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

	Item No	Recommendation	Page No
Title and abstract	1	(*a*) Indicate the study's design with a commonly used term in the title or the abstract	Yes – Abstract, Methods (P 1); Methods, 1st paragraph (P 4)
		(*b*) Provide in the abstract an informative and balanced summary of what was done and what was found	Yes – Abstract (P 1–2)
Introduction			
Background/rationale	2	Explain the scientific background and rationale for the investigation being reported	Yes – Background, 1st–3rd paragraphs (P 3)
Objectives	3	State specific objectives, including any prespecified hypotheses	Yes – Background, 4th (last) paragraph (P 4)
Methods			
Study design	4	Present key elements of study design early in the paper	Yes – Methods, 1st paragraph (P 4)
Setting	5	Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection	Yes – Methods, 1st and 3rd paragraphs (P 4)
Participants	6	(*a*) Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up	Yes – Methods, 1st paragraph (eligibility, database) and 3rd paragraph (follow-up) (P 4)
		(*b*) For matched studies, give matching criteria and number of exposed and unexposed	Not applicable
Variables	7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable	Yes – Methods, 3rd–6th paragraphs (P 4–5); Additional file 1
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	Yes – Methods, 4th paragraph (P 5); Mechanical circulatory support subsection (P 6)
Bias	9	Describe any efforts to address potential sources of bias	Partly – Discussion, Limitations (P 18): survivor bias, overfitting of cutoffs, small sample size, retrospective single-center design
Study size	10	Explain how the study size was arrived at	Yes – Methods, 1st paragraph (P 4); Results, Figure 1 (P 7)
Quantitative variables	11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Yes – Methods, 4th–6th paragraphs (P 5); Statistical methods, 2nd paragraph (P 7)
Statistical methods	12	(*a*) Describe all statistical methods, including those used to control for confounding	Yes – Statistical methods, 1st–3rd paragraphs (P 6–7)
		(*b*) Describe any methods used to examine subgroups and interactions	Not applicable

		(*c*) Explain how missing data were addressed	Yes – Methods, 1st paragraph (P 4) and 4th paragraph (lactate imputation, P 5); Results, Figure 1 legend (P 8)
		(*d*) If applicable, explain how loss to follow-up was addressed	Yes – Methods, 3rd paragraph (P 4)
		(*e*) Describe any sensitivity analyses	Yes – Results, Lactate, 3rd paragraph (P 12); Discussion, 2nd paragraph (P 14)
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	Yes – Results, Baseline demographics, Figure 1 (P 7) and legend (P 8)
		(b) Give reasons for non-participation at each stage	Yes – Results, Figure 1 legend (P 8)
		(c) Consider use of a flow diagram	Yes – Results, Figure 1 (P 7)
Descriptive data	14*	(a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders	Yes – Results, Baseline demographics (P 7) and Overall mortality, Table 1 (P 8); Table 3 (P 10); Table 4 (P 11)
		(b) Indicate number of participants with missing data for each variable of interest	Yes – Methods, 4th paragraph (P 5); Results, Figure 1 legend (P 8)
		(c) Summarise follow-up time (eg, average and total amount)	Yes – Methods, 3rd paragraph (P 4)
Outcome data	15*	Report numbers of outcome events or summary measures over time	Yes – Results, Overall mortality, 1st paragraph (P 8); Survival Analysis, 2nd paragraph, Figure 6 (P 13)

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 (*b*) Report category boundaries when continuous variables were categorized (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Yes – Statistical methods, 3rd paragraph (P 7); Results, Survival Analysis, 1st and 3rd paragraphs (P 13) Yes – Results, MELD Score, 2nd paragraph (P 12); Survival Analysis, 1st paragraph (P 13) Yes – Results, Overall mortality, 1st paragraph (P 8); Survival Analysis, Figure 6 (P 13)
Other analyses	17	Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses	Yes – Results, Lactate, 3rd paragraph (P 12) and Survival Analysis, 1st paragraph (P 13)
Discussion			
Key results	18	Summarise key results with reference to study objectives	Yes – Discussion, 1st paragraph (P 14)
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	Yes – Discussion, Limitations (P 18)
Interpretation	20	Give a cautious overall interpretation of results considering objectives, limitations, multiplicity of analyses, results from similar studies, and other relevant evidence	Yes – Discussion, 2nd–12th paragraphs (P 14–18); Conclusions (P 19)
Generalisability	21	Discuss the generalisability (external validity) of the study results	Yes – Discussion, Limitations (P 18)
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	Yes – Declarations, Funding (P 22)