Supplementary File

Figure S1A. Survival by age group (no patient excluded)

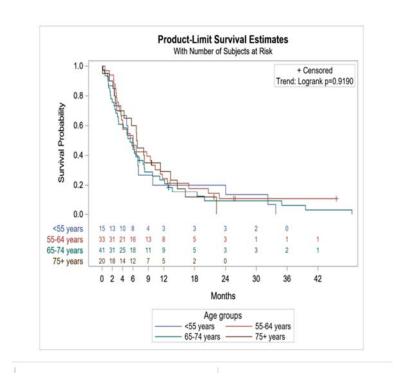


Figure 1B. Survival by number of intracranial (IC) metastases (no patients excluded)

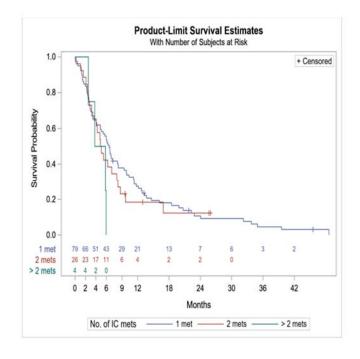


Figure 1C. Survival by metastatic burden (no patients excluded)

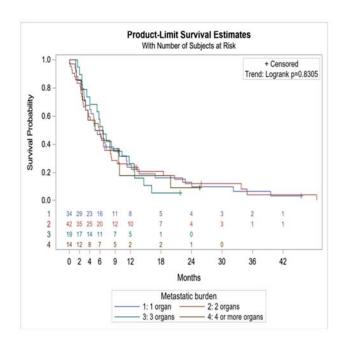


Figure 1D. Survival by planning target volume (PTV) group (no patients excluded)

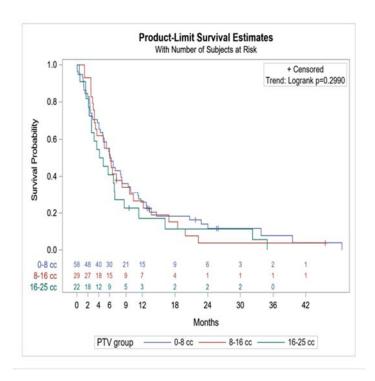


Figure 2. Survival by extracranial disease (no patients excluded)

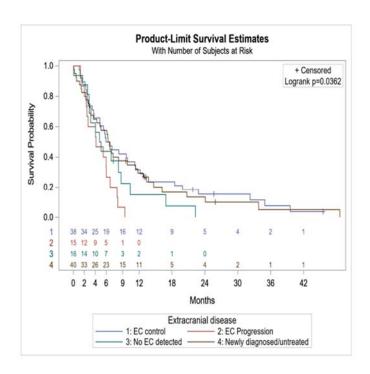


Figure 3. Survival by gender (all patients)

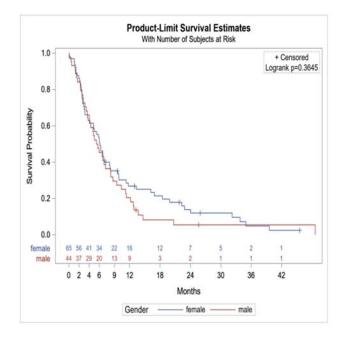


Figure 4A. Survival by tumour subtype (no patients excluded)

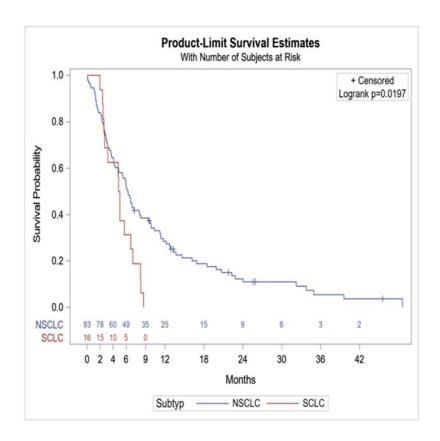


Figure 4B. Survival by dose per fraction (no patients excluded)

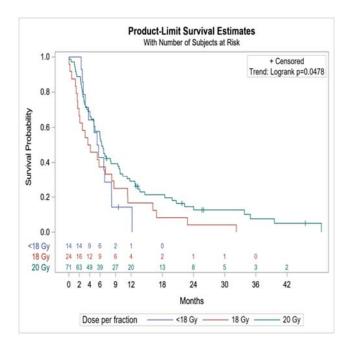


 Table S1. Treatment-related toxicity

No of	Toxicity	Grade
patients		*
88	None	0
8		1
(3)	Headache	
(2)	Seizure	
(1)	Dizziness	
(1)	Lethargy	
(1)	Paresis	
9		2
(3)	Seizure	
(2)	Headache	
(2)	Paresis	
(2)	Dizziness	
3		3
(1)	Seizure	
(1)	Headache	
(1)	Depressed level of	
	consciousness	
1	Intracranial	4
	hemorrhage	

^{*}By CTCAE v. 4.0

 Table S2. Prognostic variables predicting toxicity

				RR (95%		p-value
	n		n (%) of	CI)	p-value	(multivariate)
Variable	missing	Value	event	toxicity	(univariate)	
Age	0	44_ <	3 (23.1%)			
(RR per 10		55				
units)						
		55- <	9 (32.1%)			
		65				
		65- <	6 (15.8%)			
		75				
		75–84	1 (6.7%)	0.71	0.085	
				(0.49–		
				1.05)		
PTV group	0	0–8 сс	9 (16.7%)			
		8–16	4 (17.4%)			
		cc				
		16–25	6 (35.3%)	1.44	0.13	
		cc		(0.90–		
				2.31)		
Dose per	0	<1 8	4 (57.1%)			
fraction		Gy				
		18 Gy	4 (20.0%)			
		20 Gy	11 (16.4%)	0.55	0.016	
				(0.34–		
				0.89)		
Previous	0	No	10 (14.7%)			
cranial RT						

		Yes	9 (34.6%)	2.35	0.031	0.031
				(1.08–		
				5.13)		
V12 minus	43	3- <	3 (15.0%)			
GTV		10				
(RR per 10						
units)						
		10- <	3 (20.0%)			
		21				
		21- <	1 (7.7%)			
		31				
		31–39	1 (33.3%)	1.05	0.90	
				(0.52–		
				2.12)		

Table S3. Descriptive statistics for the responses PD, CR, PR and SD and missing for patients with number of fractions = 1. Each n corresponds to 1 metastasis, thus patients with 2 metastases would contribute to the table twice

	CR	PR	SD	PD	Missing data				
Variable	(n = 12)	(n = 40)	(n = 29)	(n = 16)	(n = 41)				
Subtype	Subtype								
SCLC	1 (5%)	6 (30%)	4 (20%)	2 (10%)	7 (35%)				
NSCLC	11 (9%)	34 (29%)	25 (21%)	14 (12%)	35 (29%)				
PTV volume	3,4 (0.7–	9.2 (0.6–23.4)	7.7 (0.7–22.2)	8.3 (1.2–19.7)	8.5 (1.1–25.9)				
[cc]	6.7)								
PTV group									
0–8 сс	11 (15%)	18 (24%)	16 (21%)	8 (10%)	23 (30%)				
8–16 сс	0 (0%)	13 (35%)	9 (24%)	5 (14%)	10 (27%)				
16–25 сс	0 (0%)	6 (33%)	2 (11%)	3 (17%)	7 (39%)				

Dose per fra	ction				
< 18 Gy	1 (5%)	6 (29%)	3 (14%)	5 (24%)	6 (29%)
18 Gy	1 (3%)	11 (35%)	6 (19%)	0 0(%)	13 (42%)
20 Gy	10 11%)	23 (26%)	20 (23%)	11 (13%)	23 (26%)
Smoking sta	tus				
Never	1 (7%)	6 (40%)	3 (20%)	2 (13%)	3 (20%)
Former	8 (12%)	23 (35%)	9 (14%)	9 (14%)	17 (26%)
On-going	2 (4%)	10 (20%)	16 (31%)	4 (8%)	19 (37%)