

(2002/4/28 2002/1/12)

325

<i>Entamoeba coli</i>	%12.31	<i>Giardia lamblia</i>	:
%0.92 <i>Iodamoeba butschlii</i>		%3.69 <i>E. histolytica</i>	%5.54
<i>Hymenolepis nana</i>	:	%.0.62 <i>Chilomastix mesnili</i>	
<i>Ascaris</i>	%3.38	<i>Enterobius vermicularis</i>	%5.85
<i>Taenia</i>	%0.92	<i>Trichuris trichiura</i>	%1.85 <i>lumbricoides</i>
	%12.0		%.0.62 <i>saginata</i>
			%.0.91

Prevalence of Intestinal Parasites Amongst Foodhandlers in Kirkuk City, Al-Taam'em Province, Iraq

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ABSTRACT

Results of examining 325 foodhandlers and foodsellers in Kirkuk city, Al-Taam'em province, by direct and floatation methods in zinc sulphate and in brine salt solutions revealed their infection with the following parasites: Protozoa, *Giardia lamblia* 12.31%, *Entamoeba coli* 5.54%, *E. histolytica* 3.69%, *Iodamoeba butschlii* 0.92% and *Chilomastix mesnili* 0.62%. Helminths: *Hymenolepis nana* 5.85%, *Enterobius vermicularis* 3.38%, *Ascaris lumbricoides* 1.85%, *Trichuris trichiura* 0.92% and *Taenia saginata* 0.62%. The highest infection 12.00% was among restaurateurs, while grocers show the lowest infection 0.92%, emphasizing their role in dispersion the infection among the community, which require the efforts of public health agencies to take their role to cure them from these parasites.

.(Brown and Neva, 1983)

Shihab and Sultan, Abu Al-Saud, 1983, Arif and Hassoun, 1969)

.(1998 , Fan and Chung,1996 , Fan and Peng,1993 ,1985

.....

1999

1998

325

6

79-9

:

-1

-2

.(Brown and Neva, 1983)

Completely Randomized Design

.(1990) (P = 0.05)

(CRD)

(1)

.(Crompton, 1987)

Trophozoite

Cyst

Egg

%5.54

%12.31

:

:

%.0.62

%0.92

%3.69

%1.85

%3.38

%5.85

%.0.62

%0.92

(1989)

%12.31

Abu Al-Saud (1983)

(1997)

(1992)

(1998)

Ozcelik *et al.* (1995)

%5.54

Abu-Zeid *et al.* (1989)

Al-Abaidy (1988)

(1992)

Wang *et al.* (1971)

(1998)

%15.64

.(2000)

(1992) %3.69

(1998) Al-Dulaimi (1996)

Ozcelik *et al.*(1995) %0.92

(1998)

Shihab and Sultan (1985) %0.62

:1

.(325)

%		
12.31	40	<i>Giardia lamblia</i>
5.54	18	<i>Entamoeba coli</i>
3.69	12	<i>E. histolytica</i>
0.92	3	<i>Iodamoeba butschlii</i>
0.62	2	<i>Chilomastix mesnili</i>
23.08	75	
5.85	19	<i>Hymenolepis nana</i>
3.38	11	<i>Enterobius vermicularis</i>
1.85	6	<i>Ascaris lumbricoides</i>
0.92	3	<i>Trichuris trichiura</i>
0.62	2	<i>Taenia saginata</i>
12.62	41	
35.70	116	

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.(Brown and Neva, 1983)

%5.85

Rhadi (1994)

Kadir *et al.* (1987)

Arif and Hassoun (1969)

(1992) (1989)

(1997)

Al-Dulaimi (1996)

Al-Abaidy (1988)

Autoinfection

.(Beaver and Jung, 1985)

%3.38

(1980)

Al-Hanoon (1976)

Rhadi (1994) (1989)

Al-Dabbagh *et al.* (1994)

Bolbol and Mahmoud (1984)

(1997)

Kadir *et al.* (1987)

(1998)

Fan and Chung (1996)

.(1985)

(Brown and Neva, 1983)

%1.85

(1998)

Kadir *et al.* (1987)

Shihab and Sultan (1985)

Rhadi (1994)

%0.92

Kadir *et al.* (1987)

Shihab and Sultan (1985)

(1980)

(1998)

Geohelminths

.(Brown and Neva, 1983)

%0.62

Kadir *et al.* (1987)

Arif and Hassoun (1969)

(1997)

Ozcelik *et al.*(1995)

Bolbol and Mahmoud (1984)

Borda *et al.*(1996)

.(2000)

(Beaver and Jung, 1985)

()

Cysticercus bovis

(2)

.(Brown and Neva, 1983)

%12

%3.38

%3.69

%4

%2.15

%2.46

.....

.%0.92

%1.23

(P = 0.05)

(1998)

:2

.(325)

%			
84.78	39	46	
86.66	13	15	
18.46	12	65	
45.83	11	24	
29.72	11	37	
32.00	8	25	()
30.76	8	26	
25.92	7	27	
16.00	4	25	
8.57	3	35	
37.87	116	325	

.1985

516

.1990

545

- .1998
 . 117
 .2000
 . 180
 .1992
 . 80
 .1989
 .
Ascaris lumbricoides
 . 139
 .1980
 .1997
 8
 .37-33 1
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