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### **Abstract**

This study was carried out to investigate the effect of lead pollution on the prevalence of encysted metacercariae in musculature and organs of wild alive *Oreochromis nilotica* (600) fish collected from Ismailia canal at El-Tal El-Kabeir and Nefisha and from El-Dobaeia tributary (200 / locality and 59 / season ). The results showing that the prevalence at El-Tal El-kabeir was lower than that at Nefisha and El-Dobaeia tributary. There was a positive correlation between the prevalence of encysted metacercariae and lead levels in both water and musculature. Three types of encysted metacercariae were recognized , Hetrophyidae (three localities), Diplostomatidae and Prohemistomatidae (Nefisha and El-Dobaeia tributary).

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