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% , <i>Triodontophorus spp.</i>	% <i>Strongylus spp.</i>
<i>Dictyocaulus</i> %	<i>Parascaris equorum</i> % , <i>Trichostrongylus axei</i> % , (<i>Cyathostomins</i>)
<i>Gastrotiscus</i> % , <i>Oxyuris equi</i> %	<i>Habronema musca</i> % <i>Strongyloides westeri</i> % , <i>arnfieldi</i> % , <i>Dicroceolium spp.</i> spp
%	% , %
	.% ,
	(P<0.05)
(P<0.05)	
	.(P<0.01)
	(P<0.01)

Clinical and hematological study of the internal parasites in native donkeys in Mosul city

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Abstract

The study was included 70 native donkeys at age 3-4 years, 60 animals naturally infected with gastrointestinal parasites and 10 clinically normal served as control group. Coprological examinations revealed that the donkeys were infected with Nematodes such as Large strongyles *Strongylus spp.* 70%, *Triodontophorus spp.* 36.6%, Smallstrongyles (cayhostomines) 33.3%, *Trichostrongylus axei* 33.3%, *Parascaris equorum* 20%, *Dictyocaulus arnfieldi* 13.3%, *Strongyloides westeri* 10%, *Habronema musca* 10%, *Oxyuris equi* 6.6% and Trematode Worm *Gastrotiscus spp.*, *Dicroceolium spp.* 3.3%. The rate of a single infection was 20% and mixed infection was 80%. Diagnoses was based on the measurement and the characteristic shapes of eggs and larvae. Results indicate that diseased donkeys exhibited emaciation 30%, rough coat 68.3%, pale mucous membranes 60%, Pica 53.3%, colic 68.3%, moist ralse 6.6%. Significant decrease (P<0.05) were encountered in the RBCs count (P<0.01) and Hb and PCV values of infected donkeys compared with control, while there were significant increase at (P<0.05) in WBCs and eosinophils at (P<0.01).

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Total leukocytic count			
Total erythrocyte count			
Packed cell	(Hb) Hemoglobin (PCV) volume		
Standard error	Mean	.	()
Microsoft, Ver. 15.0,) SPSS	T- test	.	()
.	(USA)	.	()
(P<0.01) (P<0.05)	.	.	()
		.	(-)
<i>Strongylus spp.</i> , <i>Triodontophorus spp.</i>	% , %	.	()
<i>Cyathostomins spp.</i>	% ,	.	()
<i>Trichostrongylus axei</i>		.	.
<i>Parascaris</i>		.	()
<i>Dictyocaulus</i>	% ,	<i>equorum</i>	.
		<i>arnfieldi</i>	(-)
<i>Strongyloides westeri</i>	%		.
		<i>Habronema muscae</i>	.
<i>Oxyuris equi</i>	% ,	.	.
<i>Dicrocoelium spp.</i> <i>Gastrotiscus spp</i>	.	.	.
	()	% ,	.
%			.
%		-	.
	.	()	.
<i>Trichostrongylus axei</i>		.	()
) <i>Parascaris equorum</i>		()
) <i>Strongyloides westeri</i>		()
<i>Strongylus</i>	()	()
) <i>Gastrotiscus spp</i>	()	<i>spp</i>	.
		.	()
% ,	%		.
%			.
% ,	%		.
	.	Coulter counter (Automatic digital cell counter)	.
	.	/ Beckman	.

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.*Trichostrongylus axei*



.*Parascaris equorum*

(P<0.01) (P<0.05)
granulocyte (P<0.05) (P<0.01)

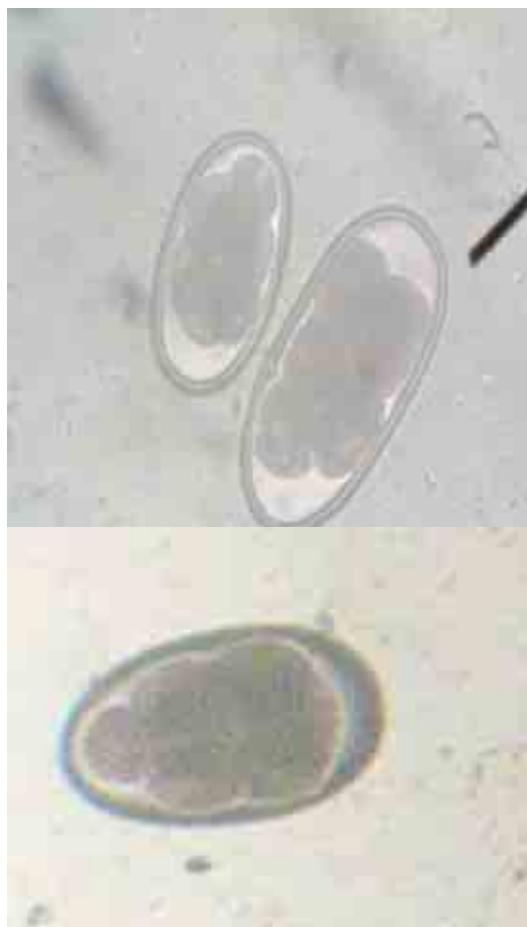
%

<i>Strongylus spp.</i>
<i>Triodontophorus spp.</i>
<i>Small strongyles (Cyathostomins)</i>
<i>Trichostrongylus axei</i>
<i>Parascaris equorum</i>
<i>Dictyocaulus arnfieldi</i>
<i>Strongyloides westeri</i>
<i>Habronema muscae</i>
<i>Oxyuris equi</i>
<i>Gastrodiscus spp.</i>
<i>Dicroceolium spp.</i>

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.Strongyloides westeri

		\pm		
\pm	,	\pm	,	$(/10^3 \times)$
,	,	*	,	$(\%)$
\pm	,	\pm	,	$(\%)$
,	,	,	,	
\pm	,	\pm	,	$(\%)$
,	,	,	,	
\pm	,	\pm	,	$(\%)$
,	,	,	,	
$(P < 0.05)$		*	$(P < 0.01)$	$**$

		±			
±	,	±	,	($/10^6 \times)$
,	,	*	,		
±	,	±	,	($100 /$)
,	,	**	,		
±	,	±	,		(%)
,	,	**	,		
,	,	,	,		
,	,	,	,		
$\cdot (P < 0.05)$		\pm		($/10^3 \times)$	
		*		$\ast (P < 0.01)$	

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Strongylus vulgaris
% %

Trichostrongylus
() % ,
() % ,
() % ,
()



.*Strongylus* spp.

Habronema muscae
. () % %
(-) ()
()



.*Gastrodiscus* spp.

Parascaris equorum
() %
() % , () %
. % () () %

() P. equorum
P. equorum

Strongyles

Strongyloides
% % -
() ()

% , % ,
% , ()

% ,

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Triodontophorus % , *Strongylus* spp. %

spp.

% , () (-)

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Strongylus vulgaris

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Parascaris equorum

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