

## Characteristic manifestations of acute thinner-intoxicated children: reports from Loghman-Hakim Hospital poison centre

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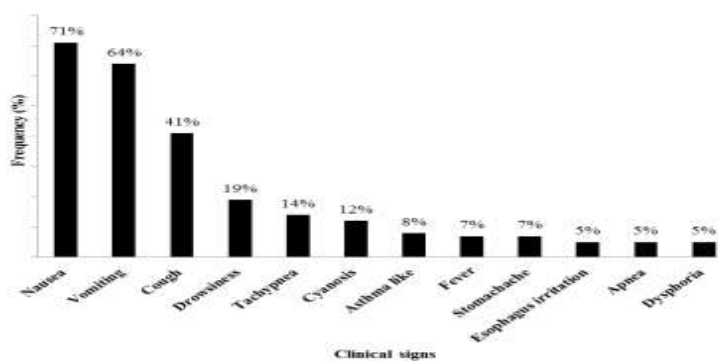
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### Abstract

**Objective:** To evaluate the acute clinical and para-clinical abnormalities among acute pediatric thinner poisoning.

**Methods:** Reviewing charts and collecting medical records of hospitalized acute pediatric thinner intoxication cases from 2008 to 2013 by using pre-determined questionnaire

**Results:** A total of 42 poisoned children were enrolled in this study. The mean age was  $37.2 \pm 2.4$  months. It ranged between 10-96 months, median 3 and mode 24 months. Boys were more affected than girls [22 (64.9 %) vs. 20 (35.1 %)]. Figure shows the clinical finding during admission. The mean  $\pm$  SD of the affected biochemistry tests were: alkaline phosphatase (ALP,  $569.25 \pm 151.58$  U/L) and lactate dehydrogenase (LDH,  $576.14 \pm 164.97$  IU/L). In addition, arterial blood gas (ABG) analysis showed pH ( $7.40 \pm 0.09$ ), PCO<sub>2</sub> ( $37.22 \pm 17.66$  mmHg), HCO<sub>3</sub> ( $21.02 \pm 5.33$  mEq/L), PO<sub>2</sub> ( $62.59 \pm 31.88$  mmHg) and oxygen saturation ( $82.38 \pm 15.03$  %). Chest X-ray predominantly revealed right sided alveolar air space consolidation. There were no report of death in this series.



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**Conclusions:** The following results established the hepatotoxicity and pneumonia among thinner Intoxicated-children cases. However, the outcome of poisoned-patients disclosed successful management.

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