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Supplementary Materials: Survival Impact of Aggressive Treatment and PD-L1 Expression in Oligometastatic NSCLC

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Table 1. Treatment type and demographic characteristics of patients.

	Treatment						
Demographic characteristics	Aggressive at both sites (Group A) n=29 (%)	Primary site only (Group B1) n=4 (%)	Metastatic site only (Group B2) n=19 (%)	Palliative (Group B3) n=15 (%)			
Sex Male Smoking history	15 (52)	0 (0)	13 (68)	10 (67)			
Positive	29 (100)	3 (75)	19 (100)	14 (93)			
Age at diagnosis							
<65	23 (79)	3 (75)	13 (8)	6 (40)			
≥65	6 (21)	1 (25)	6 (32)	9 (60)			
ECOG Score							
0 1 2 3 4 N/A	10 (35) 12 (41) 1(4) 0 (0) 0 (0) 6 (21)	1 (25) 2 (50) 0 (0) 0 (0) 0 (0) 1 (25)	3 (16) 8 (42) 4 (21) 0 (0) 0 (0) 4 (21)	3 (20) 6 (40) 0 (0) 0 (0) 0 (0) 6 (40)			

ECOG: Eastern Cooperative Oncology Group; N/A: not applicable.

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Table S2. Survival of patients with aggressive or non-aggressive treatment classified by "Modified" Tumor Stage.

8th IASLC Classification	Aggressive at Both Primary and Metastatic Sites $n = 29$ (%)	Non-Aggressive Treatments n = 38 (%)	<i>p</i> -value
Stage I, $n = 18$		0.(24)	
n	9 (31)	9 (24)	
00(1)	40	16	0.316
OS (m)	42	12	0.669
PFS (m)	12		
Stage II, <i>n</i> = 13			
n	7 (24)	6 (16)	
OS (m)	34	6	0.024
PFS (m)	Not reached	6	0.016
Stage III, $n = 36$			
n	13 (45)	23 (60)	
OS (m)	22	4	0.001
PFS (m)	19	3	0.003

[&]quot;Modified" Tumor Stage: refers to the combined stage T and N of the IASLC staging eighth edition; OS: overall survival; PFS: progression-free survival; (m): months.

Table 3. PD-L1 status and tumor site of subgroup of 39 patients.

PD-L1 Status	Lung Primary n (%)	Metastasis n (%)	
Positive (≥25%)	12 (55)	8 (30)	
Negative (<25%)	10 (45)	19 (70)	
Insufficient tissue	17	12	

Table 4. PD-L1 concordance between primary and metastatic tissues in 10 patients.

Patient	Age	Sex	Progression- Free Survival (months)	Overall Survival (months)	PD-L1 (Primary Site)	PD-L1 (Metastasis)	Concordance
1	73	F	55	55	-	+	No
2	54	F	19	52	+	-	No
3	54	M	4	4	+	+	Yes
4	47	M	5.6	32	-	-	Yes
5	47	F	43	68	-	-	Yes
6	46	F	3.7	20	-	-	Yes
7	46	F	6	15	+	+	Yes
8	69	M	17.5	20	-	-	Yes
9	56	M	7.2	16	-	-	Yes
10	59	M	32	36	+	+	Yes
Median	54	-	12.4	26	-	-	80% (8/10)

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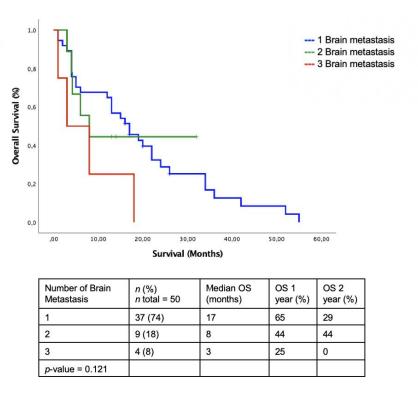
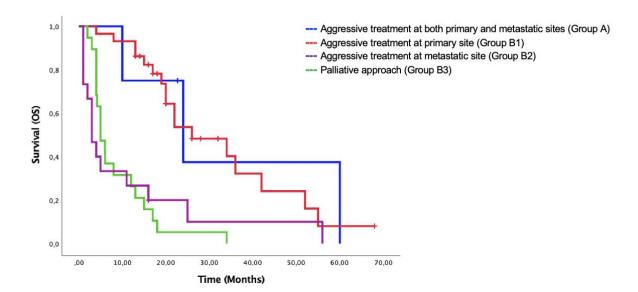


Figure S1. Overall survival based on the number of brain metastasis.

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Treatment	n =67 (%)	mOS (months)	OS 2 years (%)
Aggressive treatment at both primary and metastatic sites (Group A)	29 (43)	26	54
Aggressive treatment at primary site (Group B1)	4 (6)	24	38
Aggressive treatment at metastatic site (Group B2)	19 (28)	5	5
Palliative approach (Group B3)	15 (22)	3	20

Figure S2. Overall survival comparison between four different therapeutic approaches.

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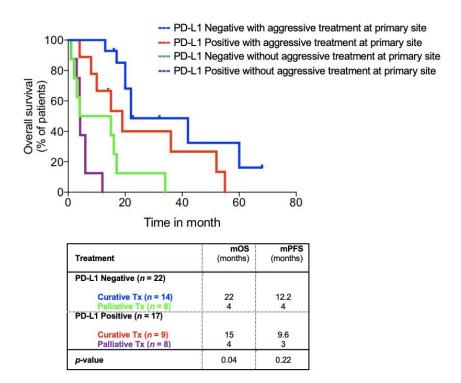


Figure S3. Overall survival of 39 patients stratified by treatment of primary site and PD-L1 status. Kaplan-Meier overall survival analysis of patients with PD-L1 status available comparing PD-L1 status and treatment approach at primary site.

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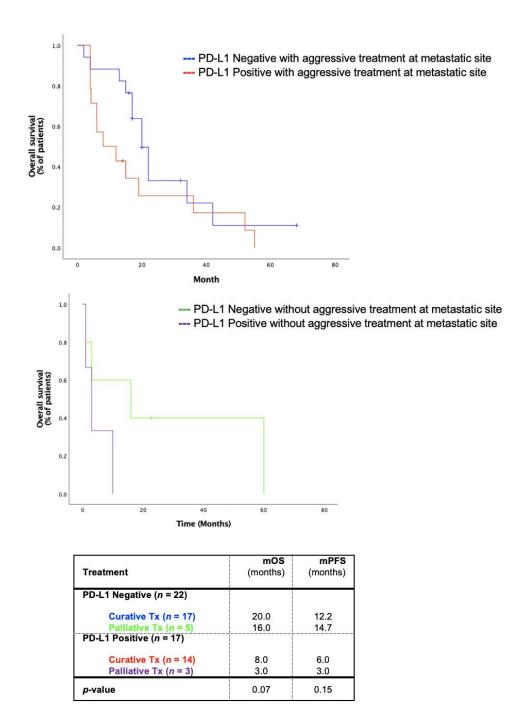


Figure S4. Overall survival of 39 patients stratified by treatment of metastatic site and PD-L1 status. Kaplan-Meier overall survival analysis of patients with PD-L1 status available comparing PD-L1 status and treatment approach at metastatic site.

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