

Temporary follow-up of the prevalence of gastro entertainment in rotavirus frequency of cases from 2009 to 2017 at Kingasani hospital center

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Foreword

Rotavirus diarrhea is one of the significant causes of children's hospitalization, it grows family budget yet insufficient in underprivileged area of the world. This has been shown by several studies in the developing countries what reveals that Rotavirus is at 8% approximately responsible of diarrheal episodes with 28% for diarrhea consultation and 34% of children's hospitalization between 0-59 months.

In 2009, the Democratic Republic of Congo through its broad program of vaccination launches an investigation with view to determine the incidence of this disease and the virulent strain in order to introduce a new vaccination against Rotavirus.

Methodology

The current study targets children between 0-59 months after consulting Kingasani Hospitable Center from August 2009 to December 2017 for symptoms of acute diarrhea of at least 7 days coupled with vomiting and high temperature. The analysis of these data are done and confirmed by two significant tests: PCR and ELISA for genotyping.

Result

1628 cases of severe acute diarrhea have been registered in our Center since August 2009 to December 2017.

All these stool samples have been swabbed and analysed by Rotavirus immunologic test of which 893 samples have been positive that to say 55%.

Conclusion

For the prevention and protection of human life in general and particularly those of children between 0-59 months, exposed to the risk of Rotavirus affection, it has been decided to conduct the current investigation. It took place at Kingasani Hospitable Center. The fact is nearly 55% of children hospitalized in our Center have been victims of Rotavirus infection with acute diarrhea.

Their age vary between 0-59 months. Briefly, the above mentioned results demonstrate the necessity to introduce a vaccination against Rotavirus in the country with view to reduce the rate of children's mortality of at least 5 years in the Democratic Republic of Congo.