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Title of thesis:- **Detection of intestinal Helminthes in children with Asthma**

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ABSTRACT

Asthma is generally more common in developed than developing countries, and within developing countries, it tends to be rare in rural relative to urban populations.

The relationship between helminthic infections and asthma is highly controversial, many studies suggest that helminthic infections can protect against bronchial asthma and that asthmatic patient are less affected by helminths.

The present study was performed to evaluate the relationship between intestinal helminthic infection and asthma.

The work was carried out on 200 subjects (150 with atopic asthma and 50 normal as control group) aged 2 to 18 years, 110 males and 90 females, having the same socioeconomic conditions, consecutively selected from Abo-Elreesh children Hospital.

Blood and stool were collected from all subjects participated in the study. Direct smear method and concentration techniques (Sheather's sugar floatation and Formalin- Ethyl Acetate Sedimentation method) were done for detection of helminthic infections.

The present study showed that asthma is more prevalent in young children (≤ 5 y) than older children (> 5 y).

As obtained from the results of the present study urban population are more affected with asthma than rural communities, also boys are more affected with asthma than girls, (55.3 %) of asthmatic were males versus (44.6%) of them were females

Key words: Intestinal – helminth – Asthma.