

STROBE Statement—Checklist for Cohort Studies

Manuscript Title: Impact of Infertility Duration on ART Outcomes and Psychological Status:
A Retrospective Cohort Study of 11,906 Women

Item No	Recommendation	Reported on Page/Section
Title and abstract		
1(a)	Indicate the study's design with a commonly used term in the title or the abstract	Title page, page 1; Abstract, page 1
1(b)	Provide in the abstract an informative and balanced summary of what was done and what was found	Abstract, page 1
Introduction		
2	Explain the scientific background and rationale for the investigation being reported	Section 1.1-1.3, pages 1-2
3	State specific objectives, including any prespecified hypotheses	Section 1.4, page 2
Methods		
4	Present key elements of study design early in the paper	Abstract, page 1; Section 2.1, page 2; Section 2.4, page 4
5	Describe the setting, locations, and relevant dates	Title page, page 1; Section 2.4, page 4
6(a)	Cohort study—Give the eligibility criteria, and the sources and methods of selection of participants. Describe methods of follow-up	Sections 2.1, 2.1.1 and 2.1.2, pages 2-3; Section 2.2.2, page 3
6(b)	Cohort study - For matched studies, give matching criteria and number of exposed and unexposed	N/A: not a matched cohort study
7	Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers	Sections 2.2.1-2.2.4, page 3
8	For each variable of interest, give sources of data and details of methods of assessment	Sections 2.2.1-2.2.4, page 3; Section 2.3, pages 3-4
9	Describe any efforts to address potential sources of bias	Section 2.1.2, page 3; Section 2.3, pages 3-4; Section 4.4, page 11
10	Explain how the study size was arrived at	Section 2.4, page 4

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11	Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why	Section 2.2.1, page 3; Section 2.4, page 4
12(a)	Describe all statistical methods, including those used to control for confounding	Section 2.4, page 4
12(b)	Describe any methods used to examine subgroups and interactions	Section 2.4, page 4
12(c)	Explain how missing data were addressed	Sections 2.1.2 and 2.3, pages 3-4; Section 2.4, page 4; Table 1 note, page 5
12(d)	Cohort study - If applicable, explain how loss to follow-up was addressed	Section 2.2.2, page 3; Section 2.4, page 4
12(e)	Describe any sensitivity analyses	Section 2.4, page 4; Appendix Table 7, page 9
Results		
	Report numbers of individuals at each stage of study	Section 3.1, page 4; Table 1, page 5
13(a)	Give reasons for non-participation at each stage	Section 2.1.2, page 3
13(b)	Consider use of a flow diagram	Not included
13(c)	Give characteristics of study participants and information on exposures and potential confounders	Section 3.1, page 4; Table 1, page 5
14(a)	Indicate number of participants with missing data for each variable of interest	Table 1 note, page 5; Section 2.4, page 4; Table 4 note, page 6; Table 5 note, page 7
14(b)	Cohort study - Summarise follow-up time	Section 2.2.2, page 3
14(c)	Cohort study - Report numbers of outcome events or summary measures over time	Table 2, page 5; Table 3, page 6
15	Give unadjusted estimates and, if applicable, confounder-adjusted estimates and their precision	Tables 2-3, pages 5-6; Table 4, page 6; Table 5, page 7
16(a)	Report category boundaries when continuous variables were categorized	Section 2.2.1, page 3
16(b)		

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16(c)	If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period	Table 2, page 5; Section 4.2, page 8
17	Report other analyses done, such as analyses of subgroups and interactions, and sensitivity analyses	Section 3.4, pages 5-7; Table 4, page 6; Table 5, page 7; Appendix Table 6, page 8; Appendix Table 7, page 9
Discussion		
18	Summarise key results with reference to study objectives	Section 4.1, pages 7-8
19	Discuss limitations, taking into account sources of potential bias or imprecision	Section 4.4, page 11
20	Give a cautious overall interpretation considering objectives, limitations, and other evidence	Sections 4.2-4.3, pages 8-11; Section 4.4, page 11
21	Discuss the generalisability (external validity) of the study results	Section 4.4, page 11
Other information		
22	Give the source of funding and the role of the funders	Funding section, page 12