

# Review of: "Serological detection strategy and prevalence of HIV and Viral Hepatitis B and C in blood donors in Yaoundé Cameroon"

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Potential competing interests: No potential competing interests to declare.

The manuscript is important for scientific community. The article has major limitations:

1. Grammatical error, I would suggest that you look through the entire document again as I have found a number.
2. Introduction/background: authors must add the justification and implication of the study.
3. Material and methods:
  - a. What is the study design?
  - b. please include overall and region-specific demographic information in the general population. Also, give an overview of the hospital.
  - c. How were participants selected? e.g. purposive, convenience, consecutive, snowball/ random etc..
  - d. How many people refused to participate or dropped out? Reasons?
  - e. What is the inclusion/exclusion criteria?
  - f. The authors need to describe Screening Tests and Confirmatory Test in This Study (Sensitivity and specificity)
  - g. Study period must be included.
  - h. How was the data collected/extracted?
    - i. Describe any efforts to address potential sources of bias.
    - j. Explain how the study size was arrived at?
  - k. Explain how missing data were treated in the analysis
1. Results:
  - a. What is the response rate?
  - b. Authors classified the age based on what?
  - c. Add table describe all the variables in (n and %).
1. Discussion:
  - a. The mean age was 29.24 (SD= 8.214), the sex ratio male/female was 6.3. The majority of participants (57.03%) were aged between 21 to 30 years old. Voluntary and family donors were 328 (28.2%) and 834 (71.8%), respectively. In 2009, Tagny et al. [9], reported in Cameroon the following characteristics of blood donors: 63.7% aged between 18 to 30, 28.3% female, 25.5 % benevolent. Up till now, the Yaounde University Teaching Hospital Blood Bank is still far

from the strategy of the WHO Regional Committee for Africa. Here the authors must add the category 18–20 to the percentage (18–20 + 21–30) to get a more accurate comparison.

- b. The authors must add the limitations and strength of the study.
- c. What is already know/ What this study adds, must be included.
- d. Highlight of the study is optional.