

* How to treat Virus infection??

↳ First we treat the Symptoms

Fever → Antipyretic

Pain → Analgesic

Dehydration → Fluids

Cough → Antitussive

* fluids

* Bed Rest

• Antiviral drugs

- ↳ can help to cure hepatitis C chronic infection
- ↳ can help to manage HIV infection

↳ Can reduce the severity of infection.

↳ Can reduce the duration of infection.

↳ can help to control a few chronic infections

→ The major problems: Development of resistance, high cost and Side effects

Antibiotics can Not help to treat virus infections

Antibodies can Help to treat virus infections

How to prevent virus infections?

1) passive immunization

Mother to child → through placenta

Mother to child → through breast Milk

Specific antibodies taken from person immune to the disease and given to a person at risk of infection

2) Active immunization (Vaccination) The gold standard prevention method

• Types

↳ Inactivated vaccines

↳ Live - attenuated Vaccines

↳ mRNA vaccines

↳ Subunit, recombinant, polysaccharide and conjugate vaccines

↳ Viral vector vaccines

3) Behavioral and non-pharmaceutical interventions (NPIs)

* Hand hygiene

* Clean needles/syringes

* Face masks

* Respiratory etiquette

* Infection control measures in hospitals

* Quarantine

✱ قلة خطر العدوى
✱ لا تنشئ immune memory