STROBE Checklist – Cross-Sectional Study

For: "Clinical and radiological presentations of pulmonary hydatid cysts in Yemen: a retrospective cross-sectional study at a tertiary center"

Item	Recommendation	Manuscript Location	Compliance
TITLE & ABSTRACT			
1	(a) Indicate the study's design with commonly used term in the title or abstract	Title: "a retrospective cross-sectional study"	✓ Compliant
	(b) Provide informative and balanced summary of what was done and found	Abstract covers Background/Methods/Results/Conclusions	✓ Compliant
INTRODUCTION			
2	Explain scientific background and rationale	Background section (lines 48-72)	✓ Compliant
3	State specific objectives, including any prespecified hypotheses	Lines 71-72: "This study aimed to evaluate..." with 4 specific objectives	✓ Compliant
METHODS			
4	Present key elements of study design early in the paper	Line 74: "retrospective descriptive cross-sectional study"	✓ Compliant
5	Describe setting, locations, and relevant dates	Lines 74-82: TMGH, Sana'a, Yemen; Jan 2019-Mar 2023	✓ Compliant
6	(a) Give eligibility criteria	Lines 83-94: 3 inclusion, 5 exclusion criteria listed	✓ Compliant
	(b) Give sources and methods of selection of participants	Lines 95-99: Hospital database, consecutive sampling	✓ Compliant
7	Clearly define all outcomes, exposures,	Lines 119-126: Variables section with categories defined	✓ Compliant

	predictors, potential confounders, and effect modifiers		
8	For each variable of interest, give sources of data and details of methods of assessment	Lines 100-118: Structured questionnaire, medical records, telephone follow-up	✓ Compliant
9	Describe any efforts to address potential sources of bias	**Lines 113-118: Bias mitigation statement**	✓ Compliant
10	Explain how study size was arrived at	Lines 95-99: 140 identified → 26 excluded → 114 analyzed	✓ Compliant
11	(a) Describe all statistical methods	Lines 127-146: SPSS v28, Wilson score CI, Chi-square	✓ Compliant
	(b) Describe any methods used to examine subgroups and interactions	Multiple-response analysis mentioned (line 144)	✓ Compliant
	(c) Explain how missing data were addressed	Line 118: "only records with complete data were included"	✓ Compliant
	(d) Describe any sensitivity analyses	Not applicable (descriptive study)	N/A
RESULTS			
12	(a) Give characteristics of study participants	Table 1 (lines 147-158)	✓ Compliant
	(b) Give number of participants with missing data for each variable	Line 118: only complete data included	✓ Compliant
13	Report numbers of outcome events or summary measures	Tables 2-5 with frequencies, percentages, 95% CI	✓ Compliant
14	(a) Give unadjusted estimates and, if applicable, confounder-adjusted estimates	Descriptive statistics presented; no confounder adjustment	N/A

	(b) Report category boundaries when continuous variables were categorized	Age groups, cyst size categories defined (Tables 1, 3)	✓ Compliant
	(c) Translate estimates of relative risk into absolute risk for a meaningful time period	Not applicable	N/A
15	Report other analyses done	Multiple-response analysis mentioned (line 144)	✓ Compliant
DISCUSSION			
16	(a) Summarize key results with reference to study objectives	Opening paragraph summarizes findings vs. objectives	✓ Compliant
	(b) Discuss limitations of the study	Dedicated Limitations section (lines 304-307)	✓ Compliant
	(c) Give a cautious overall interpretation of results	Discussion compares findings to literature	✓ Compliant
	(d) Discuss generalizability (external validity)	Single-center limitation noted (lines 304-307)	✓ Compliant
OTHER INFORMATION			
17	Give the source of funding and the role of the funders	Lines 355-357: "did not receive any specific grants"	✓ Compliant
18	Provide references to ethical approval and informed consent	Lines 338-349: Ethics Committee, waiver documented	✓ Compliant