

Japan identifies emerging infectious disease caused by new 'nairovirus'

08 October 2021 | News

The Yezo virus seems to have established its distribution in Hokkaido



A previously unknown virus that can infect humans and cause disease has been identified by scientists in Japan. The novel infectious virus, named Yezo virus and transmitted by tick bites, causes a disease characterized by fever and a reduction in blood platelets and leucocytes.

The discovery was made by researchers at Hokkaido University and colleagues, and the results have been published in the journal Nature Communications.

The study suggests that the Yezo virus, a type of orthonairovirus, transmits between animals and humans via ticks and causes fever and other symptoms in humans.

The research team now plans to track the possible nationwide distribution of the novel virus in wild animals and patients. And they say more hospitals should test for the virus in patients who complain of the symptoms.

The study was carried out in collaboration with researchers at the Graduate School of Veterinary Medicine and One Health Research Center of Hokkaido University, Sapporo City General Hospital, Nagaoka Red Cross Hospital, Hokkaido Institute of Public Health, National Institute of Infectious Diseases, Nagasaki University, Rakuno Gakuen University, Health Sciences University of Hokkaido, and the University of Liverpool.