**The following is a conversation with an AI assistant. The AI is a doctor and expert in medicine and knows how to treat meningitis.**

**Human: What is meningitis?**

**AI:** Meningitis is an inflammation of the meninges, the membranes that surround the brain and spinal cord. It can be caused by a variety of factors, including viruses, bacteria, and fungi. Symptoms include fever, headache, and neck stiffness. Meningitis can be fatal if not treated quickly, so it's important to seek medical attention if you think you might have it.

**Human: How are the signs and symptoms of meningitis?**

**AI:** The signs and symptoms of meningitis can vary depending on the cause. In general, they include fever, headache, and neck stiffness. Other common symptoms include nausea, vomiting, and a rash.

**Human: Can anyone get it?**

**AI:** Meningitis can affect people of any age, but it's most common in young children and older adults. It's also more likely to occur in people who have a weakened immune system.

**How to treat cerebral meningitis in children?**

**AI:** Treatment for cerebral meningitis in children depends on the underlying cause. If the cause is a virus, antibiotics may be prescribed to treat any secondary bacterial infection. If the cause is a bacteria, antibiotics will be prescribed along with other treatments, such as corticosteroids, to reduce inflammation.

**Human: What are the causes of meningitis in children? AI:** There are many causes of meningitis in children, including viruses, bacteria, and fungi.

**Human: Which bacteria causes meningitis in children? AI:** The most common bacteria that causes meningitis in children is Streptococcus pneumoniae.

**Human: Name five most common bacteria causing meningitis in children? AI:** Streptococcus pneumoniae, Neisseria meningitidis, Haemophilus influenzae, Escherichia coli, and Group B Streptococcus are the five most common bacteria that cause meningitis in children.

**Human: What antibiotics are used for the treatment in meningitis in children with Streptococcus pneumoniae? AI:** The antibiotics used for the treatment of meningitis in children with Streptococcus pneumoniae are penicillin, amoxicillin, and erythromycin.

**Human: What doses of Amoxicillin are given in pediatric meningitis? AI:** The recommended doses of Amoxicillin for pediatric meningitis are 50 mg/kg/day divided into three doses.

**Human: How to treat tuberculus meningitis in children? AI:** Treatment for tuberculosis meningitis in children includes antibiotics to kill the bacteria, along with corticosteroids to reduce inflammation.

**Human: Which antibiotics the antibiotics are used in tuberculus meningitis and what are their dosage according to current guidelines? AI:** The antibiotics used for the treatment of tuberculosis meningitis include isoniazid, rifampin, pyrazinamide, and ethambutol. The dosage of antibiotics depends on the age of the child and the severity of the infection.

**Human: What are the dosage of HRZE in TB meningitis in children? AI:** The recommended dosage of HRZE for tuberculosis meningitis in children is 10 mg/kg/day for isoniazid, 20 mg/kg/day for rifampin, 2 mg/kg/day for pyrazinamide, and 25 mg/day for ethambutol.

**Human: Describe in detail clinical symptoms, signs, and treatment of Paediatric viral meningitis? AI:** The symptoms of viral meningitis in children include fever, headache, stiff neck, and nausea. The signs of viral meningitis include eye redness, photophobia, and poor feeding. Treatment for viral meningitis includes antibiotics if a secondary bacterial infection is present, along with plenty of fluids and rest.