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| Pathological change in mice after oral administration of egg raw from experimentally infected chicken with Listeria monocytogenes | | | | | | Research Title |
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| This study were done to determine the role of egg in transmission of listeria monocytogenes, for this reason layer were infected orally with listeria monocytogenes and after 30 days the microorganism appear in the eggs, then thirty (30) mice were obtained and split to two groups the first (20) mice were administrated 0.2 ml egg row that contain 106 CFU listeria monocytogenes orally, and the second group (10) mice were administrated 0.2 ml sterile normal saline orally, Then animal sacrificed in 6 hr, 12 hr, 18 hr, 24 hr, then 2, 3, 4, 6, 8, 10, 13 days post administration.  The result shown that the listeria monocytogenes isolated from the intestine and also from other internal organs like liver, spleen and kidney, and the psthological result revealed that severe inflammatory cells infiltration with degenerative changes in all examined organs.  We concluded that the listeria monocytogenes was virulent and infect the mice and give a subclinical disease that approved by the isolation of the microorganism and pathologic feature give the indication that listeria monocytogenes transmeted by egg and still virulent and have the ability to multiply and invade the internal organs. | | | | | | Abstract |