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A REVIEW OF INFANTILE DEATHS IN THE CHILDREN EMERGENCY, SINGAPORE

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Infantile deaths have a large impact on the family and the community.

Sudden Infant Death Syndrome has been well described.

It was proposed that Sudden Infant Death Syndrome only occurred in the presence of a lethal triad: A vulnerable infant, a critical developmental period in homeostatic control, and an exogenous stressor. Prone placement, bed-sharing and maternal smoking have been identified as risk factors. These findings have led to recommendations regarding the sleep practices among the infant population. In this study, we aim to conduct a retrospective study of all local infant deaths since 1997 to 2009. There were 53 infants aged less than 1 year who presented to the Children Emergency in cardiopulmonary collapse. Of these, 9 (17.0%) were neonates, 10 (18.9%) were 1-3 months old and the remainder 34 (64.1%) were older than 3 months. Among those deaths attributed to medical causes, 32 (68.1%) were due to respiratory causes, 7 (14.9%) cardiovascular causes and 2 (4.2%) neurological causes. Only 3 (6.4%) were attributed to SIDS. Among the respiratory cases, 30 (93.8%) were due to pneumonia and 2 cases due to aspiration (6.2%). 2 cases had positive microbiological diagnosis. Of the 4 cases attributed to trauma, 3 died from suffocation and 1 from drowning. There was 1 case of poisoning from salicylic acid.

This retrospective review serves as a basis for a future prospective study. Determination of risk factors can lead to recommendations to the community that further decrease infant death rates.

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FREQUENCY OF SERIOUS ILLNESS DURING 5-YEAR PERIOD IN OFFICE SETTINGS

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Introduction: When evaluating an ill child pediatrician must be aware of statistics about the occurrence of serious illness, because one of the

major goals of the sick child visit is to identify the seriously ill child. Serious illness is condition which requires the most vigorous therapeutic intervention. Asthma attack belongs to the conditions where prompt therapy is indicated, when it is moderate to severe and the main inclusion criteria is cortosteroid therapy. Serious bacterial infection was defined as pneumonia, sepsis, meningitis, pyelonephritis and osteomyelitis.

Methods: We enrolled all sick children reported for pediatric examination, 0-14 years old during 5 year period, 2005-2009. Retrospective analysis is done. Distribution of sick children was made according to final diagnosis and age. Age groups are 0 - 6 months, 6 - 36 and more than 36 months.

Results: We analysed 10319 sick children during 5 year period. The total number of seriously ill patients was 99 (0.96%). The most frequent illness was acute asthma or bronchiolitis - 42 (42.42%). 17 (40%) was 6-36 months aged and 23 (54.00%) older than 36 months. Serious bacterial illness was found in 50 (50.50%) children. 29 children (29.29%) had pyelonephritis. 12 (41.37%) was in 6-36 months old group and 9 (31.03%) were older than 36 months. 18 patients (18.18%) had pneumonia, 8 (44.44%) in 6-36 months group and 8 (44.44%) in more than 36 months group. We had only three patients with septicaemia.

Conclusion: Serious illness is very rare in our office based settings which makes it even more difficult to distinct „really sick“ children. Only watchful follow up and rational diagnostic and therapeutic approach could lead to right decision making.

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IRON DEFICIENCY ANEMIA IN A CHILD WITH IDIOPATHIC PULMONARY HEMOSIDEROSIS

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Background: Idiopathic pulmonary hemosiderosis (IPH) is a rare disease with a variable outcome. It is characterized by recurrent episodes of diffuse alveolar hemorrhage and iron deficiency anemia.

Case Report: A 6-year-old boy, was hospitalized for severe anemia. At the time of the diagnosis he presented with progressive fatigue and pallor. The physical examination revealed mucocutaneous