



Phase 1 MSP3 trial in Korogwe, Tanzania

Name of authors

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Objectives



• Primary

To assess safety and reactogenicity of MSP3

- Secondary
 - To assess humoral and cellullar immune responses
- Exploratory

To evaluate functionality of IgG responses



Methods (1)



- Strengthening of team to conduct malaria vaccine trial
- Identification of a site with high and moderate/low malaria transmission
- Establishment of DSS in the site
- Establishment of malaria surveillance (XXS, longitudinal malaria detection)
- Development of proposal for MSP3 vaccine trial



Methods (2)



- Laboratory analysis using:
 - Microscopy
 - Haematology analysis
 - Biochemistry analysis
 - ELISA
 - Western blot
 - Functional assays
- Statistical analysis

 Descriptive



Results (1)



- 14 communities/villages within DSS, with about 30,000 inhabitants
- Earmarked village for MSP3 trial
 - Total inhabitants: 3718
 - Children 1-<2 years (5.6%)</p>
 - Malaria transmission: moderate/low
 - 1 dispensary, accessible throughout the year
 - Fieldworkers available in one of the village



Discussion & Conclusions



 Exciting venture to search for complimentary tool for the existing malaria preventive measures



Future perspectives



 Conduct the MSP3 Phase 1b trial, and if it becomes safe and immunogenic, we are planning to proceed to Phase II, to determine efficacy against malaria