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| **Study of some pathological effects of *Cryptosporidium parvum* in experimentally infected kids** | | | | | | Research Title |
| Single | Mohammed Th. S. Al-Zubaidi \* , Aalia Yusif Yaquob\* | | | | Shared name \* | Shared or Single |
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| A total of six 5 day – three week old male kids were divided into two groups ; the first , four kids , was infected orally with 1×103 *cryptosporidium parvum*  oocysts . The second , two kids , remained as uninfected control . The parasitological parameters were recorded which included clinical signs , prepatent period , patent period and number of oocyst shedded with the feces. Furthermore , a histological study of the intestine was achieved after the kids were slaughtered .  The morbidity was 100% in the first group with no mortality rate .The prepatent period was 4 -5 days with clinical signs included watery diarrhea , depression , anorexia and recumbency .*Cryptosporidium* oocysts appeared in fecal smears stained with modified Ziehl Neelsen stain spherical in shape and had an average measures 4.5 ×5.1 micrometer.  The patent period lasted for 8 -9 days . The highest average of oocysts shedding was 8900 oocyst per gram of feces in the eighth day of infection.  Histological study of intestine of the first group revealed destroyed villi , epithelial metaplasia to cubiodal cells , adhesion of some villi, infilteration of lamina properia with inflammatory cells and there was some developmental stages of the parasite . There was no lesions in intestine of the second group. | | | | | | Abstract |