Risk Factors Responsible for Acute Otitis Media in Infancy and Children Less than Five Years: A Case-control Study

Manji Mathew Pawathil', K B Rajamma'

'Resident, Department of ENT, Sree Gokulam Medical College and Research Foundation, Trivandrum, Kerala, India, 'Professor and Head, Department of ENT, Sree Gokulam Medical College and Research Foundation, Trivandrum, Kerala, India

Abstract

Introduction: Acute otitis media (AOM) is the most frequent diagnosis in sick children visiting clinician's offices and the most common reason for administration of antibiotics. To highlight the relationship between AOM and its risk factors and its significance if any in children <5 years.

Methods: A case-control study of 200 children where 100 children with AOM and 100 children without ear disease coming to out-patient department (OPD) were assessed.

Results: Analysis showed significant statistical risk factors of AOM such as low birth weight, siblings with otitis media, bottle feeding, recumbent feeding, passive smoking at home, day care attendance, chronic tonsillitis.

Conclusion: There are significant risk factors associated with AOM, which can give rise to serious complications. By identifying the modifiable risk factors, the clinician could inform parents regarding measures to avoid these factors.

Key words: Otitis media, Infancy, Children

INTRODUCTION

Acute oritis media (AOM) also called acute suppurative oritis media is one of the most frequent diagnoses for children seeking acute medical care. It is the second most common disease of childhood after upper respiratory infection mainly affecting children under 10 years of age. AOM accounts for antimicrobial or surgical therapy among a large population of children. The purbogenesis of oritis media is multifactorial including Eustachian tube dysfunction, genetic, infectious, immunologic, allergic, environmental, and social factors. Known risk factors are young age, male gender, bottle feeding, siblings with oritis media, crowded living conditions, smoking at home, hereditary, and a variety of associated conditions such as

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Month of Submission: 03-2016 Month of Peer Review: 04-2016 Month of Acceptance: 05-2016 Month of Publishing: 05-2016 eleft palate, immunodeficiency, ciliary dyskinesia, down's syndrome, cystic fibrosis, unawareness on the preventive effect of newly arrived vaccinations.

Aims of the Study

The main objective of the study is to highlight the relationship between AOM, and its various risk factors and the significance of association if any. The major factors under consideration are as follows:

- Minle gender
- Low birth weight Any infant with a birth weight of <2.5 kg regardless of gestational age
- Preterm birth Defined as bahies born before the end of 37 weeks of gestation (<259 days)
- Breastfeeding factors
 - · Duration of exclusive breastfeeding,
 - Recumbent feeding,
 - Bottle feeding.
 - Sibling with oritis media,
 - Parental history of oritis media,
 - Passive smooking.
 - Family history of atopy,
 - Chronic tonsillitis.

Correspondence Author: Dr. Manji Mathew Pawathil, Department of ENT, Sree Gokulam Medical College and Research Foundation. Trivandrum, Kerala, India. Phone: +91-9846923703; 9633653896. E-mail: manjimathew@yahoo.in

Risk Factors In Infancy Special Aspects Of Education Volume 7

Darcy Ann Umphred, Rolando T.
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Optimizing Early Child Care and Education Alice S. Honig, 1990 Quality preschool programs to serve the needs of dual career families and of youngsters at risk need to be recorded and disseminated This collection does just that A wide variety of successful intervention prevention and remediation programs for young children is described in a collection of research reports that are aimed at a more general audience such as teachers and practitioners who will want to know about the research foundations and techniques and the program materials that they use The researchers represent a variety of cultural backgrounds including England France and the USA Work in training intervenors and in implementing a wide variety of programmatic modes is presented Some of the research reports present programs others introduce new ideas in little known programs BOOK JACKET Title Summary field provided by Blackwell North America Inc All Rights Reserved Reassessing Social Work Practice with Children John Pardeck, Martha Markward, 1997-07-21 Physical to Three .1986 and mental abuse gang related violence homelessness and neglect are just a few of the dangers that a child must face Child welfare officers school social workers and family service providers have been the primary line of defense against these hazards but in order to provide a more effective form of social care these fields must be seen as an integrated whole They must also have the skill to act as multidisciplinary teams Taken from an issue of the journal Early Child Development and Care Reassessing Social Work Practice with Children provides professionals with a dynamic orientation that offers a holistic approach to social work practice with children This view encompasses any and all measures of practice designed to protect and promote the bio psycho social development of children including education protective services and substitutive services

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