%)	168 (100%)	165 (100%)		
TPS < 1%	233 (39%)	232 (40%)				

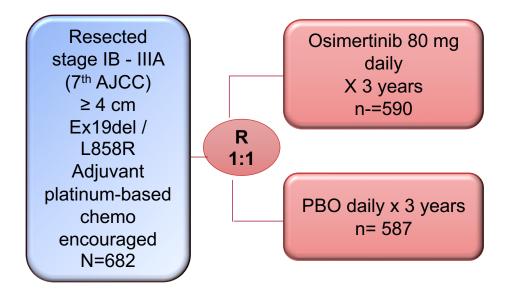
PEARLS-KEYNOTE-091: DFS





O'Brien M. Lancet, 2022; 23: 1274

ADAURA: Study Design and Patient Characteristics



Stratification factors:

Stage: IB vs II vs IIIA EGFRm: Ex19del vs L858R Race: Asian vs non-Asian

Primary endpoint:

DFS by investigator in II-IIIA

Secondary endpoints:

DFS in overall population (IB-IIIA) Landmark FDA rates OS Safety Health-related QoL

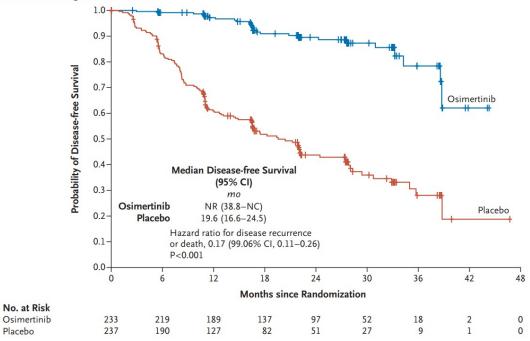
	Osimertinib n = 339	PBO n = 343
N0	41%	42%
N1	29%	28%
N2	31%	30%
Ex19del	55%	55%
L858R	45%	45%
No adjuvant chemotherapy	40%	40%



Wu Y-L. N Engl J Med, 2021;383:1711

ADAURA - DFS

A Patients with Stage II to IIIA Disease



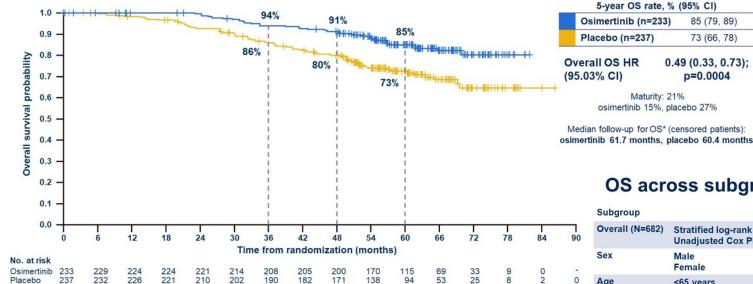
Subgroup	No. of Patients	Hazard Ratio for Disease Recurrence or Death (95% CI)		
Overall	682			
Stratified log-rank test		⊢ ●•	0.20 (0.15-0.2	
Unadjusted Cox proportional-hazards model		i i i i i i i i i i i i i i i i i i i	0.19 (0.13–0.2	
Sex			,	
Male	204		0.19 (0.10-0.3	
Female	478		0.18 (0.11–0.2	
Age				
<65 yr	380		0.16 (0.09-0.2	
≥65 yr	302		0.22 (0.13-0.3	
Smoking history			,	
Yes	194		0.10 (0.04-0.2	
No	488		0.23 (0.15-0.3	
Race			,	
Asian	434		0.21 (0.13-0.3	
Non-Asian	248	⊢	0.15 (0.07-0.2	
Stage			,	
IB	212		0.39 (0.18-0.7	
II	236		0.17 (0.08-0.3	
IIIA	234		0.12 (0.07-0.2	
EGFR mutation				
Ex19del	378		0.12 (0.07-0.2	
L858R	304		0.31 (0.18-0.4	
Adjuvant chemotherapy				
Yes	410	⊢	0.16 (0.10-0.2	
No	272		0.23 (0.13-0.4	
	0.01	0.1 1.0		
	•	Osimertinib Better	Placebo Better	



Placebo

ADAURA – OS in stage II-IIIA and across subgroups

 Adjuvant osimertinib demonstrated a statistically and clinically significant improvement in OS vs placebo in the primary population of stage II–IIIA disease



OS across subgroups: patients with stage IB / II / IIIA disease

	Subgroup		No. of events /	patients			HR	95% CI
0	Overall (N=682)	Stratified log-rank Unadjusted Cox PH	124 / 124 /				0.49 0.48	0.34, 0.70 0.33, 0.70
	Sex	Male Female	42 / 82 /		, ,	-	0.62 0.41	0.33, 1.13 0.25, 0.66
)	Age	<65 years ≥65 years	60 / 64 /				0.56 0.42	0.33, 0.94 0.24, 0.69
	Smoking history	Yes No	34 / 90 /				0.45 0.49	0.22, 0.89 0.31, 0.76
	Race	Asian Non-Asian	73 / 51 /				0.61 0.33	0.38, 0.97 0.17, 0.61
	Stage*	IB II IIIA	24 / 46 / 54 /	236		1	0.44 0.63 0.37	0.17, 1.02 0.34, 1.12 0.20, 0.64
	EGFR mutation	Ex19del L858R	65 / 59 /			-	0.35 0.68	0.20, 0.59 0.40, 1.14
	Adjuvant chemotherapy	Yes No	74 / 50 /				0.49 0.47	0.30, 0.79 0.25, 0.83
				0.1	1. HR for overall s Favors osimertinib	survival (95% CI)		Data nila# Januari 07. 2022



Case Study # 4

62 year-old female, former 10 pack-year smoker, quit 30 years ago, presents to the ED after being involved in an MVA. Chest x-rays show a RLL mass. CT imaging shows a 4.5 cm RLL speculated mass. PET scans shows no extra-thoracic disease.

EBUS + 10R for adenocarcinoma cells. Stations 4R, 7 and 4L with lymphoid specimen and all negative for malignant cells. Specimen shows PD-L1 15%. QNS for NGS.

Brain MRI negative for ICM.

Pt comes to you to discuss neoadjuvant therapy.

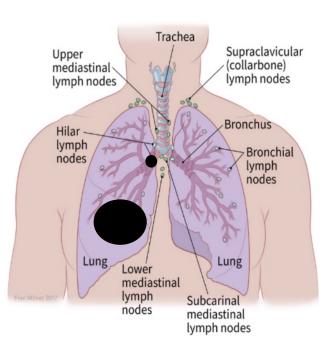
What are your recommendations?



Case Study # 4

- ✓ You discuss with the patient undergoing a repeat EBUS/Navigational bronchoscopy for more tissue so NGS can be obtained.
- ✓ Pt declines it. He asks if you can send a blood test to determine if tumor has an AGA.
- ✓ You explain the yield of ctDNA in patients with no clinical metastasis is limited and not recommended in this setting.
- ✓ Case discussed at TB -
- ✓ Pt undergoes a RUL lobectomy: pT2b pN1 (Stage IIB). Surgical specimen NGS: EGFR L858R mutation

 ✓ After 4 cycles of adjuvant cisplatin/pemetrexed, the patient begins adjuvant osimertinib.







How I Treat Resectable NSCLC

- ✓ Always discuss multi-disciplinary patients at MDT Tumor Board
- ✓ Patients with indications for adjuvant systemic therapy tumor ≥ 4 cm, + N1, single station/non-bulky N2 station, discuss neoadjuvant chemo-IO– 3 cycles are preferable to 4 similar pCR rates across trials
- ✓ Need NGS test results to decide neoadjuvant chemo-IO!
- ✓ Do not use ctDNA to test patients with no clinical metastasis it has very low yield
- ✓ If no NGS available, consider adjuvant therapy only (especially in adenocarcinoma) as surgical specimen will be tested



How I Treat Resectable NSCLC

- ✓ Always confirm with tissue any radiographic concerns of progression while pts are undergoing neoadjuvant chemo-IO – do NOT rely solely on PET scan results
- In the adjuvant setting, candidates for immunotherapy should ALWAYS receive platinum-based chemo first!
- ✓ IMpower 010 or KEYNOTE-091? Leave atezolizumab for PD-L1 TPS ≥ 50%
- ✓ Candidates for adjuvant osimertinib and stage II-III should always receive chemotherapy first if able to tolerate it (ECOG 0-1)
- Borderline operable disease: favor neoadjuvant chemo-RT followed by surgery, followed by immunotherapy or targeted therapy
- Pancoast tumors: chemo-RT
 Surgery
 Adjuvant Immunotherapy



Thank you! Always consider offering a clinical trial to your patients – it may save their lives

