

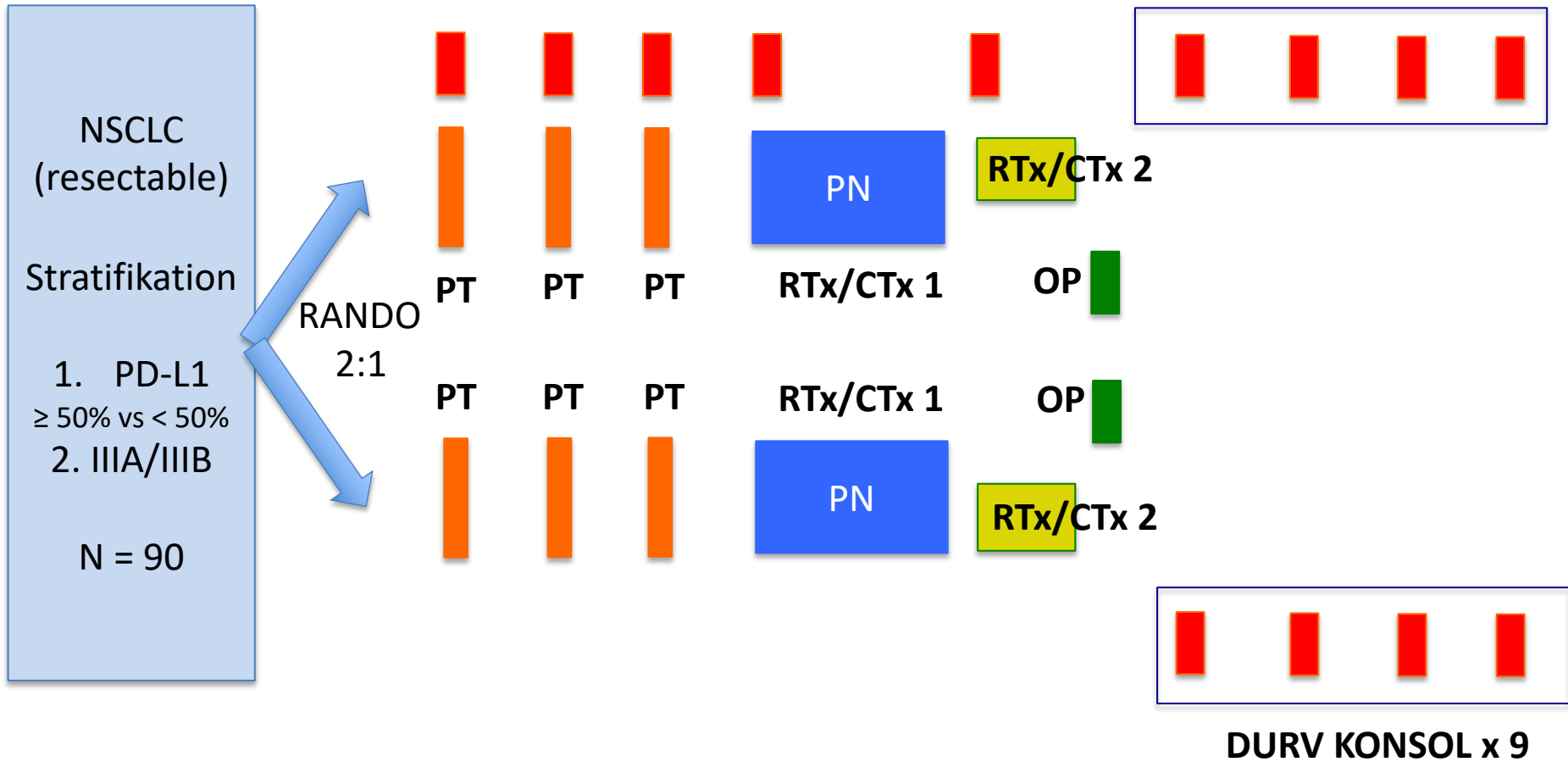


ESPADURVA

WTZ



ESPADURVA (PI PD Dr. WEE Eberhardt)



PT = Cis Pacli PN Cis Nav Durv = Durvalumab 1200 mg q d 21 Konsol = 1500 mg q d 28
 RTx/CTx 1 = 45 Gy HF RTx RTx/CTx 2 = 20 Gy

Therapiesequenzen

Kombinierter primärer Endpunkt:

H0a: PFS nach 2 Jahren in beiden Armen zusammen ist $\leq 35\%$

H0a wird abgelehnt bei ≥ 39 von 84 Patienten mit PFS nach 2 Jahren ($\alpha < 0.025$)

H0b: PFS Arm A = Arm B

H0b wird abgelehnt mit einer power $> 80\%$ bei einem HR < 0.5

Sekundärer Endpunkt

Histopath. Remission

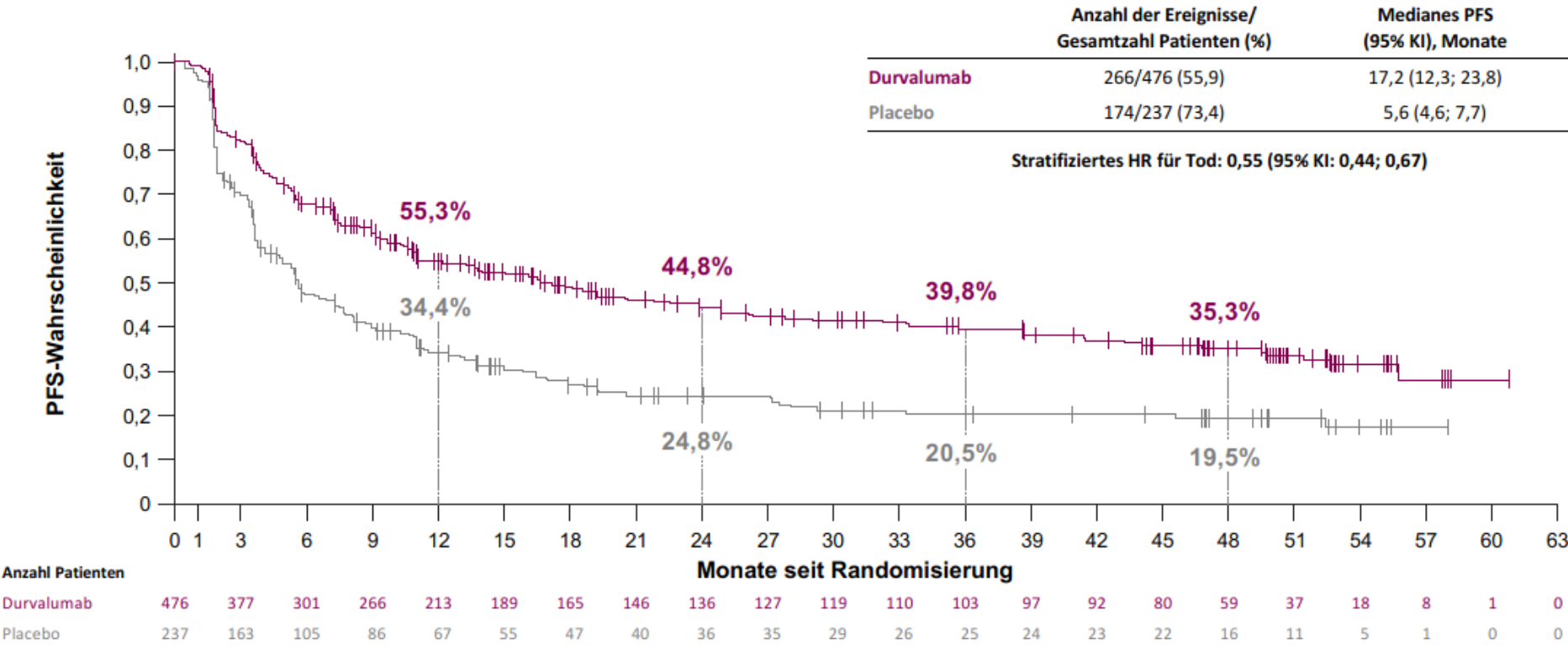
exploratorisch

Präsenz, Phänotyp und Klonalität von TILs vor und nach neoadjuvanter Therapie

Expression Immunmodulatorischer Moleküle im Tumor

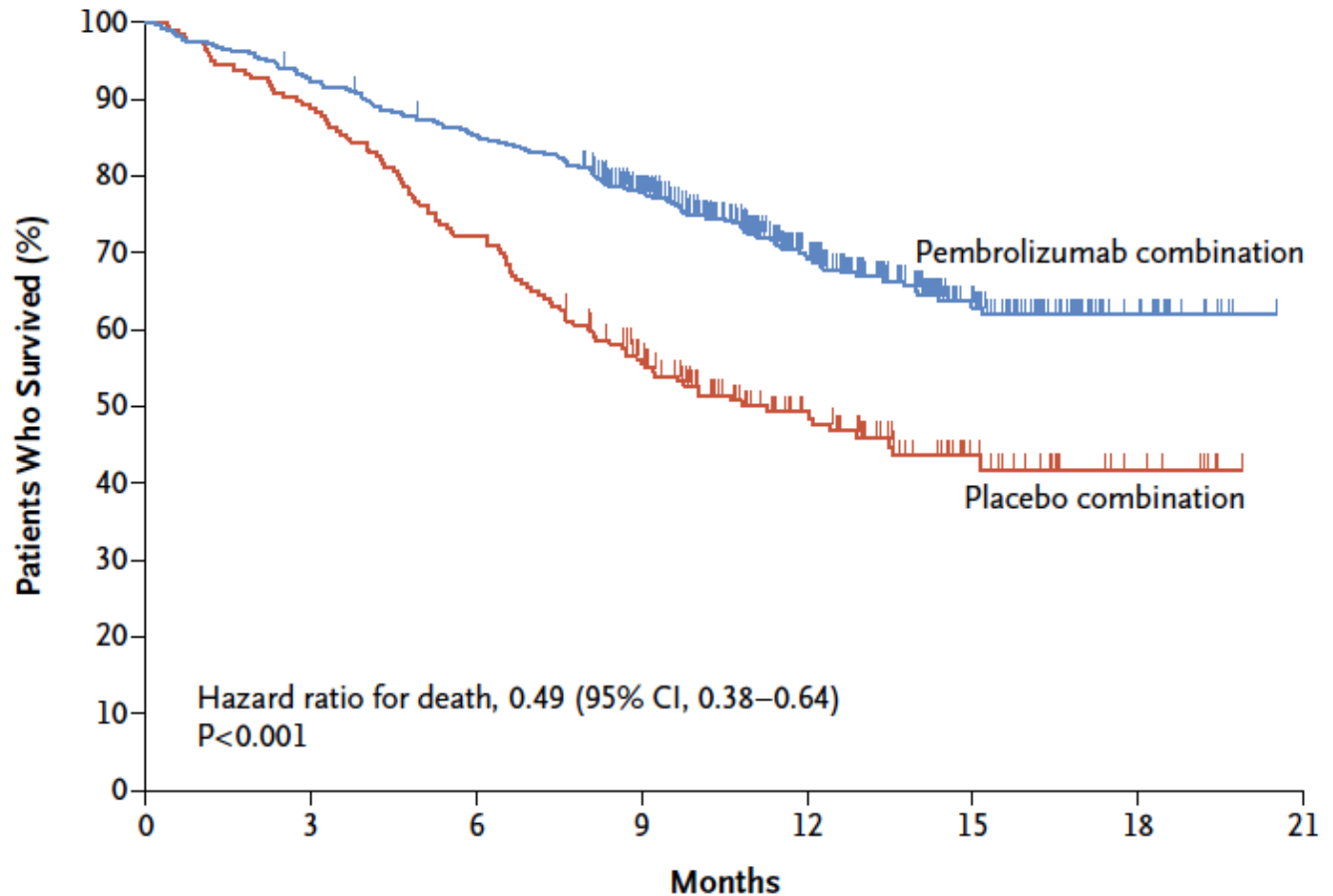
Immunantwort im peripheren Blut und den drainierenden Lk

Pacific trial on anti-PD-L1 antibody for up to 12 m as consolidation after concurrent radiochemotherapy, 4 J survival at 34 M median follow-up



Faivre-Finn C et al. Ann Oncol (2020) 31 (suppl_4); S1142-S1215

First line stage IV Adenokrazinome der Lunge: KEYNOTE-189 Cis/CarboPem + Pembro vs. Cis/CarboPem + Placebo



No. at Risk

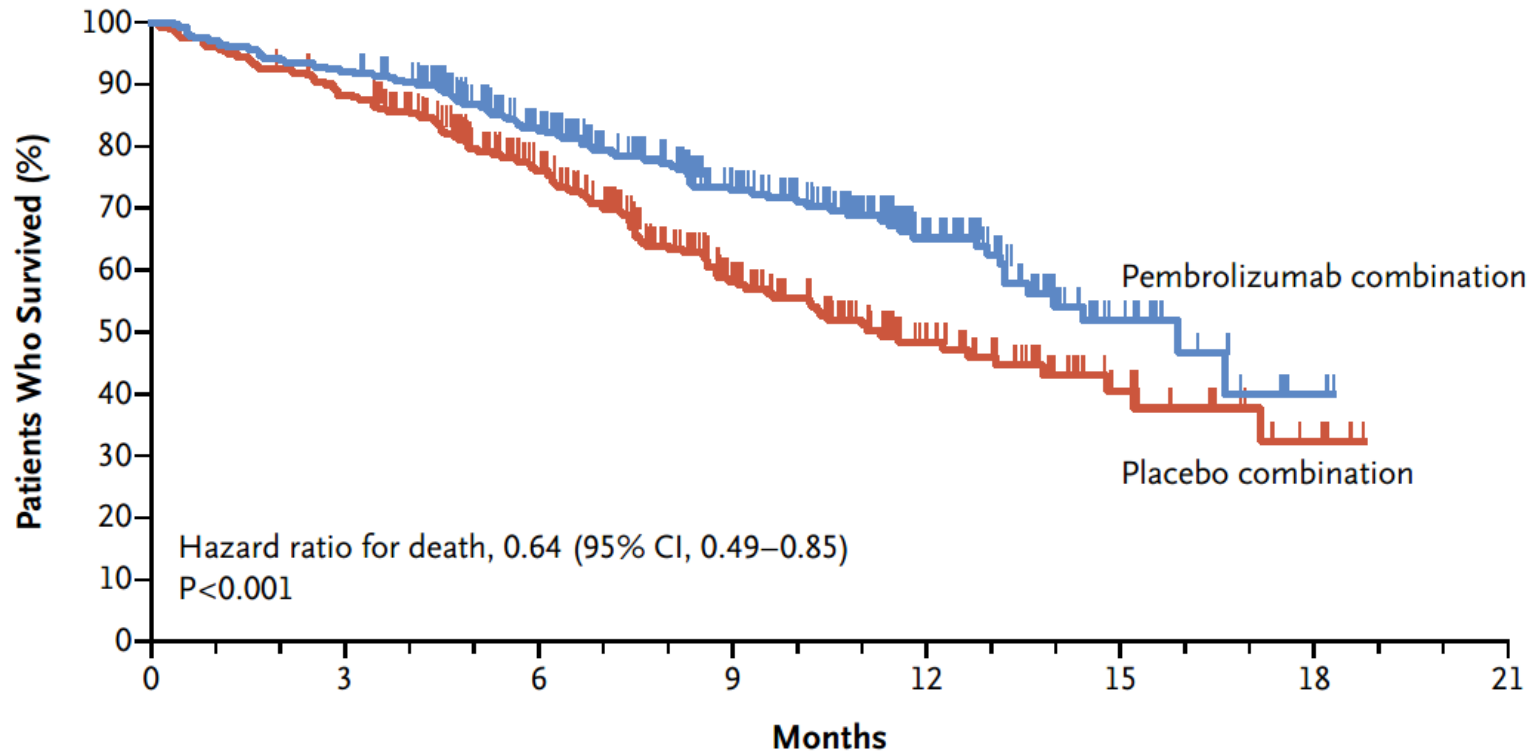
Pembrolizumab combination	410	377	347	278	163	71	18	0
Placebo combination	206	183	149	104	59	25	8	0



First line stage IV für SCC der Lunge: KEYNOTE-407

CarboTaxan + Pembro vs. CarboTaxan + Placebo

Overall Survival

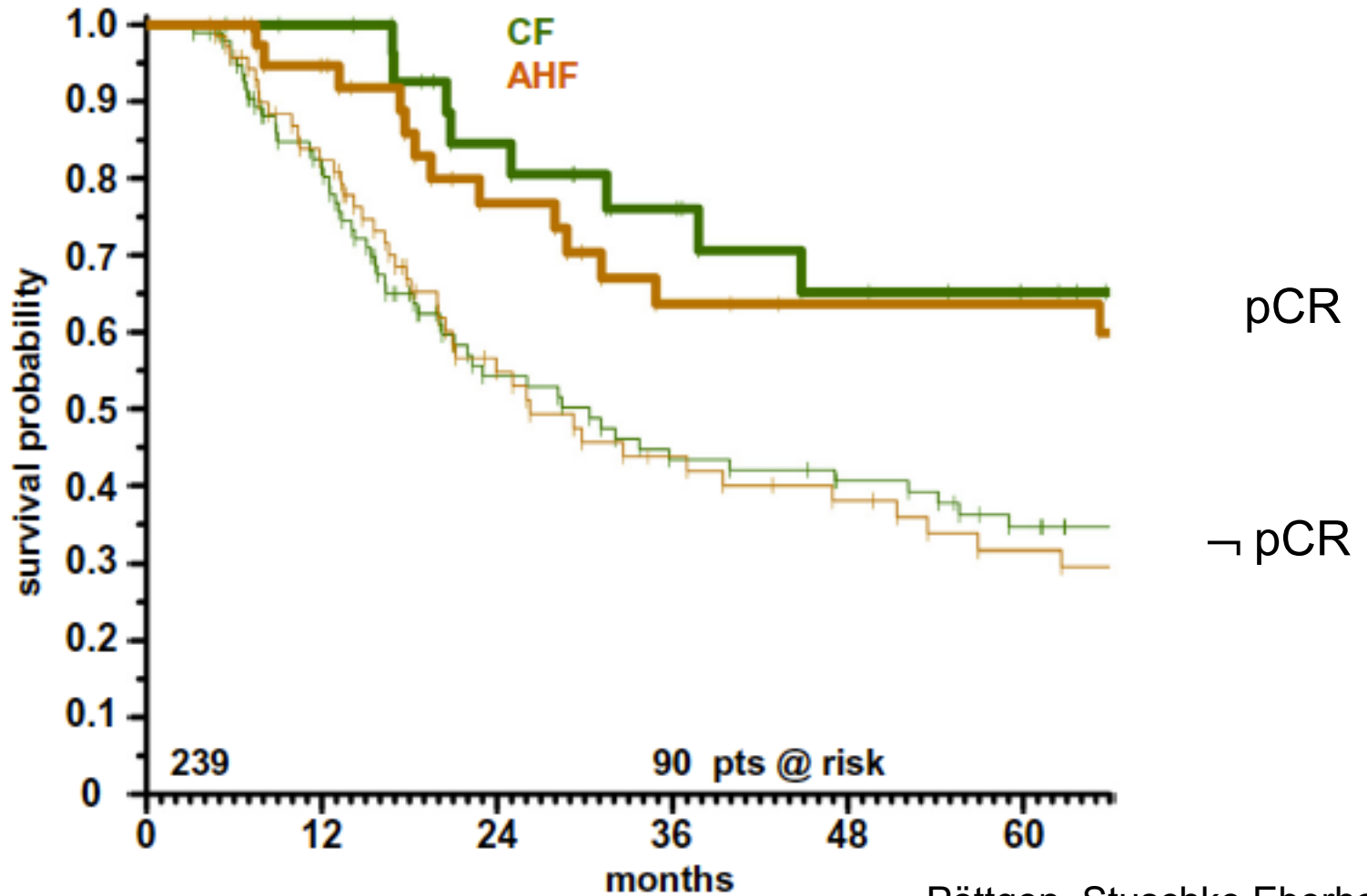


No. at Risk

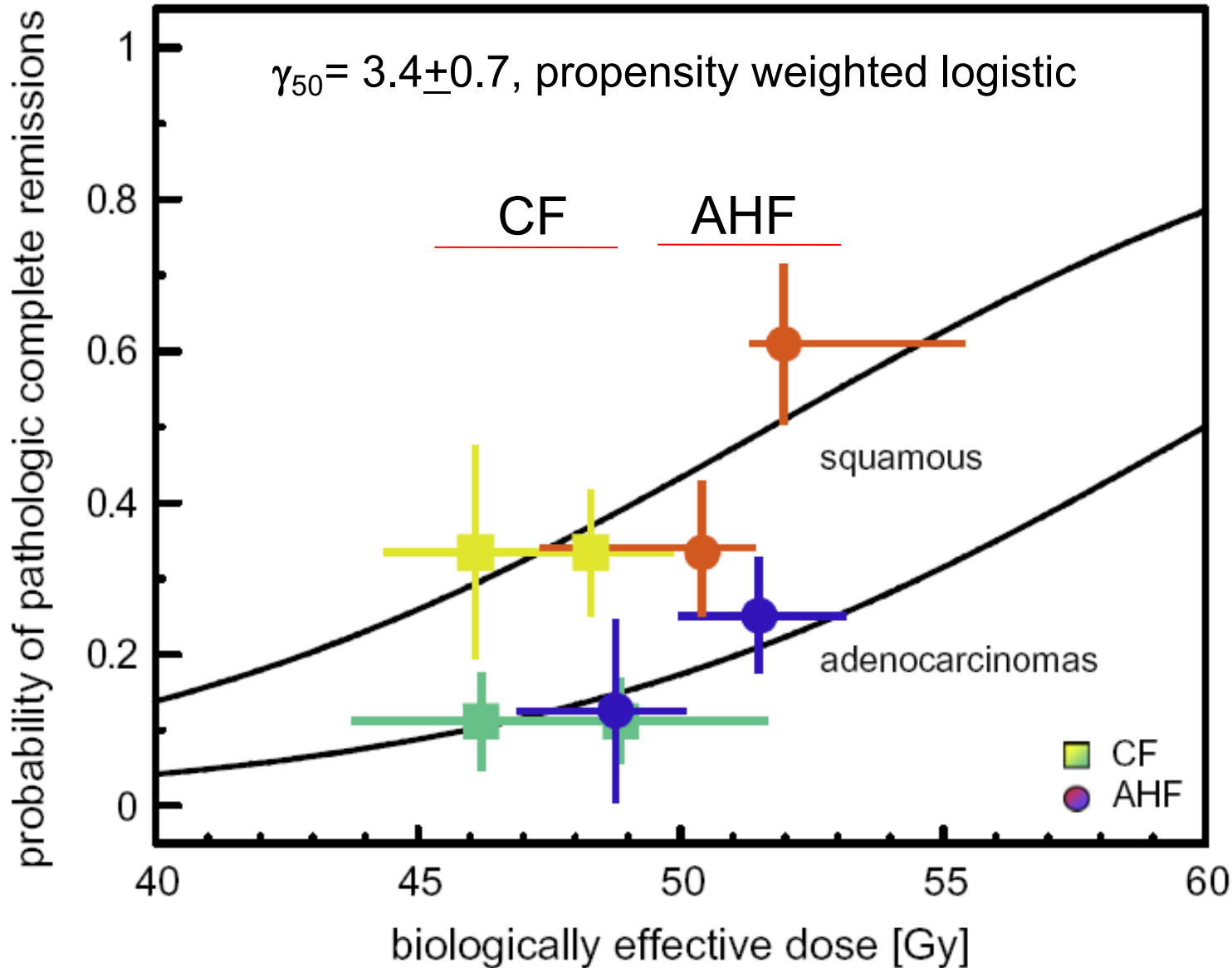
Pembrolizumab combination	278	256	188	124	62	17	2	0
Placebo combination	281	246	175	93	45	16	4	0



Survival according to pCR and fractionation schedule

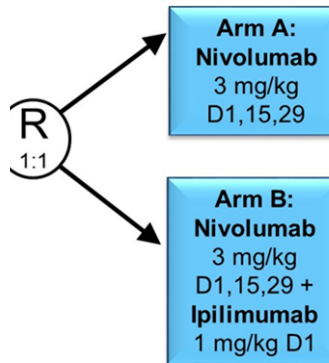


Dose-effect relation of neoadjuvant RT/CTx in NSCLC histopathologic complete response in 239 patients



IO als neoadjuvante Therapie

ASCO Meeting Library



Neoadjuvant nivolumab (N) or nivolumab plus ipilimumab (NI) for resectable non-small cell lung cancer (NSCLC): clinical and correlative results from the NEOSTAR study

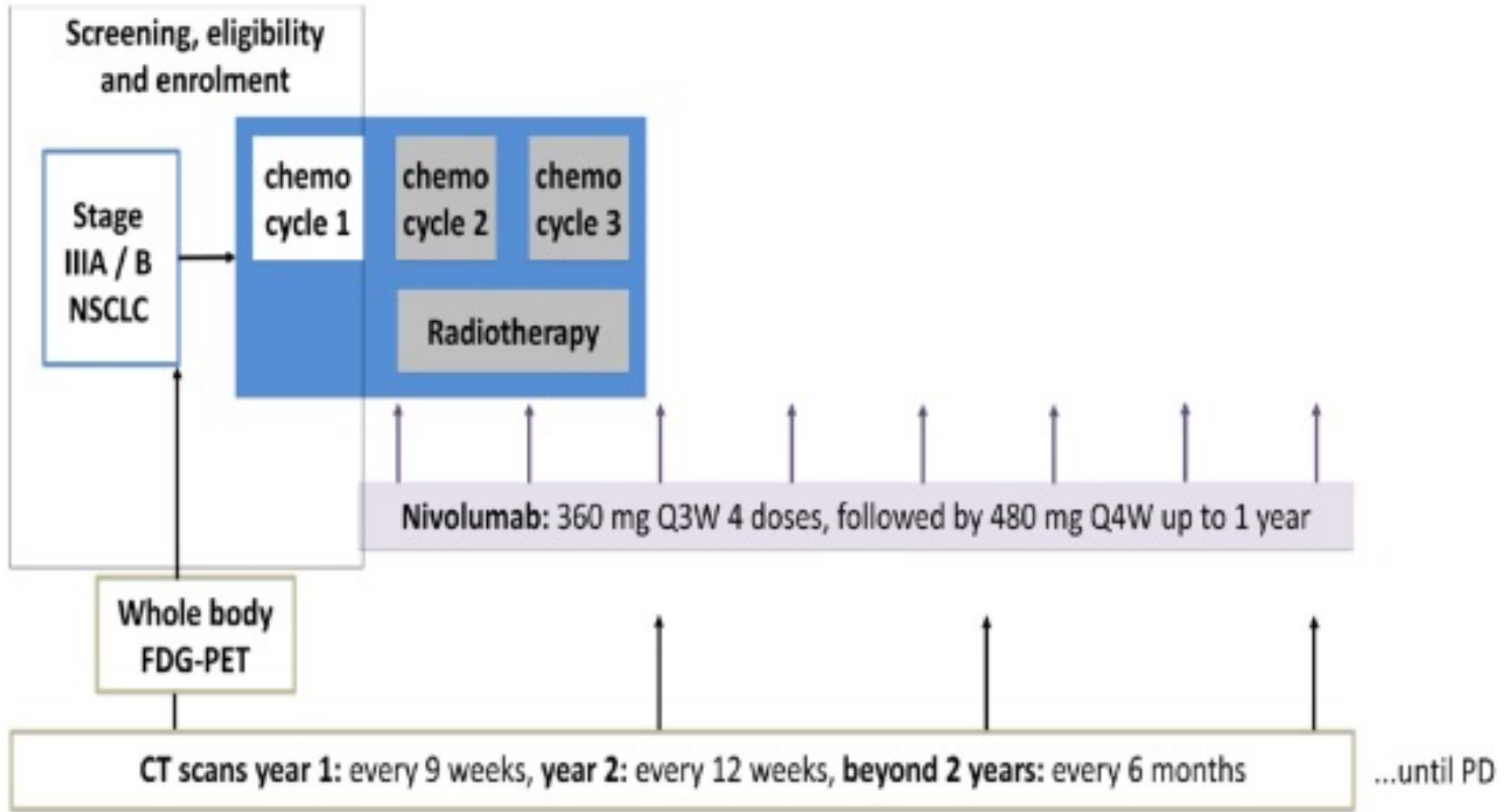
Tina Cascone¹, William N. William Jr.¹, Annikka Weissferdt², Heather Lin³, Cheuk H. Leung³, Brett W.

June 1, 2019, # 8504

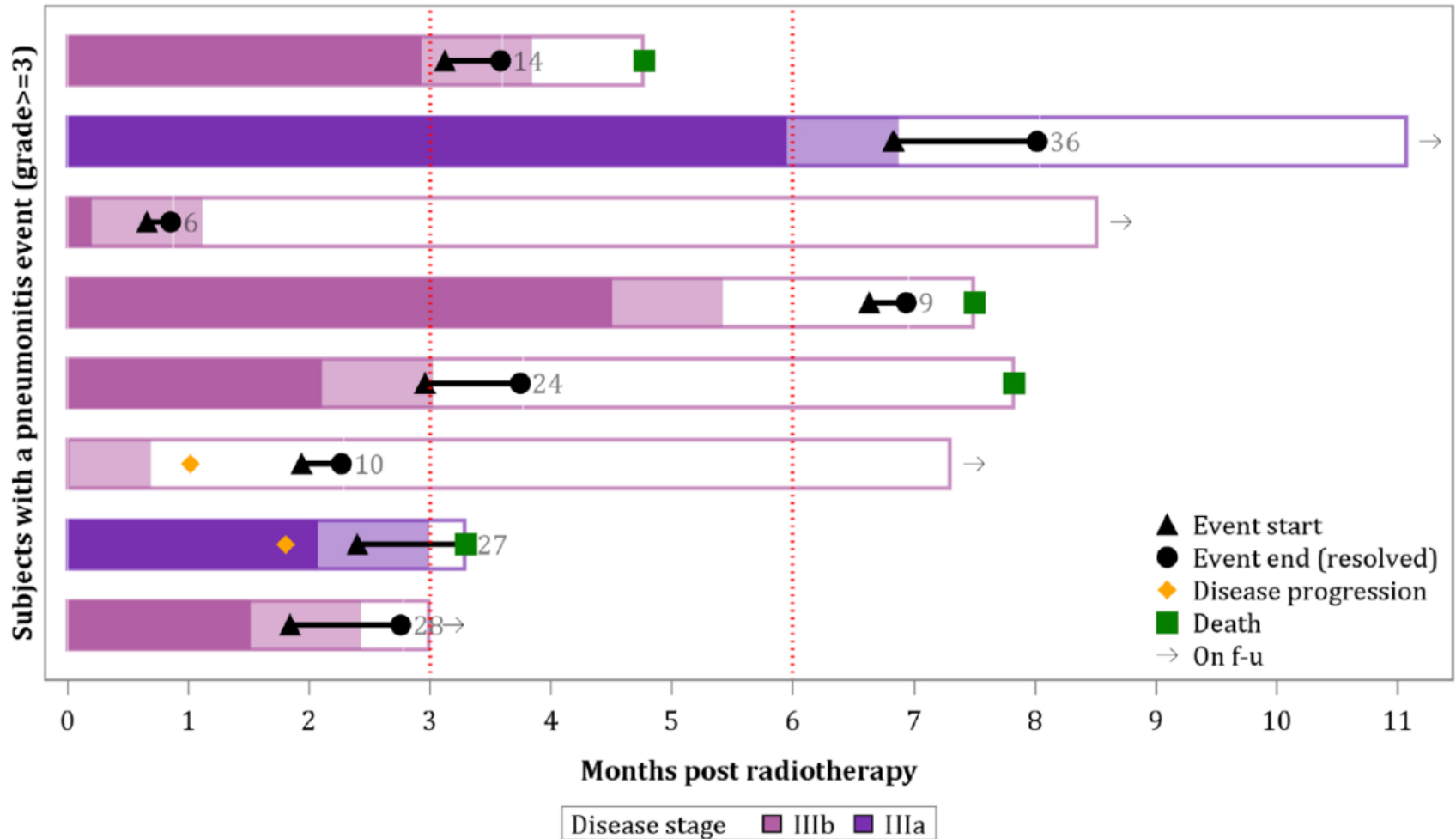
	alle	N	NI
Anzahl Patienten	44	23	21
operierte Pat.	34		
MpR (alle)		17%	33%
pCR (alle)		9%	29%
Recist PD (alle)		13%	14%
Toxizität		1xG5 Pneumonitis	1xG3 Diarrhoe
		1xG3 Hypoxie	1xG3 Hyponatriämie
Therapie PD-L1	war prädiktiv		



ETOP Nicolas Trial: Safety of Nivolumab and simultaneous Standard-Radiochemotherapy for locally advanced NSCLC



ETOP Nicolas Trial, Primary End point: pneumonitis Grade 3 in the safety cohort of 80 pts. within 6 months



pneumonitis grade 3: 8 / 80

DETERRED trial „PD-L1 blockadE To Evaluate the safety of Lung CanceR therapy using Carboplatin, Paclitaxel, and Radiaton combined with Atezolizumab“

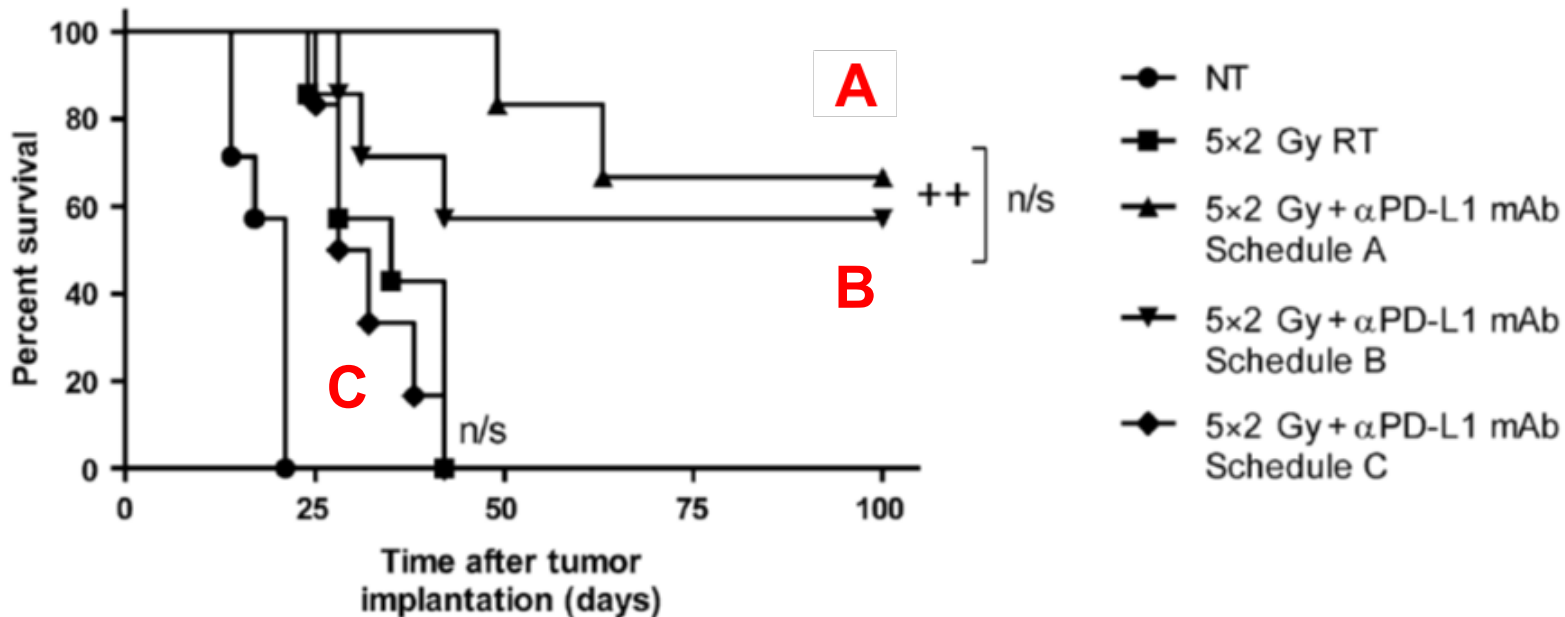
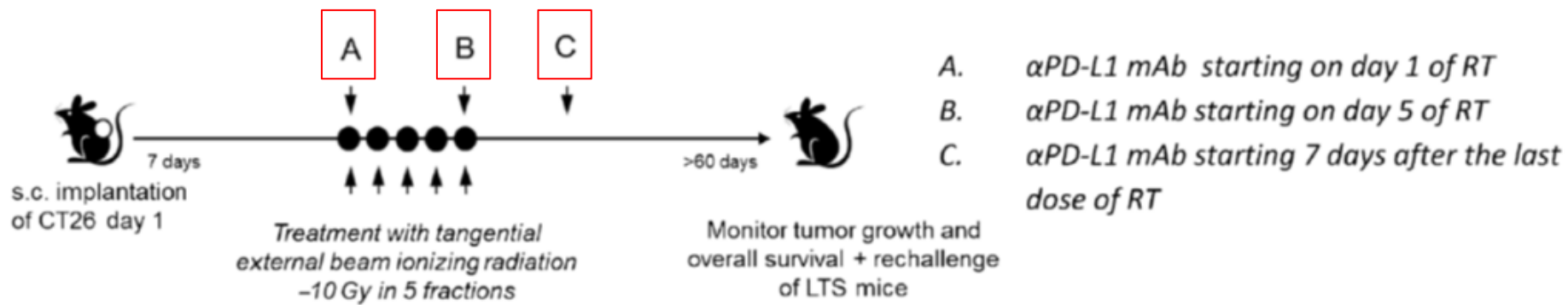
Immune-related adverse events in patients who have received at least one dose of atezolizumab N=24

	Part 2			
	Grade 1-2	Grade 3	Grade 4	Grade 5
Any event	24 (80%)	5 (17%)	1 (3%)	0
Dyspnea	3 (10%)	0	0	0
Pneumonitis*	4 (13%)	1 (3%)	0	0
Lung infection	0	0	0	0
Respiratory failure	0	0	1 (3%)	0
Nephritis	1 (3%)	1 (3%)	0	0
Heart failure	0	1 (3%)	0	0

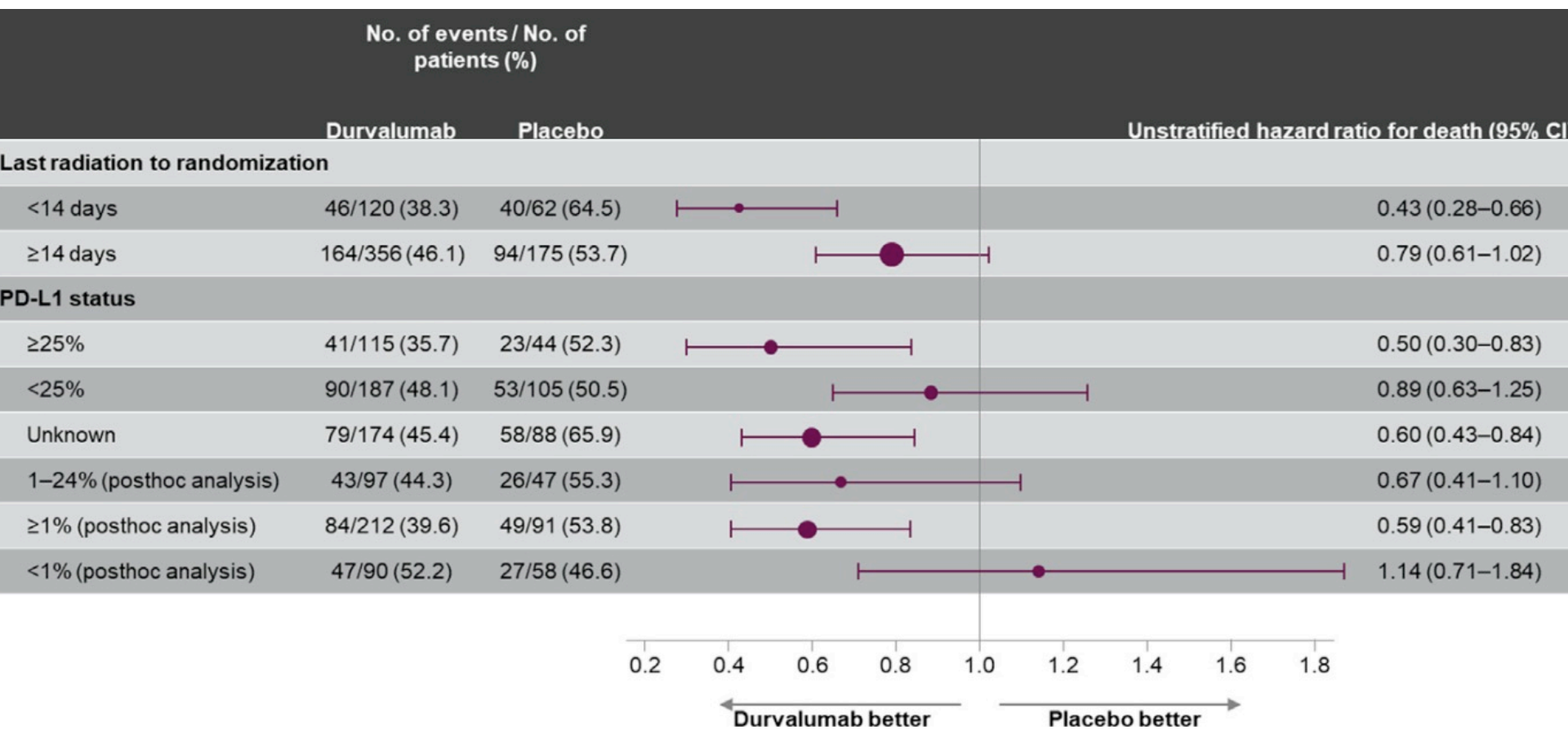
Pacific trial on anti-PD-L1 antibody consolidation: Adverse events according to incidence rate

Event	Durvalumab (N=475)		Placebo (N=234)	
	Any Grade*	Grade 3 or 4	Any Grade*	Grade 3 or 4
	<i>number of patients with event (percent)</i>			
Any event	460 (96.8)	145 (30.5)	222 (94.9)	61 (26.1)
Cough	167 (35.2)	2 (0.4)	59 (25.2)	1 (0.4)
Fatigue	114 (24.0)	1 (0.2)	48 (20.5)	3 (1.3)
Dyspnea	106 (22.3)	7 (1.5)	56 (23.9)	6 (2.6)
Radiation pneumonitis [†]	96 (20.2)	7 (1.5)	37 (15.8)	1 (0.4)
Diarrhea	88 (18.5)	3 (0.6)	46 (19.7)	3 (1.3)
Pyrexia	72 (15.2)	1 (0.2)	22 (9.4)	0
Nausea	68 (14.3)	0	31 (13.2)	0
Decreased appetite	68 (14.3)	1 (0.2)	30 (12.8)	2 (0.9)
Pneumonia	63 (13.3)	21 (4.4)	18 (7.7)	9 (3.8)
Pneumonitis [†]	60 (12.6)	9 (1.9)	18 (7.7)	4 (1.7)

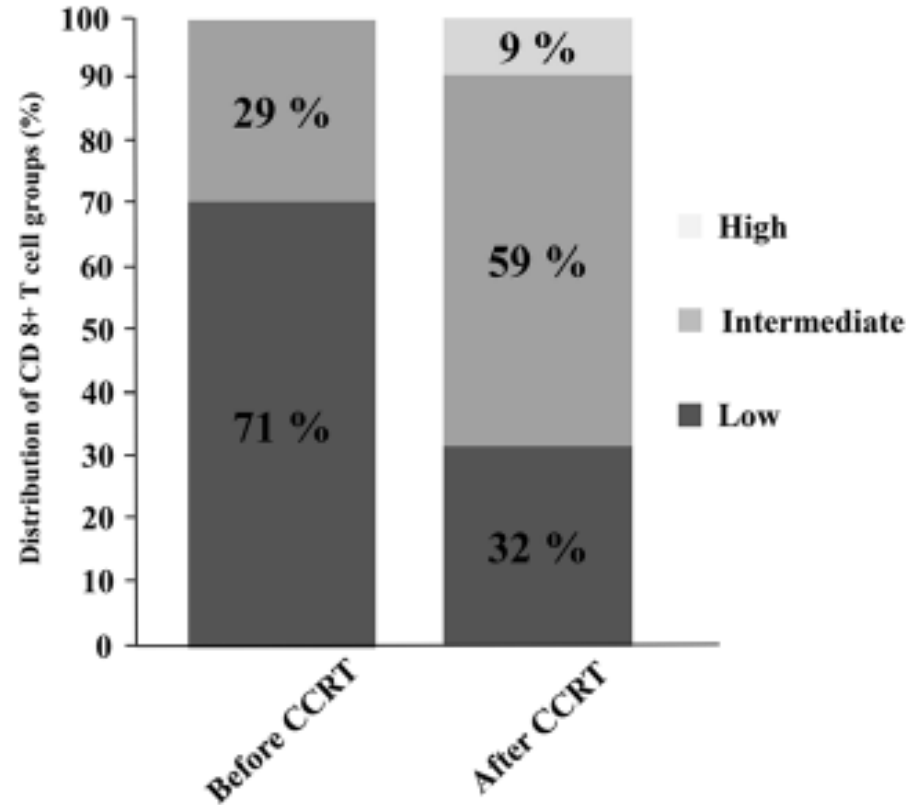
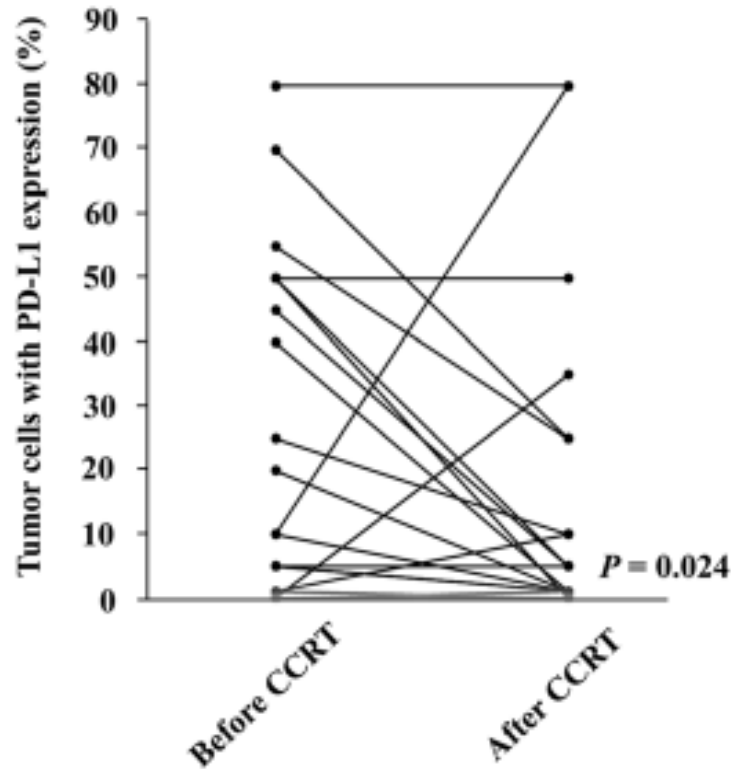
Resistance to fractionated radiotherapy can be overcome by concurrent but not sequential PD-L1 Blockade



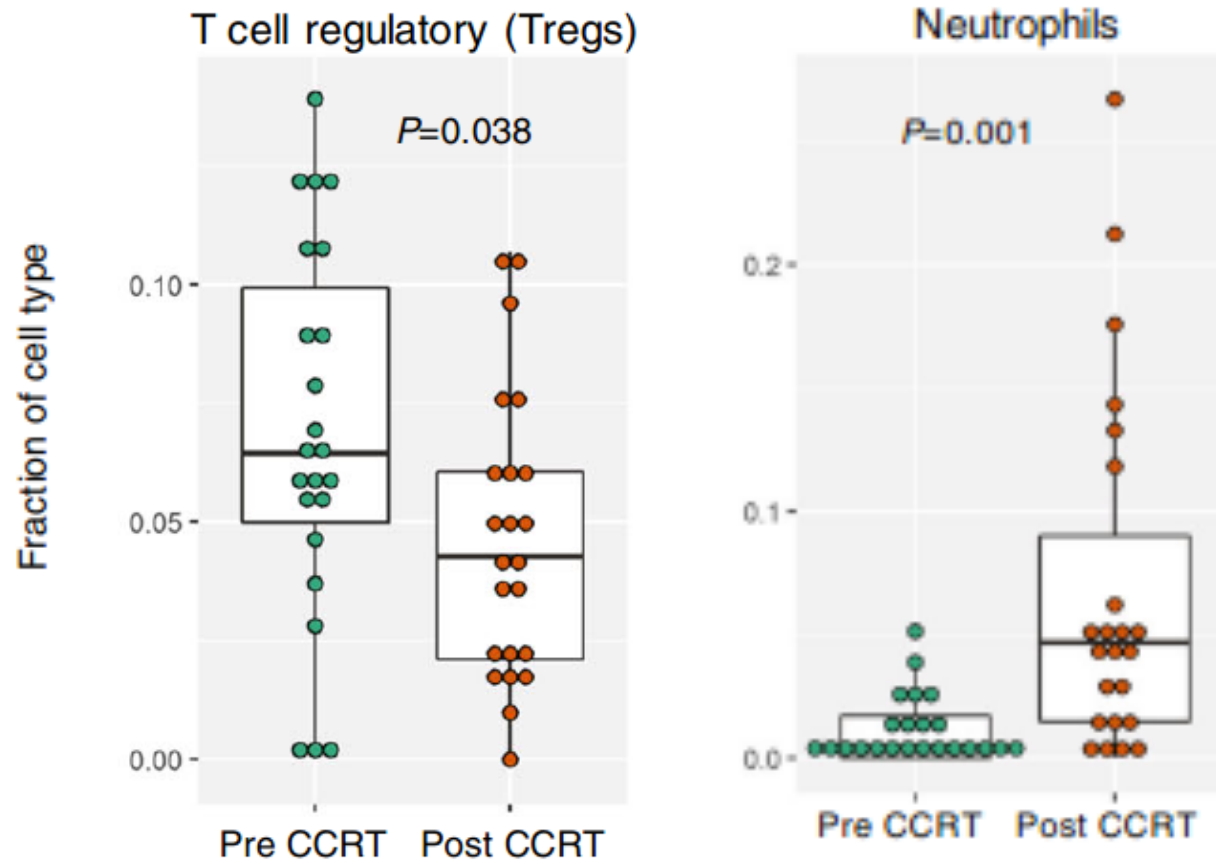
Updated post-hoc overall survival analyses of the Pacific Trial in exploratory subgroups



Alterations of PD-L1 expression on tumor cells after neoadjuvant concurrent RT/CTx in 35 NSCLC Patients



Immungengenomic changes during following neoadjuvant chemoradiotherapy in esophageal squamous cell carcinoma



SAKK 16/18

- Neoadjuvant chemotherapy with cisplatin and docetaxel: 3 cycles of 21 days
- Neoadjuvant immunotherapy with durvalumab: 1 cycle
- Neoadjuvant immune-modulatory radiotherapy
 - Concurrent with neoadjuvant immunotherapy
 - Random assignment to one of the following fractionation regimens:
 - 20x2 Gy (weekdaily, 4 weeks)
 - 5x5 Gy (weekdaily, 1 week)
 - 3x8 Gy (on alternate days, 1 week)
- Surgery
 - Between 4 and 6 weeks after the application of durvalumab
- If indicated: Postoperative radiotherapy (should start between 3 to 6 weeks after surgery)
- Adjuvant immunotherapy with durvalumab: 13 cycles of 28 days

Zusammenfassung ESPADURVA

- Charakterisierung von Effektivität und Toxizität der 4-modalen Therapie
- Translationale Begleitforschung zu immunologischer Resistenzmechanismen

Wir danken den Sponsoren

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