

## HMPV

### HUMAN METAPNEUMO VIRUS

By:

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HMPV or hHMPV

Human Metapneumo virus

is a single stranded RNA Virus isolated for the first time in 2001 in Netherlands by Bernadella G van den Hooger and her associates using RAP - PCR (RNA arbitrarily primed PCR ) testing.

In humans it was detected in 2001 and  
in Avian Metapneumo Virus in 1970  
The virus has 4 lineages  
First started in 1800

The Genome has similarities to RSV  
Respiratory Syncytial Virus

IP Incubation Period is 3 to 6 days.

Clinical features

Is usually mild

Fever ,running nose ,sore throat, cough. shortness of breath

In severe cases there may be shortness of breath ,difficulty in breathing ,upper Respiratory tract and lower Respiratory tract involvement and Pneumonia.

Seen in

Children and infants

Elderly

Persons with low immune systems

Common in winter and early springs

Severe in patients with Asthma and COPD

No vaccine at the moment

No specific treatment

Symptomatic treatment

Serious cases need hospitalisation , ICU care and Oxygen therapy

### Prevention

Cover the mouth and nose while coughing and sneezing ,use tissue paper.

Dispose the used tissue paper

Repeated and regular handwashing ,

Masks

### Spread is

By direct or close contact with Respiratory secretions of infected cases

Or by contact with objects and surfaces contaminated by secretions

At present increased number of cases are seen in China