STROBE checklist:

**Ultrasound appearance of the kidney among radiology department attendees of a tertiary centre in Malawi.**

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| --- | --- | --- | --- | --- |
| Description | Item number | Recommendation | Present? | Where described |
| Title and abstract | 1 | (*a*) Indicate the study’s design with a commonly used term in the title or the abstract | Yes | Abstract p2-3 |
|  |  | (*b*) Provide in the abstract an informative and balanced summary of what was done and what was found | Yes | Abstract p2-3 |
| Introduction |  |  |  |  |
| Background/rationale | 2 | Explain the scientific background and rationale for the investigation being reported | Yes | Introduction p4 |
| Objectives | 3 | State specific objectives, including any prespecified hypotheses | Yes | Introduction p4 |
| Methods |  |  |  |  |
| Study design | 4 | Present key elements of study design early in the paper | Yes | Methods p5 |
| Setting | 5 | Describe the setting, locations, and relevant dates, including periods of recruitment, exposure, follow-up, and data collection | Yes | Abstract p2  Methods p4-6 |
| Participants | 6 | (*a*) Give the eligibility criteria, and the sources and methods of selection of participants. | Yes | Methods p5-6 |
| Variables | 7 | Clearly define all outcomes, exposures, predictors, potential confounders, and effect modifiers. Give diagnostic criteria, if applicable | Yes | Methods p6 |
| 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 p5 |
| Bias | 9 | Describe any efforts to address potential sources of bias | Yes | Methods p6 |
| Study size | 10 | Explain how the study size was arrived at | Yes | Methods p6 |
| Quantitative variables | 11 | Explain how quantitative variables were handled in the analyses. If applicable, describe which groupings were chosen and why | Yes | Methods p6 |
| Statistical methods | 12 | 1. Describe all statistical methods, including those used to control for confounding 2. Describe any methods used to examine subgroups and interactions 3. Explain how missing data were addressed 4. If applicable, describe analytical methods taking account of sampling strategy 5. Describe any sensitivity analyses | Yes | Methods p6 |
| 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 | Figure 1 |
|  |  | (b) Give reasons for non-participation at each stage | Yes | Figure 1 |
|  |  | (c) Consider use of a flow diagram | Yes | Figure 1 |
| Descriptive data | 14 | (a) Give characteristics of study participants (eg demographic, clinical, social) and information on exposures and potential confounders | Yes | Table 1  Table 2 |
|  |  | (b) Indicate number of participants with missing data for each variable of interest | Yes | Figure 1 |
| Outcome data | 15 | Report numbers of outcome events or summary measures | Yes | Table 3  Table 4  Table 5 |
| 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 | Yes | Table 4  Table 5 |
|  |  | (*b*) Report category boundaries when continuous variables were categorized | NA | Table 4  Table 5 |
|  |  | (*c*) If relevant, consider translating estimates of relative risk into absolute risk for a meaningful time period | NA | NA |
| Other analyses | 17 | Report other analyses done—eg analyses of subgroups and interactions, and sensitivity analyses | NA | NA |
| Discussion |  |  |  |  |
| Key results | 18 | Summarise key results with reference to study objectives | Yes | Discussion p8 |
| 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 p9 |
| 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 p8-9 |
| Generalisability | 21 | Discuss the generalisability (external validity) of the study results | Yes | Discussion p9 |
| 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 | Acknowledgements p10 |