Reported on Page Number/Line	Reported on Section/Paragraph
Number	

### INTRODUCTION

1	State the marker examined, the study objectives, and any pre-specified hypotheses.	Page 2/Lines 66-69	Introduction/4 <sup>th</sup> paragraph		
MA	MATERIALS AND METHODS				

## Patients

2	Describe the characteristics (e.g., disease stage or co-morbidities) of the study patients, including their source and inclusion and exclusion criteria.	Page 2/Lines 74-80 Page 2/Lines 93-94 Page 3/Lines 95 Supplementary	Patient selection/1 <sup>st</sup> paragraph Cachexia assessment/2 <sup>nd</sup> paragraph
		material: Figure 1	Supplementary figure 1
3	Describe treatments received and how chosen (e.g., randomized or rule-based).	Page 2/Lines 74-75	Patient selection/1 <sup>st</sup>
			paragraph

Specimen characteristics

4	Describe type of biological material used (including control samples) and methods of preservation and storage.	N/A	No biological material was
			used to test our
			hypothesis

Assay methods

5	Specify the assay method used and provide (or reference) a detailed protocol, including specific reagents or kits used,	N/A	No biological material was
	quality control procedures, reproducibility assessments, quantitation methods, and scoring and reporting protocols.		used to test our
	Specify whether and how assays were performed blinded to the study endpoint.		hypothesis

Study design

6	State the method of case selection, including whether prospective or retrospective and whether stratification or matching	Page 2/Line 74-80	Patient selection/1 <sup>st</sup>
	(e.g., by stage of disease or age) was used. Specify the time period from which cases were taken, the end of the follow-up	Page 2/Line 84-94	paragraph
	period, and the median follow-up time.	Page 3/Line 95-101	Cachexia
		Page 3/Line 105-119	assessment/1 <sup>st</sup> ,2 <sup>nd</sup> and 3 <sup>rd</sup>
		Page 4/Line 165	paragraph
		Supplementary	Data collection/1 <sup>st</sup> ,2 <sup>nd</sup> and
		material: figure 1	3 <sup>rd</sup> paragraph
			Patient characteristics/1 <sup>st</sup>
			paragraph
			Supplementary figure 1
7	Precisely define all clinical endpoints examined.	Page 3/Line 122-132	Outcome assessment/1 <sup>st</sup>
			and 2 <sup>nd</sup> paragraph
8	List all candidate variables initially examined or considered for inclusion in models.	Page 2/Line 84-94	Cachexia assessment/1 <sup>st</sup> ,
		Page 3/Line 95-101	2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph
		Page 3/Line 105-119	Data collection/1 <sup>st</sup> , 2 <sup>nd</sup> and
			3 <sup>rd</sup> paragraph
9	Give rationale for sample size; if the study was designed to detect a specified effect size, give the target power and effect	Page 4/Line 156-159	Statistical analysis/5 <sup>th</sup>
	size.		paragraph

# Statistical analysis methods

10	Specify all statistical methods, including details of any variable selection procedures and other model-building issues, how model assumptions were verified, and how missing data were handled.	Page 3/Line 135-143 Page 4/Line 144-159	Statistical analysis/1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> , 4 <sup>th</sup> and 5 <sup>th</sup> paragraph		
11	Clarify how marker values were handled in the analyses; if relevant, describe methods used for cutpoint determination.	Page 2/Line 84-94 Page 3/95-101 Page 3/105-119 Page 3/122-132	Cachexia assessment/1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph Data collection/1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph Outcome assessment/1 <sup>st</sup> and 2 <sup>nd</sup> paragraph		
RESULTS					

Data

12	Describe the flow of patients through the study, including the number of patients included in each stage of the analysis (a	Page 2/Line 74-80	Patient selection/1 <sup>st</sup>
	diagram may be helpful) and reasons for dropout. Specifically, both overall and for each subgroup extensively examined	Page 2/Line 93-94	paragraph
	report the numbers of patients and the number of events.	Page 3/Line 95-97	Cachexia assessment/2 <sup>nd</sup>
			paragraph

		Supplementary material: Figure 1	Supplementary material Figure 1
3	Report distributions of basic demographic characteristics (at least age and sex), standard (disease-specific) prognostic variables, and tumor marker, including numbers of missing values.	Page 4/Line 165-178	Patient characteristics/1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>r</sup> and 4 <sup>th</sup> paragraph
าล	lysis and presentation		
1	Show the relation of the marker to standard prognostic variables.	Page 4/Line 181-192 Page 5/Line 193-195 Page 5/Line 198-210 Page 5/Line 214-224 Figures 2,3,4,5	Effect of the studied variables on response outcomes/1 <sup>st</sup> , 2 <sup>nd</sup> and 3 <sup>th</sup> paragraph Effect of the studied variables on survival outcomes/1 <sup>st</sup> , 2 <sup>nd</sup> , 3 <sup>rd</sup> and 4 <sup>th</sup> paragraph Univariate and multivariate analysis/1 <sup>st</sup> 2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph
	Present univariable analyses showing the relation between the marker and outcome, with the estimated effect (e.g., hazard ratio and survival probability). Preferably provide similar analyses for all other variables being analyzed. For the effect of a tumor marker on a time-to-event outcome, a Kaplan-Meier plot is recommended.	Page 5/Lines 214- 224 Table 2	Univariate and multivariate analysis/1 <sup>st</sup> 2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph Table 2
	For key multivariable analyses, report estimated effects (e.g., hazard ratio) with confidence intervals for the marker and, at least for the final model, all other variables in the model.	Page 5/Lines 214- 224 Table 2	Univariate and multivariate analysis/1 <sup>s</sup> 2 <sup>nd</sup> and 3 <sup>rd</sup> paragraph Table 2
	Among reported results, provide estimated effects with confidence intervals from an analysis in which the marker and standard prognostic variables are included, regardless of their statistical significance.	Table 2	Table 2
;	If done, report results of further investigations, such as checking assumptions, sensitivity analyses, and internal validation.	N/A	N/A
S	CUSSION	1	1
)	Interpret the results in the context of the pre-specified hypotheses and other relevant studies; include a discussion of limitations of the study.	Page 5/Line 227-240	Discussion/1 <sup>st</sup> ,2 <sup>nd</sup> ,3 <sup>rd</sup> ,4 <sup>th</sup> ,

	limitations of the study.	Page 6/Line 241-269	and 6 <sup>th</sup> paragraph
20	Discuss implications for future research and clinical value.	Page 6/Line 273-276	Conclusion/1 <sup>st</sup> paragraph

From: McShane LM, Altman DG, Sauerbrei W, Taube SE, Gion M, Clark GM: Reporting recommendations for tumor marker prognostic studies (REMARK). J Natl Cancer Inst 2005; 97: 1180-1184.

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\*As the checklist was provided upon initial submission, the page number/line number reported may be changed due to copyediting and may not be referable in the published version. In this case, the section/paragraph may be used as an alternative reference.