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Subject: PRO/SOAS> Peste des petits ruminants - India: (Uttarakhand) goat, sheep, suspected, RFI

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PESTE DES PETITS RUMINANTS - INDIA: (UTTARAKHAND) GOAT, SHEEP, SUSPECTED, REQUEST FOR INFORMATION

A ProMED-mail post

<http://www.promedmail.org>

ProMED-mail is a program of the

International Society for Infectious Diseases

<http://www.isid.org>

Date: Sun 31 Dec 2023

Source: The Times of India [edited]

<https://timesofindia.indiatimes.com/city/dehradun/ppr-virus-suspected-cause-of-100-sheep-and-goat-deaths-in-dehradun/articleshow/106413479.cms>

The highly contagious animal disease peste des petits ruminants (PPR), also known as sheep and goat plague, is suspected to have caused the deaths of nearly 100 goats and sheep near Kaflani in Dehradun. The shepherds were following their annual winter migration from high-altitude areas in Uttarkashi to Dehradun when they observed that some of their animals were unwell, and a few died.

A team from the animal husbandry department rushed to Kaflani, Mothidhar, this week and provided preliminary treatment to the affected ruminants. Sheep and goat rearing is a primary source of income for the shepherds, but with scores of ruminants affected by the virus, they would be adversely impacted, according to them.

Dr Vidyasagar Kapdi, chief veterinary officer of Dehradun, said, "We are waiting for the sample report before attributing the deaths to the PPR virus. However, based on similar symptoms to the PPR virus, treatment of other affected animals has started this week, and now the animals are fine, according to the shepherds."

The impacted sheep and goats exhibited classic symptoms of PPR, which involve fever, nasal and ocular discharge, coughing and sneezing, conjunctivitis, oral lesions, and gastrointestinal symptoms, according to animal husbandry department.

The disease sometimes has a mortality rate of 80-100% in acute cases. PPR cases were not recorded the previous year [2022], while this year [2023] suspected cases have only been reported in the Dehradun district so far, officials said.

[Byline: Shivani Azad]

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Communicated by:
ProMED-SoAs

[As indicated in the news report above, a total of around 100 goats and sheep are suspected to have died from peste des petits ruminants (PPR) in Dehradun district, Uttarakhand state, India. Laboratory testing reports on the samples collected from the affected goats and sheep are still pending. More information from any knowledgeable sources in the area on confirmation of the disease behind the deaths of the animals reported would be highly appreciated.

"Peste des petits ruminants (PPR) is an acute or subacute viral disease of goats and sheep characterized by fever, necrotic stomatitis, gastroenteritis, pneumonia, and sometimes death."

"It is caused by a *Morbillivirus* closely related to but distinct from rinderpest virus."

"Morbidity and mortality are variable but can be as high as 80%-100% in some outbreaks."

"Diarrhea may be profuse and accompanied by dehydration and emaciation; hypothermia and death follow, usually after 5-10 days. Bronchopneumonia, characterized by coughing, may develop at late stages of the disease."

"A presumptive diagnosis of PPR is based on clinical, pathologic, and epidemiologic findings and may be confirmed by viral isolation and identification."

"There is no specific treatment for PPR; however, treatment for bacterial and parasitic complications decreases mortality rates in affected flocks or herds."

"Encouraged by the successful global eradication of rinderpest, international organizations such as WOA and the Food and Agriculture Organization of the United Nations (FAO) are actively pursuing global eradication of PPR by 2030. The available homologous PPR vaccine is playing an important role in that effort."

(<https://www.msdtvetmanual.com/generalized-conditions/peste-des-petits-ruminants/peste-des-petits-ruminants>)

PPR is non-zoonotic. - Mod.PKB

ProMED map:

Dehradun, Uttarakhand, India: <https://promedmail.org/promed-post?place=8714018,1475>]

See Also

2021

Peste des petits ruminants - India: (Gujarat) goat, spread 20211204.8700065

2018

Animal die-off, sheep - India: (Telangana) peste des petits ruminants & others 20180401.5721408

2017

Undiagnosed deaths, sheep - India: (Telangana) RFI 20170313.4895871

2016

Peste des petits ruminants - Nepal (02): (Bajura) sheep, goat, spread 20160318.4104145

Peste des petits ruminants - Nepal: (Bajura) sheep, goat, spread 20160127.3966878

2015

Peste des petits ruminants - Nepal: (Jajarkot) sheep & goat, spread 20151104.3766112

Undiagnosed deaths, sheep - India: (Uttar Pradesh) poisoning susp, RFI 20150504.3339809

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