Supplementary Data

Supplementary table 1 Patient medical status before the second-line chemotherapy

Groups / Patients numbers	A (34)	B (98)	C (42)	D (33)	Total patients (207)
Age range (years)	41-74	32-72	46-72	37-80	32-80
Male percentage (%)	71	71	64	70	70
NSCLC Stage IIIB percentage (%)	18	15	14	9	14
NSCLC Stage IV percentage (%)	82	85	86	91	86
Central nerve system relapse (%)	15	11	12	12	12
Bone relapse (%)	29	28	31	36	30
Adrenal glands relapse (%)	21	13	19	33	19
Liver relapse (%)	15	5	14	12	10
Other organs relapse (%)	21	15	21	18	18

Supplementary table 2 Average medical expenses (US$) of the 4 group patients

Groups / Expense categories	A	B	C	D
Chemotherapy drugs	3044	4552	6452	12093
Diagnostic examinations	216	238	238	261
Inpatient stay	203	422	198	554
toxicity drug	1479	1761	1083	1600
Laboratory examinations	115	143	126	168
Nursing	111	197	66	162
Others	365	432	406	453
Total	5533	7745	8569	15291