

Introduction

It is a well recognized fact that Acute Respiratory tract infection (ARI) among children is one of the serious diseases, which accounts for high morbidity. It has been estimated that about 20% of the infants born in developing countries fail to celebrate their fifth birthday and one fourth to one third of the child morbidity is attributed to ARI as underlying or contributing causes.

A Study of Correlates of Acute Respiratory Tract Infection (ARI) among Infants in a Selected Area of Udipi District.

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Major findings of the study

It was observed that maximum number of infants i.e., 49 out of 110 (44.54%) were in the age group between four to six months. Mothers belonging to middle class family were 42.72%. It was observed that all children had ARI at least once during the past three-month's period of assessment. It was also seen that, majority of children i.e., 60.9% had ARI four to six times in the past three months. During the one-month observation, maximum number of children (43.6%) had at least suffered from ARI once. With regard to the knowledge of mothers regarding ARI, it was found that maximum number of mothers had average knowledge.

Keeping these views in mind, a descriptive study on correlates of ARI among infants in a selected area of Udipi District was undertaken. Purpose of the study was to find the mother's ability in different aspects of ARI and trace the relationship between selected factors in order to find ways of preventing or reducing the occurrence of ARI among infants.

The objectives of the study were to :

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Research methodology:

The conceptual framework adopted for the study was based on "fish bone model" showing the cause and effect relation between ARI and selected variables. A descriptive survey approach was used for the study. A cohort group of 110 mothers and infants above three months were selected for the study. Samples were selected by a non-probability purposive sampling technique.

Following instruments were used to collect the data: structured interview schedule to test

Discussion:

The findings of the study showed that majority of mothers had average knowledge

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TOWARDS:- (i) NURSES WELFARE FUND: Ms. Rose K, Vellore, Rs.10,000/-; Bection Dickinson India Pvt Ltd, Gurgaon, Rs.5,000/-; Mr. Rustum J Adranvala C/o Late Ms T.K. Adranvala's Estate, Pune Rs.5,000/-; SNA Unit, Lourdes School of Nursing, Kottiyam, Kollam, Rs.2,000/-; Pramilla Govind Mhaishkar, Pune, Rs.1,850/-; HAL Hospital Staff, Koraput Division, Rs.1,600/-; Ms. G.R Bala, Nagpur, Rs.501/-; Mrs. N. Tangbi Devi, Lamphel, Rs.500/-; Ms Matilda Jose, Trinjalakuda, Rs.101/-; (ii) (NJI) FUND: Ms. Santha Nair, Trivandrum, Rs.1,000/-; Mrs. Dina. A. Panthaki, Ahmedabad, Rs.1,000/-; Mrs. N. Tangbi Devi, Lamphel Rs.500/-; Lt. Col. (Retd) G. Susela Devi, Krishna (A.P), Rs.400/-; Ms. Chapla Devi Sharma, Delhi, Rs.200/-; Lt. Sandhya V.S, 56 APO, Rs.100/-; (iii) LAKSHMI DEVI STAFF WELFARE FUND: Mr. Rustum J. Adranvala, C/o Late Ms T.K. Adranvala's Estate, Pune, Rs.2,000/-; (iv) CENTRAL INSTITUTE OF NURSING (CIN) FUND: Major Jennifer James, Kolkata, Rs.300/-; Tripura State branch TNAI Rs.5,000/- (v) GEN-ERAL FUND (DONATION): Mr. Vinayak Shriram Joshi, Dombivli, Thane, Rs.501/-; (vi) CONTINU-ING EDUCATION PROGRAMME FUND: Workshop participants (April 2003) Rs.2,200/-; Work-Shop Participants (September 2003), Rs.2800/-.



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ing prevention and treatment of

edge about ARI. Similar observation has been made by Bandyopadhyaya (1972), who observed that ability of mothers to identify signs and symptoms were not adequate. A significant association was found between occurrence of ARI and malnutrition of infant at birth. The findings of this study supports the observation made by Bhargava (1979), who found that pre-term infants suffered higher respiratory illness. A significant association was also found between occurrence of ARI and environmental pollution. This is supported by the study done by Rustogi (1993), Cohen (1995), Etzel (1995), Dutt (1987), who inferred that environmental pollution affected respiratory health of children. But the findings of Wesley and Loeing (1996), who found no relationship between ARI and Pollution.

No association was found between occurrence of ARI and factors as physical health of the infant; crowding at home; smoking in the house; type of fuel used for cooking; mothers health status; socio-economic status. This study findings did not agree with findings of Ferguson (1980), who found that smoking in the house predisposed the infants to get ARI and Rustogi (1993), Schmitzberger (1993), Cohen (1995), and Dutt (1987), who found that air pollution and fuel from kitchen affected the respiratory health of infants.

Conclusion:

ARI Continues to be one of the leading cause of child mortality. Attention needs to be paid more on intensive planning of educational programmes for mothers of infants regard-