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**Contribution of authors:**

Mah Evelyn designed the study, varied data and wrote the manuscript; Nguefack Félicitée and Mbassi Awa read the manuscript; Nkeck Jan Rene edited the manuscript; Mouto Ruth collected and analysed the data; Chiabi Andreas edited the manuscript; Nguefack Seraphin verified the data; Obama Marie Therese supervised the work.

**Conflict of interest:** The authors state that there is no conflict of interest.

**Ethical considerations:** We obtained an authorization from the HGOPY research commission for the realization of this study and the recruitment of our patients in the paediatric department of the hospital. Informed consent was obtained verbally from the parents of the children included in the study. The results of the various examinations were given and explained to the parents.