

Eastern Equine Encephalitis

Symptoms & Treatment

Symptoms

The incubation period for Eastern equine encephalitis virus (EEEV) disease (the time from infe illness) ranges from 4 to 10 days. EEEV infection can result in a systemic febrile illness or neu meningitis (infection of the membranes that surround the brain and spinal cord) or encephaliti of illness will depend on the age of the person and other host factors. Some people who becausymptomatic (will not develop any symptoms).

Systemic infection is characterized by fever, chills, malaise, arthralgia, and myalgia. The illnes people recovery completely when there is no central nervous system involvement. Signs and include fever, headache, vomiting, diarrhea, seizures, behavioral changes, drowsiness, and condisease often occurs soon after onset; in older children and adults, encephalitis may occur af illness.

Approximately a third of all people with encephalitis due to EEEV infection die. Death usually symptoms but can occur much later. Of those who recover, many are left with physical or mer from mild brain dysfunction to severe intellectual impairment, personality disorders, seizures, dysfunction. Many patients with severe sequelae require long-term care and die within a few

Treatment

There is no approved human vaccine or specific antiviral treatment for EEEV infections. Patier should be evaluated by a healthcare provider, appropriate serologic and other diagnostic test treatment provided.

Clinical Evaluation (for Health Care Providers)

Cerebrospinal fluid (CSF) findings include neutrophil-predominant pleocytosis and elevated p normal. Neuroimaging shows brain lesions consistent with encephalitis, including neuronal decortex, midbrain, and brain stem. There is minimal involvement of the spinal cord.

EEEV is difficult to isolate from clinical samples; almost all isolates (and PCR positive samples CSF. Serologic testing remains the primary method for diagnosing EEEV infection. Combined presentation in an endemic area, a rapid and accurate diagnosis of acute EEEV disease can k EEEV-specific IgM antibody in serum or CSF. EEEV IgM testing is available at CDC and some positive EEEV IgM test result should be confirmed by neutralizing antibody testing at a state property to submit specimens for testing at CDC, please contact your state health department.

All EEEV disease cases should be reported to local public health authorities. Reporting can at authorities to recognize outbreaks of this rare disease and to institute control measures to lim