Symptoms include fever, headache, muscle pain, joint pain, and characteristic skin rash similar to measles. It can be life-threatening dengue hemorrhagic fever, resulting in bleeding, low level of blood platelets and blood plasma leakage. In dengue shock syndrome dangerously low BP occurs. Transmission by *Aedes* egypti.

Herpes DNA, enveloped.
Transmission by direct contact,
Treatment by zoster varicella (acyclovir).
Diagnosis by cell culture.
Few cases were recorded.

Influenza (Family Orthomyxoviridae)
Negative ss RNA enveloped with helical nucleocapsid.
Occur by droplet contact. Treatment is by Amantadine, Rimantadine, Zanamivir, Oseltamivir. Prevention is by hand washing, mouth covering, while coughing, sneezing, avoiding close contact.
More than 300 cases occurred last year.
AIDS (Family Retroviridae)
SsRNA positive sense. Transmission is by sexual contact, blood, breast milk, Treatment HAART.
Prevention by avoiding shared needles, safe sex.
Diagnosis by antibody detection, p24, nucleic acids.
Sporadic cases, Cases are reducing.
Chamki fever (AES) (Acute Encephalitis Syndrome)
Chamki fever is given local name. It is Acute viral encephalitis Syndrome. Causative agent is Herpes virus, Japanese virus, Zika virus, but causative agent can also be bacteria, fungus, parasite, chemical or toxin seasonal and geographical orientation is there in causative organism. It is endemic to gangetic planes. More than 100 children died in Muzaffarpur, East Champaran, Vaishali, and neighbouring places in Bihar. It is rare and serious disease. Most of casualties occurred between 1-10 age group children. It attacks people with weakened immune system and history of visiting litchi orchard (Children eating unripe litchi empty stomach). The disease occur during April to June, It affects central nervous system, Characterized by fever, vomiting, headache, sensitivity to light, stiff neck and back, nausea, problem with speech, hearing, Hallucination, memory loss, drowsiness, weakness, disorientation, delirium, seizure, confusion, coma, paralysis, personality change etc. Japanese encephalitis vaccines are given for age of 9 months, and 2nd with DPT booster at the age of 16-24 months.

CCHF (Crimean Congo Hemorrhagic Fever)
CCHF is viral disease (belong to family Nairoviridae of RNA viruses) can cause fever, headache, muscle pain, diarrhea, vomiting, black stool, and bleeding into skin, mood instability, agitation, Confusion, kidney failure, shock, Acute respiratory distress syndrome(ARDS), liver failure.
25%-30% cases death occurs. After 2015 Cases registered in western Gujrat and Rajasthan (Figure 1).CCHF is spread by tick (Hylomma tick) bites or contact with livestock. Treated with Ribavirin.

Antiviral activity of some medicinal plants:
Garlic (Allium sativum) belongs to family Amaryllidaceae.
Active compound is Allin sulphur containing compound present in Garlic.
It is antiviral due to presence of Allin.
Cinnamon (Cinnamomum zeylanicum) belongs to family Lauraceae.
Spice is obtained from inner bark.
It has high nutritional value.

Measles (Paramyxoviridae)
sRNA negative sense.
Transmission by droplet contact, Treatment none, Prevention by vaccines and avoiding contact.
Diagnosis by antibody detection.
Cases are not very large in number.

Mumps (Family Paramyxoviridae)
SsRNA.
Transmission by droplet contact.
Treatment none, Prevention vaccine and avoiding close contact.
Some cases were registered.

Chickenpox (Family Herpesviridae)
ds DNA, enveloped.
Transmission by direct contact.
Treatment by Zoster varicella (Acyclovir).
Diagnosis by cell culture.
Few cases were recorded.

Pneumonia (Paramyxoviridae)
SsRNA.
Transmission by droplet contact,
Treatment none, prevention by vaccine, diagnosis antibody detection. Some cases were registered.
All viral diseases occur during changing seasons i.e. March and September.

Chickengunia (CH1KV)
Alphavirus ssRNA positive sense.
Chikungunya infection caused by chikungunya virus. 2-4 days after exposure fever occurs which last 2-7 days accompanying joint pain. Mortality rate is 1 in 1000.
Virus is passed to humans by Aedes aegypti.
Before seven years more than 500 cases were recorded.

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Component is cinnamaldehyde and eugenol. *Syzygium aromaticum* belongs to family Myrtaceae. Flower buds are dried and used as spice. Flower bud has antiviral properties active component is eugenol. *Ginger (Zingiber officinale)* belongs to family Zingiberaceae. Rhizome is used as spice and also have medicinal values antimicrobial. *Curcuma longa* belongs to family Zingiberaceae. Rhizome is dried, powdered and used as spice and also used as medicine. *Piper longum* also known as pipili, belong to family piperaceae. Fruit is dried and used as spice and seasoning and medicine. Some plants have Ribosomal Inactivating Proteins (RIP) and are able to insulate against Viral infection. *Phytolacca americana* contains Pokeweed antiviral protein (PAP), *Mirabilis jalapa* contains Mirabilis antiviral protein (MAP). *Dianthus caryophyllus* contains Carnation antiviral protein (Dianthus) (CAP), Phytolacca genus have several RIPs. PAP is very powerful against all type of viruses. PAP can stop transmission of all viruses, even minimum concentration. *Mirabilis jalapa* root, leaf, stem inhibit effect of plant virus activity. Extract sprayed 24 hours before virus inoculation stop virus symptoms. *Mirabilis Jalapa* also controls aphid and white fly population. Transmission of TMV (Tobacco Mosaic Virus) and PVY (Potato virus) controlled by MAP (Mirabilis antiviral Protein).

**CONCLUSION**

12 Microbial diseases were observed out of which Influenza and AES were prominent. *Syzygium aromaticum* and *Zingiber officinale* were effective antiviral medicine in most viral diseases.

**SUMMARY**

The 12 viral diseases were prominent and *Syzygium aromaticum* and *Zingiber officinale* were effective antiviral medicine in most viral diseases.

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