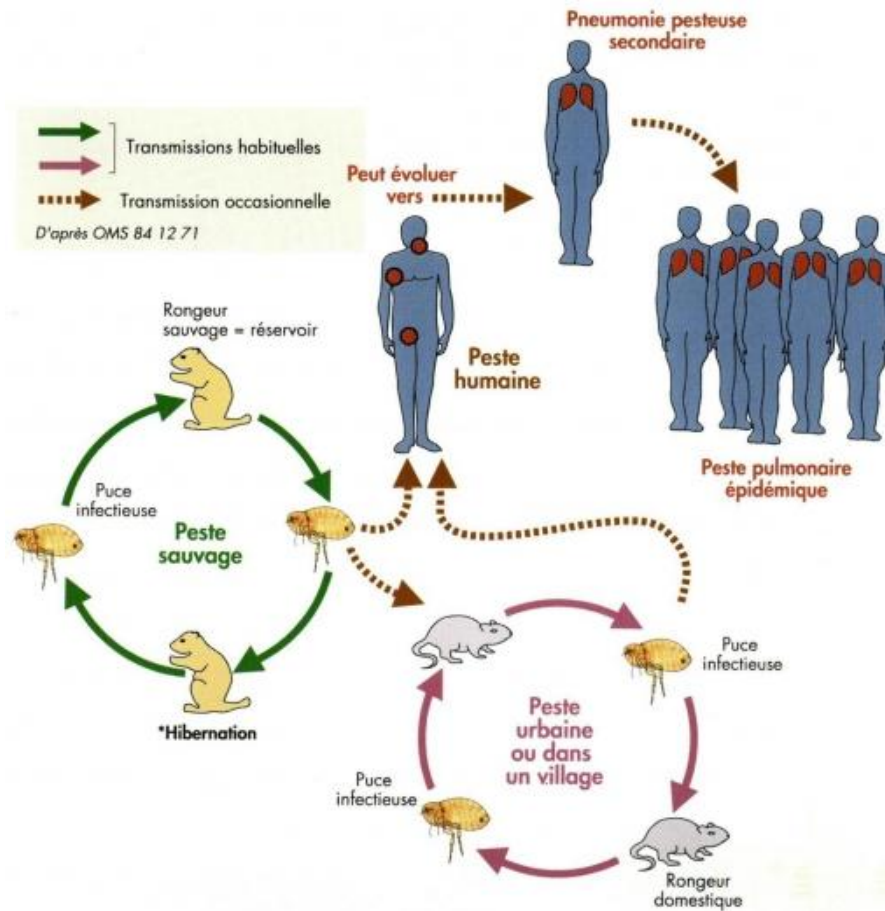


ASSESSMENT OF PLAGUE RISK FACTORS RELATED TO RODENT FLEAS IN MORAMANGA DISTRICT

Fanohinjanaharinirina RASOAMALALA

Yersinia pestis : Enterobacteriaceae, responsible for the plague (rodent disease), transmitted by fleas, capable of infecting humans.



Life cycle of the plague (Chanteau, 2006)

Study :

- Assess the risk factors for plague related to rodent fleas in Moramanga District throughout the season
- Rodent capture, flea collection and identification
- Determine the rate of infection on each species of flea by molecular analysis (by qpcr duplex targeting two genes : caf1 and pla)
- Analyze risk factors related to fleas according to the season : fluctuation, diversity, distribution, host spectrum and habitat
- Clarifying the epidemiology of the plague in fleas
- Proposing a better response before each season to reduce the number of cases each year

Thanks for your attention

