



[The role of the water factor in the dissemination of *Toxocara* eggs and the spread of toxocariasis in a megalopolis].

<https://arctichealth.org/en/permalink/ahliterature198851>

Author: S A Beér  
G I Novosil'tsev  
L I Mel'nikova

Source: Parazitologija. 1999 Mar-Apr;33(2):129-35

Language: Russian

Publication Type: Article

Keywords: Animals  
Bathing Beaches - statistics & numerical data  
Disease Reservoirs - statistics & numerical data  
Fresh Water - parasitology  
Humans  
Moscow  
Parasite Egg Count - statistics & numerical data  
Rain  
Soil - parasitology  
Toxocara  
Toxocariasis - parasitology - transmission

Abstract: The water factor in transfer of the activators toxocariasis was not taken into account by parasitologists earlier. Yet in the urbanized ecosystems (first of all--in the megalopolis) it can have rather appreciable importance in distribution of toxocariasis in animals and man. Our researches which have been carried out in reservoirs of Moscow with the "wild" and the "organized" beaches, have revealed various, but as a whole their significant, of contaminations by invasion eggs *Toxocara* (*Toxocara canis*, *T. mistax*, and *Toxascaris leonina*). It specifies an opportunity of their hit in organism of the man and, as a consequence--toxocariasis. The examination of the patients toxocariasis of the people (first of all of children at the age of 3-10 years) have confirmed the fact of their bathing and involuntary swallow of water in urban unflowing reservoirs. In ecosystems of the megalopolis at a high level of parasite of pollution increased superinvasion of dogs and cats and free access of animals to internal reservoirs--the risk of infection of the people toxocariasis gradually grows.

PubMed ID: 10771766 [View in PubMed](#)