

Case	Sex	Age at resection	Localisation 1st tumor	Localisation 2nd tumor	TNM (7th edition) before clonality assessment	Localisation of distant metastases	UICC stage before clonality assessment	TNM (7th edition) after clonality assessment	Status (0=alive; 1=dead)	Survival (months)	Smoking status	Pack years
ADC 1	m	53	LLL	LLL	ypT4, ypN0, yM1b	brain	IV	ypT3, ypN0, yM1b / ypT1a, ypN0, yM1b	0	0,3	Smoker	n.i.
ADC 2	f	58	RLL	RLL	pT3, pN2, M1b	brain	IV	pT3, pN2, pMx / pT1a, pN2, M1b	0	10,7	Ex-Smoker	20
ADC 3	f	62	LLL	LLL	pT3, pN2, pMx	none	IIIA	pT3, pN2, pMx / pT2a, pN2, pMx	0	0,7	Smoker	40
ADC 4	f	61	RUL	RUL	pT4, pN1, pMx	none	IIIA	pT1b, pN1, pMx / pT1a, pN1, pMx	1	48,3	Ex-Smoker	40
ADC 5	m	55	RML	RML	pT3, pN0, pMx	none	IIB	pT2a, pN0, pMx / pT1a, pN0, pMx	1	5,0	Ex-Smoker	n.i.
ADC 6	f	62	RUL	RUL	pT3, pN1, pMx	none	IIIA	pT2a, pN1, pMx / pT2a, pN1, pMx	0	57,7	Smoker	45
ADC 7	m	68	LUL	LUL	pT4, pN2, pMx	none	IIIB	pT2b, pN2, pMx / pT1a, pN2, pMx	0	7,1	Ex-Smoker	30
ADC 8	m	59	LUL	LUL	pT3, pN2, pMx	none	IIIA	pT2b, pN2, pMx / pT1a, pN2, pMx	0	1,3	n.i.	n.i.
ADC 9	m	73	RUL	RUL	pT3, pN1, pMx	none	IIIA	pT2b, pN1, pMx / pT1a, pN1, pMx	0	72,2	Ex-Smoker	25
ADC 10	f	60	LUL	LUL	pT3, pN0, pMx	none	IIB	pT1b, pN0, pMx / pT1a, pN0, pMx	1	67,3	Smoker	40
ADC 11	m	60	RUL	RUL	pT3, pN0, pMx	none	IIB	pT2a, pN0, pMx / pT1a, pN0, pMx	0	87,4	Ex-Smoker	40
ADC 12	m	51	LUL	LUL	pT3, pN0, pMx	none	IIB	pT1a, pN0, pMx / pT1a, pN0, pMx	0	76,4	Smoker	35
ADC 13	m	71	RUL	RUL	pT3, pN2, pMx	none	IIIA	pT1b, pN2, pMx / pT1a, pN2, pMx	0	46,7	Ex-Smoker	60
ADC 14	f	61	LUL	LUL	pT3, pN0, pMx	none	IIB	pT3, pN0, pMx / pT1a, pN0, pMx	1	16,6	Never-Smoker	0
ADC 15	m	55	LUL	LUL	pT4, pN2, pMx	none	IIIB	pT2b, pN2, pMx / pT1a, pN2, pMx	0	7,6	Ex-Smoker	60
ADC 16	m	66	RUL	RUL	pT3, pN0, pMx	none	IIB	pT1a, pN0, pMx / pT1a, pN0, pMx	0	60,1	Ex-Smoker	30
ADC 17	m	58	RUL	RUL	pT3, pN2, pMx	none	IIIA	pT1b, pN2, pMx / pT1a, pN2, pMx	1	7,3	Ex-Smoker	10
ADC 18	m	52	RUL	RUL	pT3, pN1, pMx	none	IIIA	pT1a, pN1, pMx / pT1a, pN1, pMx	1	19,2	n.i.	n.i.
ADC 19	m	61	RUL	RUL	pT3, pN2, pMx	none	IIIA	no change	1	32,9	Smoker	60
ADC 20	m	76	RLL	RLL	pT3, pN0, M1	none	IV	no change	1	6,7	n.i.	n.i.
ADC 21	m	56	LUL	LUL	pT3, pN2, pMx	none	IIIA	no change	0	42,4	Smoker	50
ADC 22	m	77	RLL	RLL	pT4, pN2, pMx	none	IIIB	no change	0	4,0	Ex-Smoker	40
ADC 23	f	60	LLL	LLL	pT3, pN2, pMx	none	IIIA	no change	0	49,2	n.i.	n.i.
ADC 24	f	60	LLL	LLL	pT3, pN0, pMx	none	IIB	no change	1	29,2	Smoker	40
ADC 25	m	82	LLL	LLL	pT3, pN1, M1a	none	IV	no change	0	72,1	Never-Smoker	0
ADC 26	m	47	RUL	RUL	pT4, pN1, pMx	none	IIIA	no change	1	4,4	Smoker	40
ADC 27	m	46	LUL	LUL	pT3, pN2, pMx	none	IIIA	no change	1	6,5	Ex-Smoker	70
ADC 28	m	69	LLL	LLL	pT3, pN2, pMx	none	IIIA	no change	0	19,6	Ex-Smoker	40
ADC 29	f	45	RUL	RUL	pT3, pN3, pMx	none	IIIB	no change	0	0,5	Ex-Smoker	30
ADC 30	f	70	LUL	LUL	pT3, pN0, M1b	brain	IV	no change	1	3,0	Never Smoker	0
ADC 31	m	51	RUL	RUL	pT4, pN2, M1	none	IV	no change	1	2,2	Smoker	60
ADC 32	m	68	LUL	LUL	pT4, pN2, M1	none	IV	no change	1	40,1	n.i.	n.i.
ADC 33	f	73	RLL	RLL	pT3, pN2, pMx	none	IIIA	no change	1	4,9	Never-Smoker	0
ADC 34	m	41	LUL	LUL	pT3, pN0, pMx	none	IIB	no change	0	41,0	Smoker	15
ADC 35	m	72	LLL	LLL	pT4, pN1, pMx	none	IIIA	no change	0	8,4	Ex-Smoker	20
ADC 36	f	60	RUL	RUL	pT4, pN2, pMx	none	IIIB	no change	0	7,0	Ex-Smoker	n.i.
ADC 37	f	69	RUL	RUL	pT4, pN1, pMx	none	IIIA	no change	0	6,3	Never-Smoker	0
ADC 38	m	80	RML	RML	pT3, pN0, pMx	none	IIB	no change	0	6,3	Ex-Smoker	60
ADC 39	f	62	LUL	LUL	pT3, pN2, pMx	none	IIIA	no change	0	12,5	Never-Smoker	0
ADC 40	m	70	LUL	LUL	pT3, pN2, pMx	none	IIIA	no change	1	16,6	Ex-Smoker	35
ADC 41	f	51	RUL	RUL	pT3, pN2, pMx	none	IIIA	no change	0	0,6	Smoker	n.i.
ADC 42	m	69	LUL	LUL	pT3, pN0, pMx	none	IIB	no change	1	39,2	Ex-Smoker	50
ADC 43	m	81	LLL	LLL	pT3, pN2, pMx	none	IIIA	no change	0	68,8	n.i.	n.i.
ADC 44	m	60	RLL	RLL	pT3, pN2, pMx	none	IIIA	no change	0	0,6	Never-Smoker	0
ADC 45	f	48	RLL	RLL	pT3, pN0, pMx	none	IIB	no change	0	53,7	Ex-Smoker	1
ADC 46	f	59	LLL	LLL	pT3, pN0, pMx	none	IIB	no change	0	55,3	Ex-Smoker	6
ADC 47	m	58	RLL	RUL	pT3, pN0, pMx	none	IIB	no change	1	35,0	Smoker	50
ADC 48	m	77	RLL	RML	pT4, pN2, pMx	none	IIIB	no change	1	20,4	Ex-Smoker	30
ADC 49	m	64	LUL	LLL	pT3, pN1, pMx	none	IIIA	no change	1	4,3	Ex-Smoker	70
ADC 50	m	47	RML	RUL	pT3, pN2, M1b	adrenal gland	IV	no change	1	20,8	Smoker	35
ADC 51	m	43	RUL	RLL	pT3, pN2, pMx	none	IIIA	no change	1	12,4	Ex-Smoker	20
ADC 52	m	66	RML	RUL	pT3, pN0, pMx	none	IIB	no change	1	9,0	Smoker	25
ADC 53	m	60	RML	RUL	pT3, pN0, pMx	none	IIB	no change	0	0,4	Ex-Smoker	40

ADC	54	m	67	LUL	LLL	pT3, pN0, pMx	none	IIB	no change	1	77,9	Ex-Smoker	40
ADC	55	m	70	RLL	RUL	pT3, pN1, pMx	none	IIIA	no change	0	20,4	Ex-Smoker	100
ADC	56	m	70	LUL	LLL	pT3, pN0, pMx	none	IIB	no change	0	36,4	Ex-Smoker	20
ADC	57	m	79	LLL	LUL	pT3, pN1, pMx	none	IIIA	no change	1	26,8	Ex-Smoker	n.i.
ADC	58	f	59	RML	RUL	pT3, pN0, pMx	none	IIB	no change	0	0,3	Never-Smoker	0
SQCC	59	f	64	RUL	LUL	pT3, pN3, M1a	none	IV	pT3, pN3, M1a / pT1a, pN3, M1a	1	10,9	Ex-Smoker	90
SQCC	60	m	63	LLL	LLL	pT3, pN0, pMx	none	IIB	pT2a, pN0, pMx / pT1a, pN0, pMx	1	14,9	Ex-Smoker	n.i.
SQCC	61	m	53	LUL	LUL	pT4, pN0, pMx	none	IIIA	pT2a, pN0, pMx / pT1a, pN0, pMx	0	45,7	Ex-Smoker	50
SQCC	62	m	76	LUL	LUL	pT4, pN0, pMx	none	IIIA	pT2a, pN0, pMx / pT1a, pN0, pMx	0	1,3	Ex-Smoker	50
SQCC	63	m	76	RUL	RUL	pT3, pN0, pMx	none	IIB	pT2b, pN0, pMx / pT1a, pN0, pMx	1	13,3	Ex-Smoker	55
SQCC	64	m	79	LUL	LUL	pT3, pN0, pMx	none	IIB	pT1a, pN0, pMx / pT1a, pN0, pMx	0	52,5	Ex-Smoker	n.i.
SQCC	65	m	74	RLL	RLL	pT4, pN1, M1a	none	IV	pT3, pN1, M1a / pT1a, pN1, M1a	0	25,8	Ex-Smoker	n.i.
SQCC	66	m	70	RUL	RUL	pT3, pN0, pMx	none	IIB	pT2b, pN0, pMx / pT1a, pN0, pMx	0	10,2	Ex-Smoker	40
SQCC	67	m	69	LLL	LLL	pT3, pN0, pMx	none	IIB	pT1b, pN0, pMx / pT1a, pN0, pMx	0	72,6	Ex-Smoker	80
SQCC	68	m	55	RML	RML	pT3, pN0, pMx	none	IIB	pT2a, pN0, pMx / pT1a, pN0, pMx	0	0,5	Ex-Smoker	n.i.
SQCC	69	m	69	LLL	LLL	pT4, pN1, pMx	none	IIIA	no change	1	4,6	Ex-Smoker	150
SQCC	70	m	84	LLL	LLL	pT3, pN1, pMx	none	IIIA	no change	1	13,6	Ex-Smoker	50
SQCC	71	m	53	RUL	RUL	pT3, pN2, pMx	none	IIIA	no change	0	45,2	Ex-Smoker	n.i.
SQCC	72	m	72	LUL	LUL	pT2b, pN0, pM1a	none	IV	no change	1	34,2	Ex-Smoker	40
SQCC	73	m	72	LUL	LLL	pT4, pN2, M1a	none	IV	no change	1	21,0	Ex-Smoker	50
SQCC	74	m	77	RUL	RML	pT4, pN0, pMx	none	IIIA	no change	0	1,3	Smoker	60
SQCC	75	f	73	RLL	RUL	pT3, pN1, pMx	none	IIIA	no change	0	55,3	Smoker	20
SQCC	76	m	61	RUL	RML	pT3, pN2, pMx	none	IIIA	no change	0	68,0	Smoker	n.i.
SQCC	77	m	68	LUL	LLL	pT3, pN2, pMx	none	IIIA	no change	1	3,3	Ex-Smoker	35
SQCC	78	m	56	RUL	RML	pT3, pN0, M1a	none	IV	no change	1	15,4	Ex-Smoker	30

Table S1: Clinicopathologic characteristics of the analyzed NSCLC.

ADC = adenocarcinoma; SQCC = squamous cell carcinoma; f = female; m = male;

RUL = right upper lobe; RML = right middle lobe; RLL = right lower lobe; LLL = left

lower lobe; LUL = left upper lobe, n.i. = no information.