The authors declare that the STROBE statement was followed in the article entitled "Application of extended criteria donor grafts in liver transplantation for acute-on-chronic liver failure: A retrospective cohort study"

STROBE Statement-Checklist of items that should be included in reports of ***cohort studies***

	Item No	Recommendation
Title and abstract	1	*(a)* Indicate the study's design with a commonly used term in the title or the abstract Page 1 line 6-7
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found Page 3 and Page 4 line 65-67
Introduction		
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported Page 4 line 85-92 and page 5 line 93-101
Objectives	3	State specific objectives, including any prespecified hypotheses Page 5 line 102-104
Methods		
Study design	4	Present key elements of study design early in the paper Page 5 line 108-110
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection Page 5 line 110-115
Participants	6	*(a) Cohort study*—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up Page 5 line 110-115 *Case-control study*—Give the eligibility criteria, and the sources and methods of case ascertainment and control selection. Give the rationale for the choice of cases and controls N/A *Cross-sectional study*—Give the eligibility criteria, and the sources and methods of selection of participants N/A
		(b) Cohort study—For matched studies, give matching criteria and number of exposed and unexposed N/A *Case-control study*—For matched studies, give matching criteria and the number of controls per case N/A
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable Page 5 line 115-121 and page 6 line 123-136
Data sources/ measurement	8*	For each variable of interest, give sources of data and details of methods of assessment (measurement). Describe comparability of assessment methods if there is more than one group Page 5 line 115-121 and page 6 line 123-136
Bias	9	Describe any efforts to address potential sources of bias N/A
Study size	10	Explain how the study size was arrived at Page 5 108-110

Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why Page 6 line 147-150 and page 7 line 151-158
Statistical methods	12	*(a)* Describe all statistical methods, including those used to control for confounding Page 6 line 147-150 and page 7 line 151-158
		(b) Describe any methods used to examine subgroups and interactions Page 6 line 147-150 and page 7 line 151-158
		(c) Explain how missing data were addressed N/A
		(*d*) *Cohort study*—If applicable, explain how loss to follow-up was addressed *Case-control study*—If applicable, explain how matching of cases and controls was addressed N/A *Cross-sectional study*—If applicable, describe analytical methods taking account of sampling strategy N/A
		(d) Describe any sensitivity analyses Page 7 line 157-158

Continued on next page

Results		
Participants	13*	(a) Report numbers of individuals at each stage of study—eg numbers potentially eligible, examined for eligibility, confirmed eligible, included in the study, completing follow-up, and analysed Page 7 line 161-179 and page 8 line 182-184
		(c) Give reasons for non-participation at each stage N/A
		(d) Consider use of a flow diagram N/A
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders Page 7 line 161-179 and page 8 line 182-184
		(b) Indicate number of participants with missing data for each variable of interest N/A
		(c) *Cohort study*—Summarise follow-up time (eg, average and total amount) N/A
Outcome data	15*	*Cohort study*—Report numbers of outcome events or summary measures over time Page 8 line 186-203
		Case-control study—Report numbers in each exposure category, or summary measures of exposure N/A
		Cross-sectional study—Report numbers of outcome events or summary measures N/A
Main results	16	(*a*) Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision (eg, 95% confidence interval). Make clear which confounders were adjusted for and why they were included N/A
		(*b*) Report category boundaries when continuous variables were categorized Page 9 line 212-218
		(*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period N/A
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity Analyses Page 8 line 205-209 and page 9 line 210-218
Discussion		
Key results	18	Summarise key results with reference to study objectives Page 9 line 221-225
Limitations	19	Discuss limitations of the study, taking into account sources of potential bias or imprecision. Discuss both direction and magnitude of any potential bias Page 10 line 239-246
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence Page 9-11
Generalisability	21	Discuss the generalisability (external validity) of the study results Page 11 line 270-277
Other information		

Funding	22	Give the source of funding and the role of the funders for the present study and, if applicable, for the original study on which the present article is based N/A

*Give information separately for cases and controls in case-control studies and, if applicable, for exposed and unexposed groups in cohort and cross-sectional studies.

Note: An Explanation and Elaboration article discusses each checklist item and gives methodological background and published examples of transparent reporting. The STROBE checklist is best used in conjunction with this article (freely available on the Web sites of PLoS Medicine at http://www.plosmedicine.org/, Annals of Internal Medicine at http://www.annals.org/, and Epidemiology at http://www.epidem.com/). Information on the STROBE Initiative is available at www.strobe-statement.org.