

STROBE Checklist – Sonication Study Manuscript

STROBE Item	Recommendation	Location in Manuscript
Title and Abstract	Indicate study design with commonly used terms	Title (p. 1), Abstract (p. 1)
1. Background/Rationale	Explain the scientific background and rationale	Introduction (pp. 2-3)
2. Objectives	State specific objectives, including hypotheses	Introduction (p. 3), Aim (p. 3)
3. Study Design	Present key elements early in the paper	Methods – Study Design (p. 3)
4. Setting	Describe setting, locations, and relevant dates	Methods – Participants (p. 3)
5. Participants	Eligibility, selection, and methods of follow-up	Methods – Participants (pp. 3-4)
6. Variables	Clearly define outcomes, exposures, predictors	Methods – EBJIS criteria, Added info (pp. 4-5)
7. Data Sources/Measurement	Sources of data and measurement methods	Methods – Tissue sampling, Sonication (pp. 5-6; Supplement)
8. Bias	Address sources of potential bias	Discussion – Limitations (p. 14)
9. Study Size	Explain how study size was arrived at	Figure 1, Methods (p. 4)
10. Quantitative Variables	How quantitative variables were handled	Tables 2-6, Results (pp. 8-13)
11. Statistical Methods	Describe all statistical methods	Methods – Statistics (p. 6)
12. Participants Flow	Numbers at each stage, reasons for exclusions	Results (p. 7), Figure 1
13. Descriptive Data	Characteristics of study participants	Table 1, Results (p. 8)
14. Outcome Data	Number of outcome events or summary measures	Tables 2-4, Results (pp. 8-10)
15. Main Results	Unadjusted estimates, precision, subgroup analysis	Results (pp. 8-12), Tables 2-6
16. Other Analyses	Sensitivity/subgroup analyses if applicable	Results – Revisions over time (p. 10)
17. Key Results Summary	Summarize key results with reference to objectives	Discussion – first paragraph (p. 13)
18. Limitations	Discuss limitations and potential bias	Discussion – Limitations (p. 14)
19. Interpretation	Interpret results cautiously and in context	Discussion (pp. 13-15)
20. Generalizability	Discuss external validity	Discussion – Conclusion (p. 15)
21. Funding	Sources of funding and role of funders	Ethics & Funding (p. 6)