11-Dec-2023 Inshirzh Hussain Name Assignment Topic Gieneral Science Poliomyelitis Sir Majid Raza Submitted To Chaudhay · Poliomyelitis: Definition: The term poliomyelitis derives from Greek
words reffering to inflammation (itis) of the
gray (polios) matter of the spinal cord
(myelos). It is infectious viral disease that
sometimes results in parafysis. The infection
chiefly affects children and young adults.

Avoid using arrows as it would ive informal expressions, add numbers or alphabets Pollomyelitis is caused by any one of three velated viruses called polioviruses. There are three types of poliovirus which have been dentified. Add complete headings e.g. causes of poliomyelitis

- Type 1 (also known as Brunhilde) Type 2 (Lansing) Better to make flow chart of these

Type 3 (Leon) these

Type 1 is the most common form and the one most closely associated with policy more severe, pasalytic progression.

Policyinus typically enters the body through the most and multiple difference insits and the most and multiple difference insits and lymph nodes of the upper respiratory tract Infection proceeds from the mouth into the gastrointestinal tract through the stomach to the intestines. The vixus multiplies in the intestines and is shed from the body in feces, often resulting in further infections.

Large quantities of poliovirus multiply in intestnal tissue, where cells of the body's lymphatic system are congretated. Passage of the viruses into the bridges lymphatic system stimulates the production of antibodies. These specialized immune system defenders, in time, will destroy the viral virus typically invades the blocalstream. => Symptoms 8

. Some infections result in abortive poliomyelitis, a mild form of the disease characters. zed by fever, headache, sore throat, fatigue, nausea, and vomiting. This short-lived form of the illness lasts only from hours to a few days. In more than 95% of coses, the disease gets no worse. · Some poliovirus infections of nerve cells, or neurons, result in nonposalytic poliomyelitis In addition to the fever and other symptoms seen in abortive poliomyelitis, non paralytic poliomyelitis causes pain and stiffness in the neck and back. This infection typically produces aseptic meningitis . In perhaps for 2 percent of cases a more disabling form of the disease occurs, called infection of neurons in the spinal and may cause temporary damage to the cells or permanent destruction. The muscles activated by the invalved neurons become painful and muscular weakness in the arms and legs may develop, sometimes followed by paralysis. . In the most serious cases of palio infection the vivus attacks the brain, causing bulbar

Poliomyelitis. Various nerves in the head.
and face, including those that send signals to the ears, eyes, and the muscles controlling chewing and swillowing, may be affected. Sometimes the varus affects the part of the brain that controls breathing and heart beat, resulting in death.



Treatment: 8

As yet there is no cure for palio-no drug or other medical treatment can halt the destruction of poliovirus in the body. However, several medical treatments can lessen the severity of the disease. Mild causes of polio do not require specific treatment. For the more serious cases of paralytic polio, keeping patients still and quiet can, in some cases, minimize the severity of paralysis. Simple treatments, including moist heat applied to affected muscles, can case pain. Physical therapy can be seed to treat Polio. Sabin oral vagine should be used to prevent this disease.

## Preventive Measures:

While there's no cure for polio, preventive care options - particularly vaccination provide protection against virus. Its recommended that children receive polio varines as part of routine immunizations. Mults can be

Vaccinated against puli, too.

Outside of vaccination, it's essential to practice good handwashing, hygiene habits and proper sanitation and have access to fresh, clear water.

According to WHO:

Cases due to wild poliovirus have decreased by over 99% since 1988, from an estimated 350000 case in more than 125

Use the word case study as it willemic substantiate your point tober 2023).

Your content is fine yet ou need to work on present from In this paper, pictoral forms and case study would help you grab more marks