

Table 1 Patients' characteristics

Variable	C-reactive protein status			p value	ApolipoproteinA-I		p value
	Non-elevated (n=68)	Normalized (n=34)	Non-normalized (n=23)		Normal (n=75)	Lower (n=50)	
Age(years)				0.061			0.039
<64	48	20	10		52	26	
≥64	20	14	13		23	24	
Gender				0.318			0.362
Male	42	24	18		45	39	
Female	26	10	5		30	11	
Smoking history				0.521			0.041
Presence	36	21	15		38	34	
Absence	32	13	8		37	16	
Histology				0.393			0.205
Adenocarcinoma	52	24	20		60	36	
Squamous cell carcinoma	16	10	3		15	14	
UICC stage				0.084			0.002
IIIB	13	2	1		15	1	
IV	55	32	22		60	49	
ECOG PS				0.019			0.027
0	15	15	11		30	11	
≥1	53	19	12		45	39	
Metastasis				0.668			0.316
Presence	59	31	19		64	45	
Absence	9	3	4		11	5	

ECOG PS = Eastern Cooperative Oncology Group performance status.

Table 2 Correlations between CRP kinetics and apoA-I status in patients with NSCLC

Variables	ApolipoproteinA-I		p value
	normal group	lower group	
Non-elevated CRP	59	9	
Normalized CRP	16	18	<0.001
Non-normalized CRP	0	23	

Table 3 Univariate analysis for overall survival in patients with advanced NSCLC

Variable	HR(95% CI)	p value
Age(years)	0.98 (0.64-1.49)	0.910
Gender	0.52 (0.33-0.82)	0.005
Smoking history	0.53 (0.35-0.80)	0.003
Histology	0.82 (0.49-1.36)	0.440
UICC stage	0.55 (0.30-1.02)	0.058
ECOG PS	0.64 (0.41-1.01)	0.053
Metastasis	0.52 (0.27-1.01)	0.052
Initial ApolipoproteinA-I		
Normal vs lower	0.62(0.33-1.29)	<0.001
Baseline C-reactive protein (mg/L)		
≥5 vs <5	0.19(0.12-0.30)	<0.001
Nadir C-reactive protein (mg/L)		
≥5 vs <5	0.14(0.09-0.23)	<0.001
C-reactive protein kinetics		
Nonelevated	ref	ref
Normalized	0.02(0.01-0.05)	<0.001
Non-normalized	0.08 (0.04-0.17)	<0.001

HR=hazard ratio; CI=confidence interval; ECOG PS=Eastern Cooperative Oncology Group performance status.

Table 4 Multivariate analysis for overall survival in patients with advanced NSCLC

Variables	Model 1			Model 2		
	Full model	Reduced model		Full model	Reduced model	
	p value	HR(95% CI)	p value	p value	HR(95% CI)	p value
Gender	0.906	-	-	0.861	-	-
Smoking history	0.064	-	-	0.081	-	-
UICC stage	0.133	-	-	0.126	-	-
ECOG PS	0.030	0.58(0.36-0.92)	0.021	0.012	0.58(0.36-0.92)	0.020
Metastasis	0.662	-	-	0.532	-	-
ApolipoproteinA-I						
Normal vs lower	<0.001	8.99(4.46-18.11)	<0.001	<0.001	8.28(3.90-17.57)	<0.001
Baseline C-reactive protein (mg/L)						
≥5 vs <5	0.023	2.17(1.17-4.04)	0.015	-	-	-
Nadir C-reactive protein (mg/L)						
≥5 vs <5	0.001	2.43(1.38-4.27)	0.002	-	-	-
C-reactive protein kinetics						
Nonelevated	-	-	-	ref	ref	ref
Normalized	-	-	-	<0.001	0.06(0.03-0.16)	<0.001
Non-normalized	-	-	-	<0.001	0.16(0.08-0.35)	<0.001
Predictive accuracy		0.837			0.850	

HR = hazard ratio; CI = confidential interval; ECOG PS = Eastern Cooperative Oncology Group Performance status. Patients were divided into their categories with the cut-offs of 5 mg/L.