

## **DETERMINANTS OF ACUTE SUPPORTIVE OTITIS MEDIA 2003**

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### **Abstract**

Every part of body is important to us; but the ear is a special gift to mankind. Like any organ, it may also be affected by various diseases leading to Ear discharge, decreased hearing, vertigo, tinnitus etc. Discharging ear is a very common, important problem which is often neglected. A discharging ear may be due to any cause – any condition affecting the external ear (all types of otitis externa) or even the diseases affecting the middle ear. Acute suppurative otitis media (ASOM) is an acute inflammation of middle ear by pyogenic organism. It is more common especially in infants and children of lower socio economic group. Typically the disease follows viral infections of the upper respiratory tract but soon the pyogenic organisms invade the middle ear.

Our study is aimed to identify the importance of other risk factors in the occurrence of Acute supportive otitis media; and thereby preventing their incidence. The objective of our study was to find out various determinants of acute suppurative otitis media. We devised a case control study among children below 5 years coming to the ENT out patient department of Medical College, Trivandrum. 50 cases and 100 age

and sex matched controls were selected and were interviewed using a structured questionnaire. Results were analysed using SPSS 14.0 software.

From our study we were able to bring about significant association between history of upper respiratory tract infections (odd's ratio = 4.64 (2.194-9.830), breast feeding in supine position (Odd's ratio = 2.652 (1.313-5.358) and day care attendance (Odd's ratio = 4.586 (2.148-9.677) with the occurrence of acute suppurative otitis media.