

Certificate of Completion

THIS CERTIFIES THAT
CALEB FELLOWES

has participated in the following education session:

Vaccine Preventable Disease: Haemophilus influenzae type b

Presenter The Nursing CPD Institute

In this session you will:

- Gain information regarding the epidemiology of Haemophilus influenzae type b in Australia
- Learn the clinical features associated Haemophilus influenzae type b
- Gain knowledge regarding the currently available vaccines in Australia
- Attain information regarding vaccine precautions, considerations including special groups of individuals and the protocol for the vaccine administration

Completed on

30 April 2019 (duration of 1 hour/s)

This equates to 1 CPD Hour/s (Continuing Professional Development)

REFLECTION:

Haemophilus influenzae is a Gram-negative coccobacillus that is a normal part of upper respiratory tract flora. It can be isolated in two forms: capsular and non-capsular. Strains isolated from respiratory tract specimens, such as sputum and middle ear or sinus fluid, usually do not have a capsule, and are known as non-typeable Haemophilus influenzae (NTHi).

Six capsular types (a to f) have been described and, before the introduction of vaccination against Haemophilus influenzae type b (Hib), almost all H. influenzae isolates from sterile sites (blood, cerebrospinal fluid, joint or pleural fluid) were of the b capsular type.

Before Hib immunisation, invasive disease caused by Hib rarely occurred after the age of 5 years. This was because the prevalence of antibody to Hib progressively increased from the age of 2 years, thought to be related to exposure to Hib (or cross-reacting organisms) colonising the nasopharynx or other sites. Children <2 years of age are usually unable to mount an antibody response to the type b capsular polysaccharide, even after invasive disease.



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