

Appendix A

Table. 1 Overview datacollection EuroCAT

Variables	Definition	Measurement
Eligibility criteria		
lung cancer treated curatively		
General characteristics		
Institute	Hospital/Institute where patient was treated	
Study number	Automatically generated number to identify patient	
age	at start of treatment	years
gender	Male/female	
marital status	married or living with partner/ living alone/ living with children/living with partner and children	
height		cm
weight	before start of treatment	kg
ECOG (WHO) performance scale	before start of treatment	
respiratory comorbidity	yes/no, specify	
cardiovascular comorbidity	yes/no, specify	
diabetes	yes/no, specify	
neoplastic comorbidity	previous personal history of cancer y/n, specify	
nicotine use	current, ex- or no smoker	
packyears		
nicotine_stop	date of stopped smoking	
weight loss	during the last 6 months before start of treatment	kg
dyspnea0	dyspnea before start treatment (CTCAE v4)	
dysphagia0	dysphagia before start treatment (CTCAE v4)	
cough0	cough before start treatment (CTCAE v4)	
Tumor characteristics		
clinical T stage	according to TNM staging system 7th edition	
clinical N stage	according to TNM staging system 7th edition	
clinical M stage	according to TNM staging system 7th edition	
pathological TNM stage	only for surgery patients	
Multiple laesions in same lobe	yes/no	
histology	SCLC/Squamous/adeno/large cell/other/no pathology	
Specify histology	If other: specify	
Date of histology		date
location of tumor	indicate lobe and left/right	
number of positive lymph node stations (PET-CT)		
location of positive lymph node stations	according to Naruke map	
supraclavicular nodes	yes/no (if yes, specify left/right)	
Radiotherapy treatment characteristics		
GTV1	delineated primary tumour volume	cc
GTV2	delineated volume lymph nodes (summed together)	cc
TTD	total treatment dose	Gray
OTT	overall treatment time calculated from first until last day of RT	day
RT technique	IMRT, IGRT, SBRT, 3D conventional	
RT protocol	Indicate which protocol was used	
fraction size	Radiation dose delivered per fraction	Gray
daily fractions	Number of fractions per day	
Fraction number	Total number of fractions	

MaxED	maximum esophagus dose	Gray
MeanED	mean esophagus dose	Gray
MLD	mean lung dose	Gray

Other treatment characteristics

surgery		yes/no
type of surgery		
radical	tumor radically or irradically (macroscopically or microscopically)	
date of surgery		
chemotherapy (yes/no)		yes/no
chemotherapy regimen	specify chemotherapy	
timing chemotherapy		sequential/concomitant
start of chemotherapy	first day of chemotherapy	date
end of chemotherapy	last day of chemotherapy	date

Lung function/physiology (before treatment)

FEV1	Forced expiratory volume in 1 second	%
FEV measured with medication	yes/no/unknown	%
DLCO	Diffusion capacity	%

Outcome

Acute Dysphagia	Dysphagia CTC score	
Date dysphagia	Date dysphagia score	date
Acute Cough	Cough CTC score	
Date cough	Date cough score	
Acute Dyspnea	Dyspnea CTC score	
Date dyspnea	Date dyspnea score	date
Dyspnea_tumorrelated	Dyspnea caused by tumor: Not related, possibly related, likely related, definitely related	
Dyspnea_treatmentrelated	Dyspnea caused by tumor: not related, possibly, likely, definitely	
Dyspnea_preexistinglungcomorb	Dyspnea caused by pre-existing lung comorbidity: not related, possibly, likely, definitely	
Esophageal stenosis	CTC score (late toxicity)	
Last FU	Date last follow-up	date
Date of death		date
Survival status	Dead/alive (at last follow-up date)	

Additional information

storage of blood samples	yes/no	
location of storage blood		
date of blood sample		
storage of saliva	yes/no	
location of saliva		
date of saliva sample		
storage of tissue	yes/no	
location of storage tissue		
date of tissue sample		
EGFR mutation	yes/no	
other mutation	yes/no (if yes, specify mutation)	