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The epidemiology of dog rabies in Algeria; retrospective national study of dog rabies cases, determination of vaccination coverage and immune response evaluation of three commercial used vaccines

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Highlights

- Our results revealed the persistent nature of canine rabies in Algeria
- Female and Stray dogs, north-east and steppe region were the most affected categories
- The vaccination coverage findings indicated that 30.81% of vaccinated are not immune to rabies
- Our results showed a weak immune response of inactivated vaccine without adjuvant

Abstract

Rabies is a neglected zoonotic disease. Several animal species can transmit rabies, but domestic dogs are the main reservoir implicated in rabies transmission to human and other susceptible animals.

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