

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

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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 otitis media (AOM) also called acute suppurative otitis 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 pathogenesis of otitis 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 otitis media, crowded living conditions, smoking at home, hereditary, and a variety of associated conditions such as

cleft 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:

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

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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

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Risk Factors In Infancy Special Aspects Of Education Volume 7

Richard J. Martin, Avroy A. Fanaroff



Risk Factors In Infancy Special Aspects Of Education Volume 7:

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 **Zero to Three** ,1986 **Reassessing Social Work Practice with Children** John Pardeck,Martha Markward,1997-07-21

Physical 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 Child Abuse and Neglect John T. Pardeck,1989 Child abuse and neglect is recognized as one of the major social problems facing modern society today An increase in the theory and research into causes and treatment has resulted in the growth of practical knowledge derived from the fields of psychiatry psychology education sociology social work and related professions Reflecting a multi disciplinary approach this study presents the latest findings from these fields by exploring the issue of child abuse and neglect from a broad theoretical perspective Both micro and macro approaches are stressed in the work with particular emphasis on social factors related to child abuse and neglect characteristics of adults and families likely to abuse and neglect and emerging strategies of treatment including family therapy Love and Hope Adir Cohen,1990

First Published in 1990 Routledge is an imprint of Taylor Francis an informa company *Early Parenting and Later Child Achievement* Arnold Honig,1991-02-04 **Encyclopedia of Special Education, Volume 4** Cecil R. Reynolds,Kimberly J. Vannest,Elaine Fletcher-Janzen,2018-03-02 The only comprehensive reference devoted to special education The highly acclaimed Encyclopedia of Special Education addresses issues of importance ranging from theory to practice and is a critical reference for researchers as well as those working in the special education field This completely updated and comprehensive A Z reference includes about 200 new entries with increased attention given to those topics that have grown in importance

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on this marginalized minority population Al Khatib provides much needed context and direction for service providers and researchers working with the Arab American community Offering an overview of special education and the rights guaranteed under the Individuals with Disabilities Education Act IDEA this book also helps Arab American families understand the special education process and advocate for their children

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