




 **Current Issue**

 **Browse Issues**

 **Search**



 **About this Journal**

 **Instruction to Authors**

 **Online Submission**

 **Subscription**

 **Contact Us**



 **RSS Feed**

## Acta Medica Iranica

2009;47(4) : 54-57

### Prevalence of *Cryptosporidium* spp. Infection in Renal Transplant and Hemodialysis Patients

KH Hazrati Tappeh, MJ Gharavi, K Makhdoumi, M Rahbar, A Taghizadeh


#### Abstract:

Transplanted and hemodialysis patients are frequently affected by parasitic diseases such as cryptosporidiosis. *Cryptosporidium* is a parasite causing self-limited diarrhea and enteritis in healthy individuals. The presence of *Cryptosporidium* infection was studied in three groups including 87 renal transplant patients, 103 hemodialysis patients, and 60 healthy individuals as the control group. Two stool specimens were obtained from each case. The specimens were concentrated by the formalin-ether method and two smears were prepared from each. The smears were stained by modified acid-fast method and were observed under a light microscope. Ten (11.5%) renal transplant and 4 (3.88%) hemodialysis patients were positive for *Cryptosporidium* infection. No positive results were obtained in the control group. The results showed a statistically significant difference between renal transplant and control groups ( $P= 0.02$ ), but the difference between hemodialysis and control groups was not significant ( $P= 0.2$ ). The results also showed that the rate of *Cryptosporidium* infection in renal transplant patients was much higher than hemodialysis patients. The susceptibility of renal transplant patients to *Cryptosporidium* infection is much more than other studied groups and this could be due to immunosuppressive therapy in these patients.

#### Keywords:

*Cryptosporidium* spp.

TUMS ID: 2558

Full Text HTML  Full Text PDF  148 KB

top ▲

[Home](#) - [About](#) - [Contact Us](#)

TUMS E. Journals 2004-2009  
Central Library & Documents Center  
Tehran University of Medical Sciences

Best view with Internet Explorer 6 or Later at 1024\*768 Resolutions