

## A SHORT SURVEY ON INCIDENCE OF APPENDICITIS IN BASRAH PROVINCE

SUZAN A. A. AL –AZIZZ<sup>1</sup>, FATEN A. MUSTAFA<sup>2</sup>, SALEH S. MAJED<sup>3</sup> & HABEB F. HUSSEIN<sup>4</sup>

<sup>1</sup>Department of Microbiology and Veterinary Parasitology, College of Veterinary Medicine, Basrah, Iraq

<sup>2</sup>Department of Biology, Collage of Education for Pure Science, University of Basrah, Iraq

<sup>3</sup>Department of Pathology and Poultry Pathology, University of Basrah, Iraq

<sup>4</sup>Al-Sader Teaching Hospital, Basrah, Iraq

### ABSTRACT

Total of (100) cases of males and females in ages ranged between (15-50) years old which were suffering from appendicitis were examined their appendix histopathology after surgery operation in different localities in Basrah province- southern Iraq.

The histopathological lesions of the reported cases showed varying degrees of acute to sub acute appendicitis with infiltration of neutrophils mainly in acute cases especially in lamina propria to mixed inflammatory cells of neutrophilic and mononuclear cells with or without association with prominent lymphoid follicles. The inflammation mostly started in the lamina propria, in some cases the inflammation extends in submuocosa, muscularis externa and even serosa. Some cases showed ulceration of the lining mucosal epithelium of appendix, cases of ulceration in some extend to muscularis externa, even serosa of appendicitis, while, few cases showed evidence of perforation with peritonitis.

Finally, cases of ulcerate appendicitis, also showed oxidative inflammatory materials in human, and areas of edema in muscularis externa were seen in occasional cases. By the other hand no mortalities were reported in the present survey.

**KEYWORDS:** Appendicitis, Peritonitis, Basrah Province, Edema, Inflammatory Cells