# **Titre d’article**: *Serological Detection of Rickettsioses with Underlying Meningeal Syndrome in Algiers*

**Abstract :**

Our study aims to detect the serological positivity for Rickettsia spp with underlying Meningeal Syndrome at The National Centre of Infectious Diseases El-HADI FLICI Hospital in Algiers. A total of 55 sera were obtained from patients of different ages and sex, the mean age of the population study was 24.03 (2 to 50 years old). The IFA for Rickettsia ssp came back positive four 07 sera (07/55, 12.72%), within we diagnosed 04 cases of Spotted Mediterranean Fever (MSF) caused by R. conorii, and 02 cases of Murine Typhus caused by R. typhi, and only one (01) case of the Flea-borne Spotted Fever caused by R. felis. These serological results associated to the underlying Meningeal syndromes confirmed previously in all these cases in a hand, and the various clinical manifestation of Rickettsial and Meningeal symptoms among these patients in other hand, lead us to suggest the competitive physio-pathogenicity of the clinical expression between the two pathogens. These findings would provide more attention for the infectious disease specialists front of all confirmed Meningeal syndrome which may have a clinical similarity with the Rickettsial diseases especially in countries where the arthropod-borne zoonosis is highest.