

Table S1: Patients' characteristics.

		All	ICI	ICI + chemo	p value
		n 100 %	n (%)	n (%)	
		191 (100)	93	98	
ALK	wild type	158 (82.7)	74 (79.6)	84 (85.7)	0.339
	not determinable	1 (0.5)	1 (1.1)	0 (0)	
	unknown	32 (16.8)	18 (19.4)	14 (14.3)	
Biom diagnosis	sequenom	112 (58.6)	66 (71.0)	46 (46.9)	<0.001
	RT-PCR	4 (2.1)	3 (3.2)	1 (1.0)	
	NGS	45 (23.6)	8 (8.6)	37 (37.8)	
	unknown	30 (15.7)	16 (17.2)	14 (14.3)	
EGFR	wildt type	156 (81.7)	75 (80.6)	81 (82.7)	0.666
	mutant	1 (0.5)	0 (0)	1 (1.0)	
	not determinable	3 (1.6)	1 (1.1)	2 (2.0)	
	unknown	31 (16.2)	17 (18.3)	14 (14.3)	
KRAS	wild type	96 (50.3)	38 (40.9)	58 (59.2)	0.042
	mutant	62 (32.5)	36 (38.7)	26 (26.5)	
	unknown	33 (17.3)	19 (20.4)	14 (14.3)	
other_mut	no	124 (64.9)	62 (66.7)	62 (63.3)	0.176
	yes	34 (17.8)	12 (12.9)	22 (22.4)	
	unknown	33 (17.3)	19 (20.4)	14 (14.3)	
PLR cat	≤180	96 (50.3)	55 (59.1)	41 (41.8)	0.021
	>180	95 (49.7)	38 (40.9)	57 (58.2)	
PNI cat	<45	112 (58.6)	48 (51.6)	64 (65.3)	0.058
	≥45	79 (41.4)	45 (48.4)	34 (34.7)	
ROS1	wild type	158 (82.7)	74 (79.6)	84 (85.7)	0.339
	not determinable	1 (0.5)	1 (1.1)	0 (0)	
	unknown	32 (16.8)	18 (19.4)	14 (14.3)	
Visceral mets	no	67 (35.1)	37 (39.8)	30 (30.6)	0.225
	yes	124 (64.9)	56 (60.2)	68 (69.4)	
		Median (IQ range)			
Ca		9.30 (9.00, 9.60)	9.40 (9.10, 9.60)	9.30 (9.00, 9.50)	0.258
dNLR		2.40 (1.73, 3.15)	2.39 (1.76, 2.93)	2.41 (1.69, 3.40)	0.515
Eos		200.00 (100.00, 300.00)	200.00 (100.00, 400.00)	100.00 (0.00, 200.00)	<0.001
H_cm		1.68 (1.63, 1.75)	1.68 (1.65, 1.75)	1.68 (1.63, 1.75)	0.570
Hb		13.20 (11.95, 14.55)	13.30 (12.20, 14.60)	13.05 (11.75, 14.50)	0.603

Height		168.00 (163.50, 175.00)	168.00 (165.00, 175.00)	168.00 (163.00, 174.75)	0.570
LDH		215.00 (172.50, 277.50)	215.00 (172.00, 257.00)	214.00 (174.25, 293.50)	0.368
Linf		1500.00 (1100.00, 2100.00)	1600.00 (1100.00, 2200.00)	1500.00 (1100.00, 2000.00)	0.257
Neut		6200.00 (4600.00, 8400.00)	6200.00 (4900.00, 9000.00)	6350.00 (4300.00, 8075.00)	0.357
NLR		3.90 (2.65, 6.06)	3.86 (2.79, 5.93)	3.97 (2.50, 6.50)	0.831
PLR		179.41 (132.14, 275.27)	163.70 (130.71, 260.91)	201.83 (133.19, 300.69)	0.077
PLT		287.00 (221.00, 353.00)	280.00 (222.00, 338.00)	295.00 (218.25, 359.75)	0.553
PNI		43.00 (37.25, 47.50)	44.00 (38.50, 48.50)	42.00 (36.12, 47.00)	0.079
SII		1179947.37 (688510.00, 1987687.50)	1094333.33 (763200.00, 1720000.00)	1269254.90 (626325.00, 2410400.00)	0.574
Weight		69.00 (60.00, 80.00)	70.00 (61.00, 78.00)	69.00 (60.00, 80.00)	0.788
White		9000.00 (6850.00, 11200.00)	9100.00 (7400.00, 11200.00)	8700.00 (6525.00, 11075.00)	0.183
Metastatic sites		2 (1,3)	2 (1,3)	2 (1,3)	0.309
ALI score		21.68 (11.88, 34.91)	22.68 (12.40, 33.59)	21.34 (11.68, 36.15)	0.828
BMI		24.16 (21.92, 26.83)	24.31 (21.95, 26.81)	23.78 (21.91, 26.83)	0.993
dNLR	≤3	138 (72.3)	72 (77.4)	66 (67.3)	0.146
	>3	53 (27.7)	21 (22.6)	32 (32.7)	
NLR	≤5	121 (63.4)	57 (61.3)	64 (65.3)	0.652
	>5	70 (36.6)	36 (38.7)	34 (34.7)	
Response	PR	74 (38.7)	37 (39.8)	37 (37.8)	0.151
	SD	39 (20.4)	13 (14.0)	26 (26.5)	
	CR	4 (2.1)	3 (3.2)	1 (1.0)	
	PD	57 (29.8)	29 (31.2)	28 (28.6)	
	NA (not assessable)	17 (8.9)	11 (11.8)	6 (6.1)	
RT	no	132 (69.1)	62 (66.7)	70 (71.4)	0.532
	yes	59 (30.9)	31 (33.3)	28 (28.6)	
Schedule	pembro	81 (42.4)	81 (87.1)	0 (0)	<0.001
	pembro+carbo+pem	61 (31.9)	0 (0)	61 (62.2)	
	pembro+cis+pem	22 (11.5)	0 (0)	22 (22.4)	
	pembro+carbo+pacl	14 (7.3)	0 (0)	14 (14.3)	
	atezo	12 (6.3)	12 (12.9)	0 (0)	
	chemo+ipi+nivo	1 (0.5)	0 (0)	1 (1.0)	