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| **Some epidemiological aspects ofCryptosporidiosis in goats and ultrastructural study** | | | | Thesis Title |
| **2009** | | | | Year |
| **The study included three parts :**  **First Part**  **Epidemiolog :** to investigate the prevalence of cryptosporidiosis among goats in Al-Shu'la , Al-Hurryia , Al-Kadimiya and Jkok (Baghdad province ) from April 2008 to March 2009 . Four laboratory methods were used to identify the oocysts : Modified Ziehl Neelsen stain , safranine-methylene blue stain , floatation with Sheather's solution and floatation with saturated salt solution .  A total of 1012 fecal samples were collected from one day – 3 year old goats of both sexes .Furthermore , samples were divided into three groups according to the fecal consistency : diarrhea , pasty and normal . The intensity of infection was estimated also .  **Second part**:  **The experimental infection** : 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 .  **Third part :**  **Examination of intestine with transmission electron** **microscope** : Samples of intestine from infected kids were sent to college of medicine \ university of Nahrain \ electron microscope unit for studying of parasitic developmental stages , which never studied before . Also, a fecal sample from un infected kid was sent to the same unit for negative staining . | | | | Abstract |