

« -11: = » -  
« -11: ». - 2015. - . , .1. - . 130-132

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· · · , · · ·  
1995 , 4,57

8-12 ,  
[1].

2013

« »

3,1%

3,04%

3,68%-2,24% 3,86% - 2,54%.  
(3,34%).

( )

[2] [3],

*Echinococcus granulosus*

( )

( )

( ) ,

( ) *E. granulosus*.

9, 11 5

8-205 , 12-38 19-63 ,

*Balb/c*

*X63-Ag8.653.*

3B1G10,

*E. granulosus*

21 ,

1:1024 1:25600,

*IgM*

*Opisthorchis felinus* *Metorchis bilis*.

: *Cysticercustenuicollis*,

108  
(  
21 (19,4%)  
9-  
42,9%  
2- (23,8%).  
(9,5%) 5-  
4- (19,0%),  
(4,7%).  
2-  
(  
)  
21  
*E. granulosus*,  
*E. granulosus*,  
5-7

[4]. A. Benito and D. Carmena (2006)  
*E. granulosus*

-  
IgG

[5].

. C. Casaravilla (2005)

[6]. N.Nonakaetal.(2008)

*E. multilocularis* [7].  
D. armena G.Cardona (2013),  
[8].  
1%- 40%-  
[9].  
( )*E. granulosus*,

1. Shaikenov B.Sh., Torgerson P.R. Changes in the epidemiology of echinococcosis in Kazakhstan // Echinococcosis in Central Asia: Problems and Solutions/ Edited by P.Torgerson and B.Shaikenov.-Zurich-Almaty, Publishing house «Daur».-2004.-P.3-12.
- 2.Gatti A., Alvarez A., Araya D., Mancini S., Herrero E., Santillan G., Larrieu E. Ovine echinococcosis: I. Immunological diagnosis by enzyme immunoassay// Veterinary Parasitology.-2007.-Vol.143, 2.-2007.-P.112-121.
3. Jeyathilakan N., Basith S. A., John L., Chandran N.D., Dhinakar R. Development and evaluation of flow through technique for diagnosis of cystic echinococcosis in sheep// Veterinary Parasitology.-2011.- Vol.180, 3-4.-P. 250-255.
4. Carmena D., Benito A., Eraso E. Antigens for the immunodiagnosis of *Echinococcus granulosus* infection. An update//Acta Tropica.-2006.-Vol. 98.-P.74-86.

5. Benito A., Carmena D. Double-antibody sandwich ELISA using biotinylated antibodies for the detection of *E.granulosus* coproantigens in dogs//ActaTropica.-2005.- Vol.95, 1.- P. 9-15.
6. Casaravilla C., Malgor R., Rossi A. et al. Production and characterization of monoclonal antibodies against excretory-secretory products of adult *Echinococcusgranulosus*, and their application to coproantigen detection // Parasitology International.- 2005.- Vol. 54, 1.- P.43-49.
7. Nonaka N., Oka M., Kamiya M., Oku Y. A Latex agglutination test for the detection of *Echinococcus multilocularis* coproantigen in the definitive hosts // Veterinary Parasitology.- 2008.- Vol.152, 3-4.- P. 278-283.
- 8.Carmena D., Cardona G. Canine echinococcosis: Global epidemiology and genotypic diversity//Acta Tropica.-2013.- V.128.-P.441-460.
9. Casaravilla C, Malgor R, Rossi A et al. Production and characterization of monoclonal antibodies against excretory-secretory products of adult *Echinococcus granulosus*, and their application to coproantigen detection// Parasitol. Int.-2005.-V.54.-P.-43-49.