

台灣北部外籍勞工寄生蟲感染之現況 (1999-2000)

Current status of imported parasitic infection among foreign workers in northern Taiwan(1999-2000).

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摘要

此研究中我們應用簡單、經濟及實用之改良直接沉澱法檢查台灣北部 6,146 位外籍勞工大便標本，發現 615 人感染寄生蟲，總感染率為 10%。新來外籍勞工之感染率 (15%) 較來台工作 6-12 月者 (8%) 為高。來台外勞包括印尼、菲律賓、泰國、馬來西亞及越南五國，寄生蟲感染率：越南 (21%) > 印尼 (13%) > 菲律賓 (10%) > 泰國 (4%)，及馬來西亞僅 1 人為陰性。在性別上，女性勞工 (11%) 顯較男性者種 (5%) 為高。在年齡上，20-30 歲 (11%) > 31-40 歲 (8%) > 41-50 歲 (5%)。在寄生蟲種別及數目上，569 位外勞感染一種 (9%) > 2 種 (0.7%) > 3 種 (0.1%)。引進寄生蟲 14 種 (10 種蠕蟲及 4 種原蟲)，其中 10 種 (9 種蠕蟲及 1 種原蟲，其中鉤蟲類可能有兩種或三種，在此僅算為一種) 是具有致病性的寄生蟲，4 種為無致病性。所感染的寄生蟲種類印尼外勞高達 12 種 > 菲律賓外勞 9 種 > 泰國外勞 8 種 > 越南外勞 7 種。

Abstract

In the present study, a simple, economic and practical technique was employed for stool examination. Of a total of 6,146 fecal samples from foreign workers in Northern Taiwan between 1999 and 2000 were examined, 615 were found to be positive for parasitic infection and the overall infection rate was 10%. Newly arriving foreign workers had a significantly higher infection rate (15%) than those who had worked in Taiwan for 6-12 months (8%). The foreign workers came from Indonesia, Philippines, Thailand, Malaysia, and Vietnam. Except for the small number of workers from Malaysia which was not included, the infection rate order by nationality was Vietnamese (21%) > Indonesian (13%) > Phillipino (10%) > Thai (4%). The female examined workers were about 3-fold of males and their infection rate (11%) was also significantly higher than the males (5%). The order of rates by age was 20-30 years (11%) > 31-40 years (8%) > 41-50 years (5%). According to the species of parasites, 569 foreign workers were infected with 1 species (9%) > with 2 species (0.7%) > with 3 species (0.1%). Totally, 14 species (10 helminths including 1 plant

nematode, Heterodera and 4 protozoa; hookworm might include 2 or 3 species, but counted as one species here) were found, of which 10 species were pathogenic (9 helminths and 1 protozoa) and 4 non-pathogenic. Foreign workers from Indonesia harbored 12 species of parasites> from the Philippines, 9 species> from Thailand, 8 species> from Vietnam, 7 species