

| <i>University of Baghdad</i>            |  |
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| <b>College Name</b>                     | <b>Al Kindy College of Medicine</b>  |
| <b>Department</b>                       | Community  |
| <b>Full name as written in passport</b> | AHMED NAJM MANEA   |
| <b>e-mail</b>                           |  |
|   | <b>Diploma</b>   |
| <b>Thesis Title</b>                     | The evaluation of ultrasonography in the diagnosis of acute appendicitis with histopathology as gold standard  |
| <b>Year</b>                             | 2015-2016  |
| <b>Abstract</b>                         | <p><b>Background:</b> The vermiform appendix is a worm shaped tubular structure projecting from the blind end of the caecum. Acute appendicitis is the most common surgical abdominal emergency with a life time prevalence of 1 to 7 individuals. Because of the clinical diagnosis of acute appendicitis remains a challenge to surgeons, so different aids were introduced like different scoring systems, computer aided programs, ultrasonography, CT scan, MRI, Gastrointestinal tract contrast studies and laparoscopy to improve the diagnostic accuracy. Among these modalities, ultrasonography is simple, easily available, noninvasive, convenient and cost effective .The ultrasound diagnosis of acute appendicitis was first introduced by PUYLAERT in 1986, in graded compression technique.</p> <p><b>Aim of the study:</b> To evaluate of ultrasound in the diagnosis of acute appendicitis in those patients clinically diagnosed with histopathology as gold standard.</p> <p><b>Patients and method:</b> A cross sectional study carried in Al-kindy teaching hospital through one year duration from 1st may 2015 to 1st may 2016.</p> <p><b>Results:</b> A total of 215 patients with suspected appendicitis, males 112(52.09%) &amp; females 103(47.9%) were included in present study. Regarding to the validity results of ultrasound in comparison to histopathology findings were as following; accuracy 86.5%, sensitivity 86.5%, specificity 86.6%, positive predictive value 99.8% and negative predictive value 32.5%.</p> <p><b>Conclusion:</b> The ultrasonography has a good accuracy, sensitivity and specificity in diagnosing acute appendicitis cases.</p> <p><b>Key words:</b> Acute appendicitis, ultrasound, histopathology.</p> |