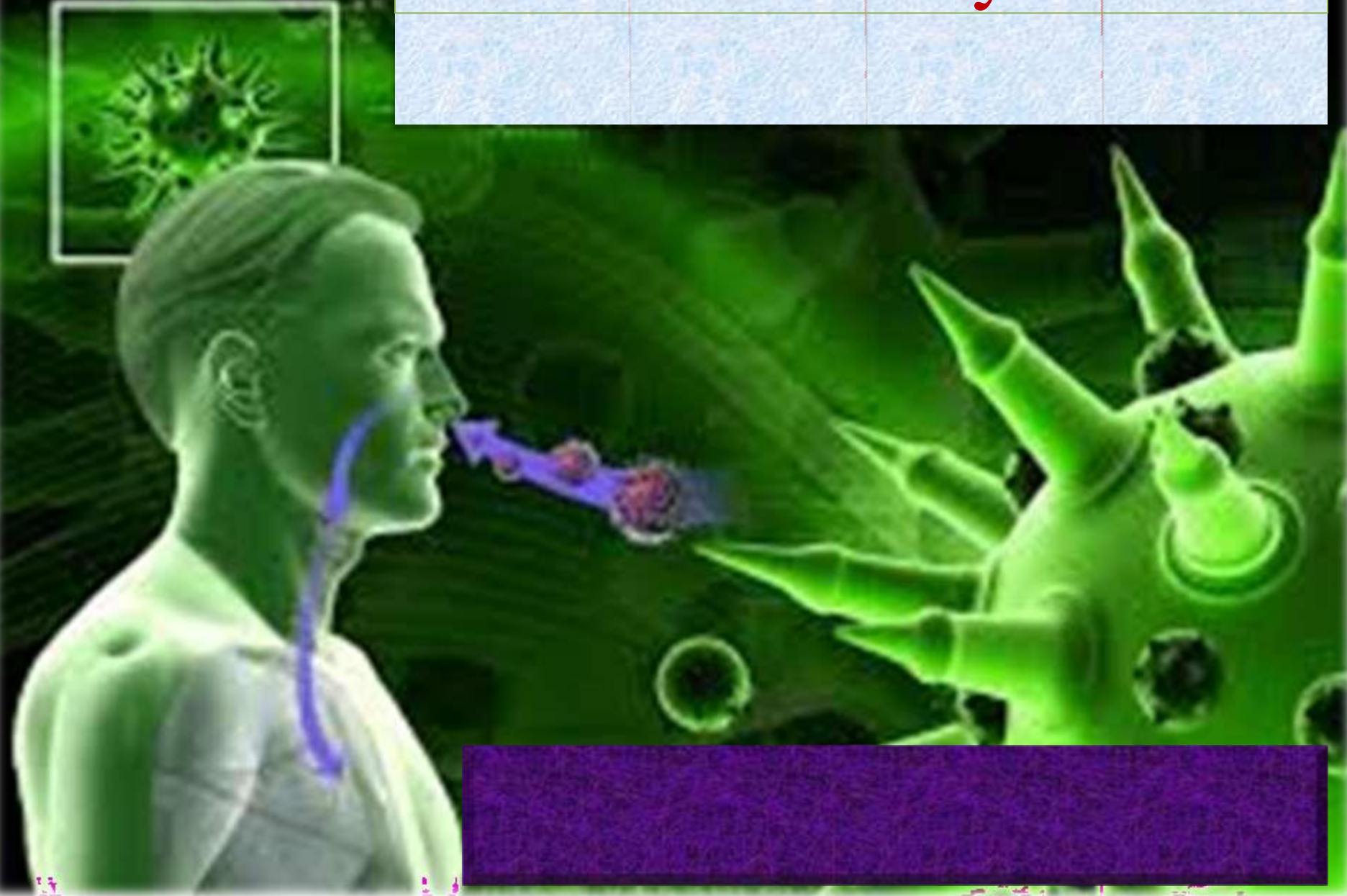


Diseases caused by viruses



Common symptoms of viral diseases

- Flu-like symptoms (fatigue, fever, sore throat, headache, cough, aches and pains)
- Gastrointestinal disturbances, such as diarrhea, nausea and vomiting
- Irritability
- Malaise (general ill feeling)
- Rash
- Sneezing
- Stuffy nose, nasal congestion, runny nose, or postnasal drip
- Swollen lymph nodes
- swollen tonsils
- unexplained weight loss

How are viral diseases treated?

Treatment of viral infections varies depending on the specific virus and other factors.

General treatments for viral infections include:

- Acetaminophen (Tylenol) or ibuprofen (Motrin, Advil) for fever, body aches, and pain
- Drinking extra fluids
- Getting extra rest and sleep
- Maintaining good nutrition



Common viral diseases

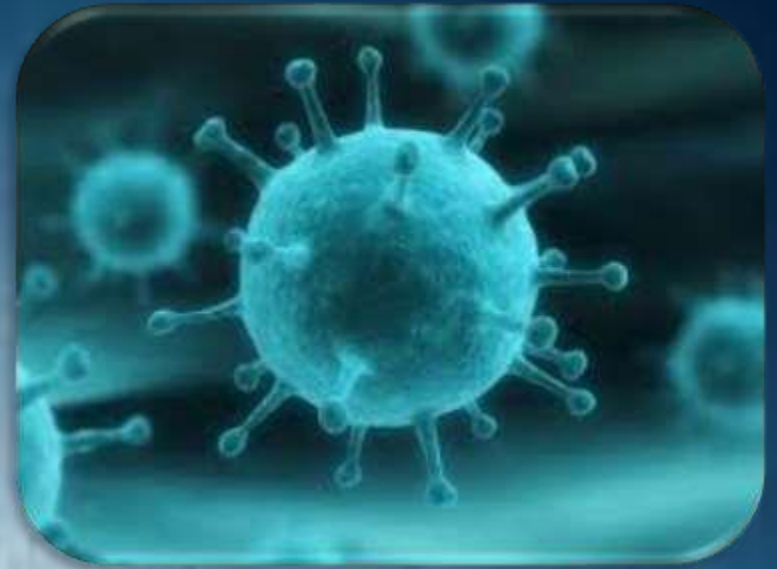
1. Common Cold

Causes: Rhinovirus

Means of spread: droplets

Symptoms:

runny or stuffy nose, sore throat, sneezing, slight fever
Cough, headache or body aches, mild tiredness



2. Influenza

Causes: influenza A and B viruses

Means of spread: droplets

Symptoms:

- dry, hacking cough
- fever or chills
- sore throat
- muscle or body aches, headache
- stuffy and runny nose
- profound fatigue



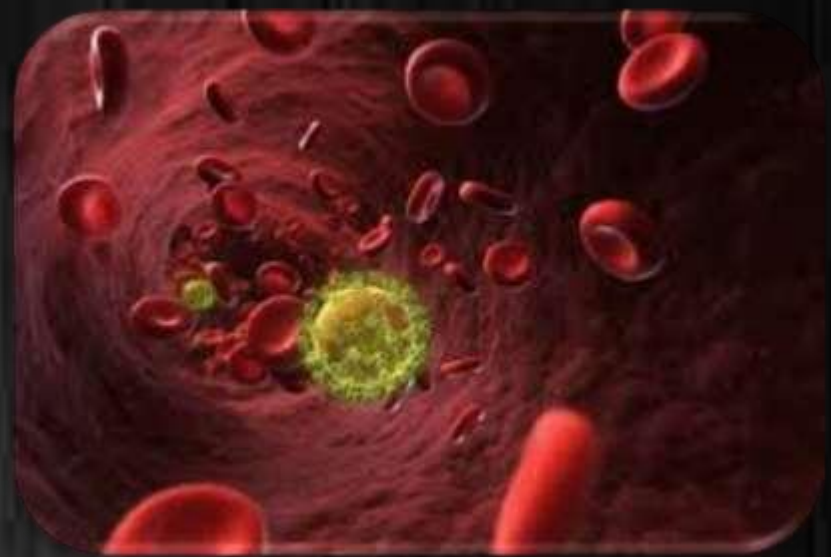
3.AIDS

virus: Human
immunodeficiency virus

Retrovirus(RNA)

Organs Affected: lymphocytes

Transmission: contact with
fluids, Sexual contact



Modes of HIV/AIDS transmission

- ◆ Through blood products
- ◆ Intravenous drug abuse
 - Sharing needles
 - Unsterilized blades
- ◆ Through sexual contact
- ◆ From mother to baby

◆ Natural course of HIV/AIDS

Stage 1 – Primary

- ◆ Short, occurs 1-6 weeks after infection
- ◆ Mild symptoms (flu like illness)
- ◆ Infected person can infect other people

Stage 2 - Asymptomatic

- ◆ Lasts for an average of ten years
- ◆ This stage is free from symptoms
- ◆ There may be swollen glands
- ◆ The level of HIV in blood drops to low levels

Stage 3 – Symptomatic

- ◆ The immune system deteriorates
- ◆ Opportunistic infections and cancers start to appear.

Stage 4 - HIV → AIDS

- ◆ The immune system weakens too much as CD4 cells decrease in number

4. Chicken Pox

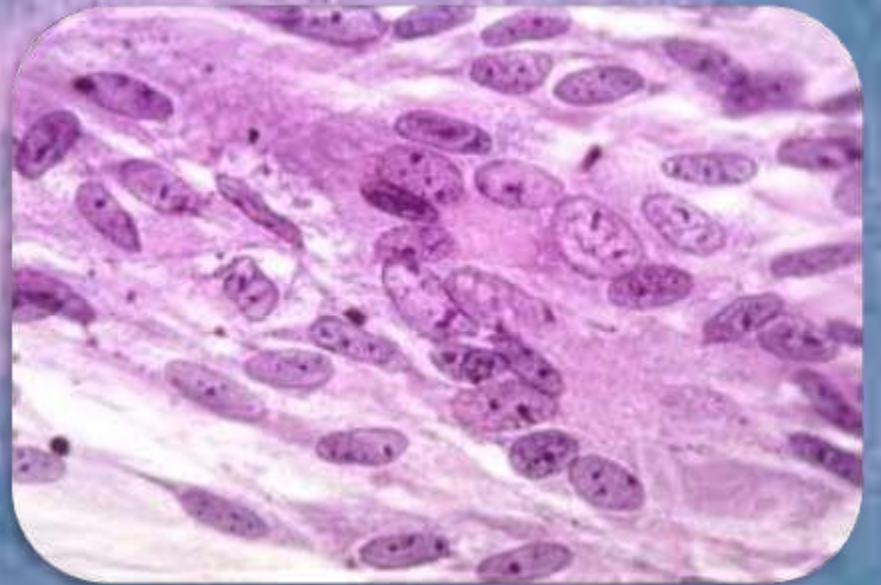
virus type: DNA

Organs Affected:

Skin, Nervous
System

Transmission:

contact, Droplets



5. Measles

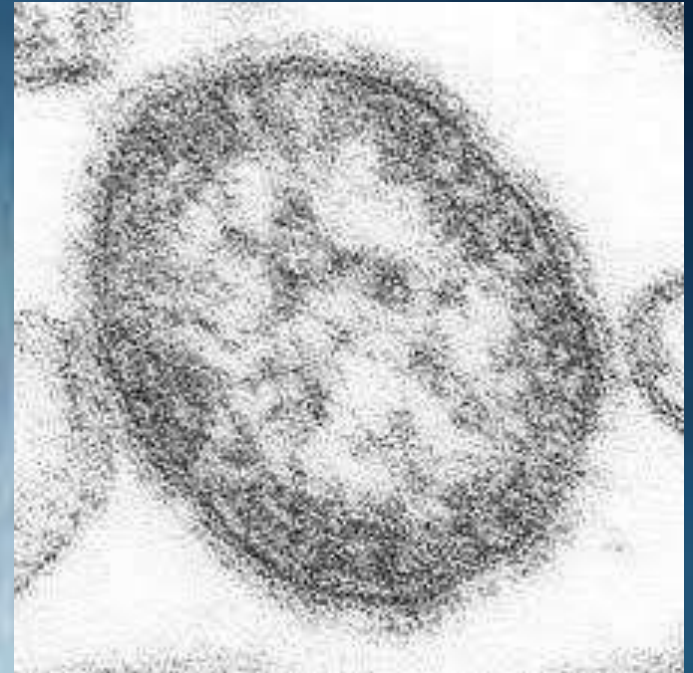
virus type: RNA

Organs Affected:

Respiratory Tract, Skin

Transmission:

contact, Droplets



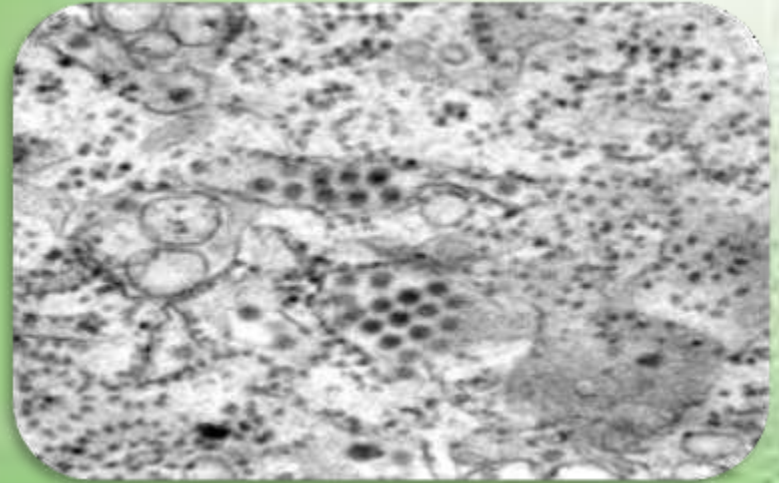
6. Dengue fever

virus type: RNA , Dengue viruses

Also known as breakbone fever

Organs Affected: Blood, Muscles

Transmission: Mosquito (*Aedes Aegypti*)



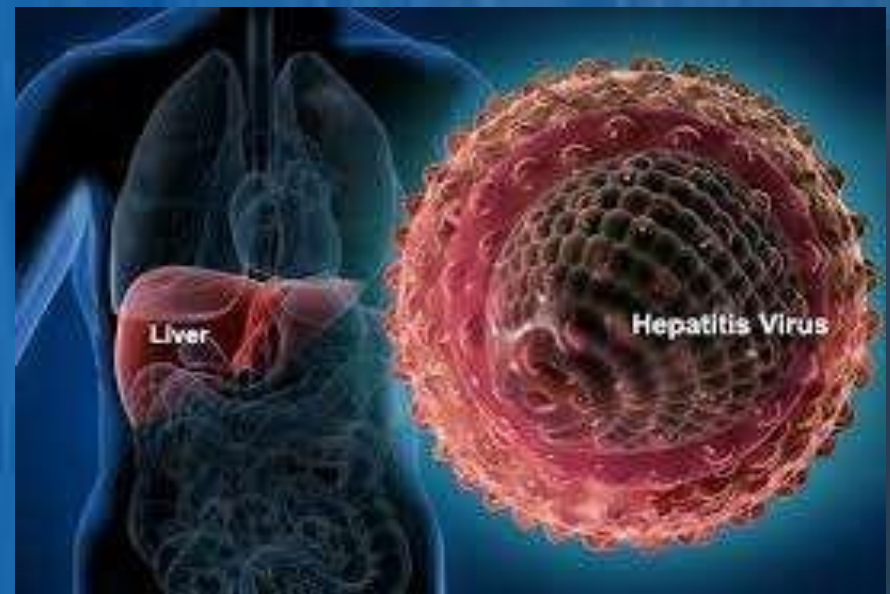
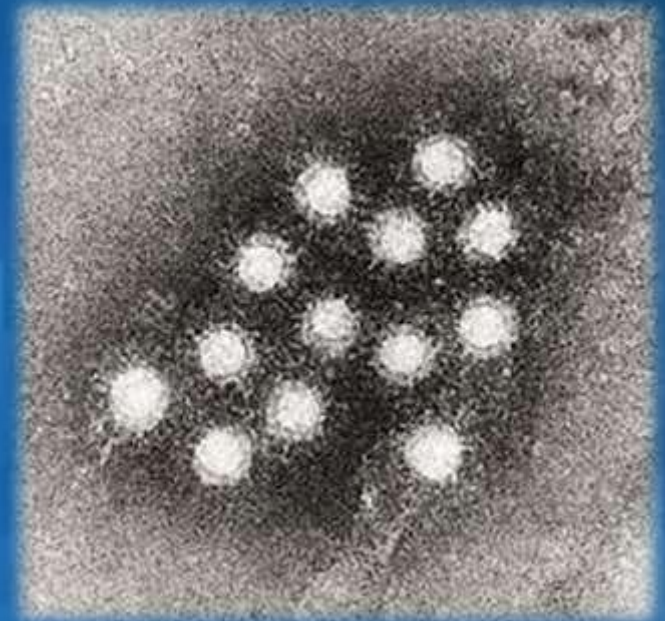
7. Hepatitis A

virus type: RNA

Organs Affected: liver

Transmission:

Food, Water, Contact



8. Hepatitis B

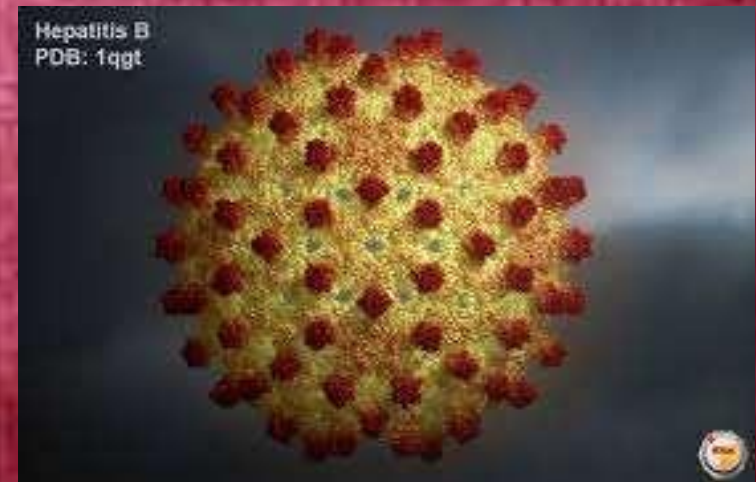
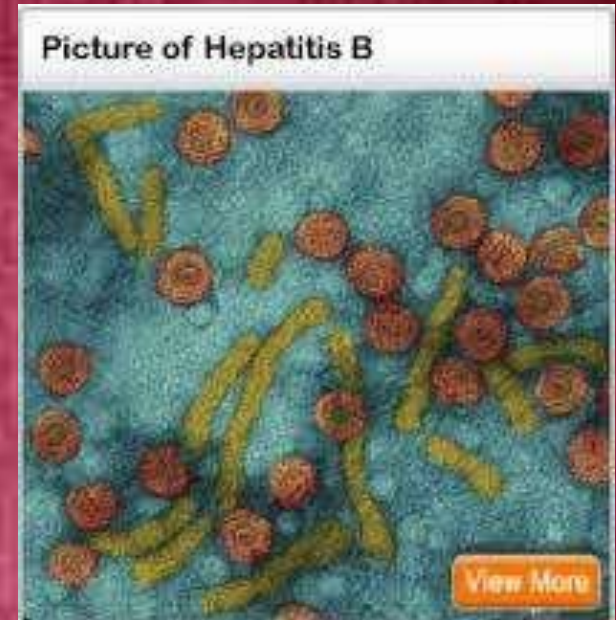
virus type: DNA

Organs Affected: liver

Transmission:

Contact with body

Fluids



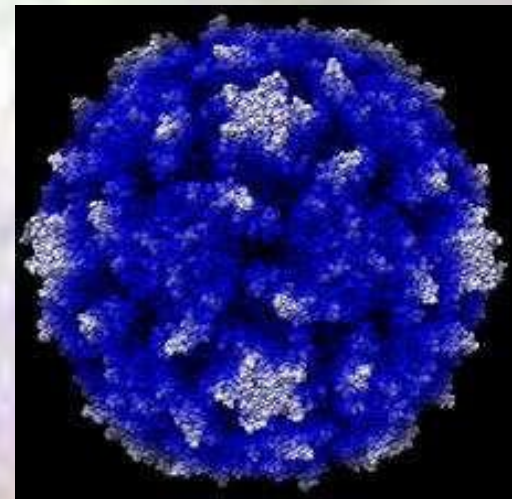
9. Polio

virus type: RNA

Organs Affected: Intestine,
Brain, Spinal Cord

Transmission:

Food, Water, Contact



10. COVID

virus type: RNA , SARS-CoV-2

Organs Affected: Lungs

Transmission:

Air droplet

Origin: Wuhan city, China

WHO declared pandemic
on 11th March 2020

Treatment : Remdesivir
(approved by FDA)

