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LIST OF ABBREVIATIONS

Rhipie Sangu.	Rhipie Sanguineus (tick).
Ornih bacoti	Ornithonyssus bacoti (mite)
Laela nuttali	Laelaps nuttalli (mite)
Derm. Ameri.	Dermanyssus americanus (mite)
Derm. sang..	Dermanyssus sanguineus (mite)
Polyl. Spinu.	Polyplax spinulosa (lice)
Polyp. serra.	Polyplax serrata (lice)
MAT	Microscopic agglutination test.

SUMMARY

1. collecting of Blood, urine and necropsy tissue samples from kidneys were inoculated into EMJH liquid medium containing 5-FU from isolation of leptospire. Out of 300 different rodent species (Mus musculus 75, Rattus rattus 150, Rattus norvegicus 75) only 14 (4.7%) gave leptospira positive culture. Rattus norvegicus showed a high isolation percent (9.3%) followed by Rattus rattus (4.7%).
2. Sera obtained from 300 different rodent species (Mus musculus 75, Rattus rattus 150, Rattus norvegicus 75) were screened against the 6 standard Leptospira serovars by MAT only 25 (8.3%) gave leptospira positive serological test. Rattus norvegicus showed a high percent (12%) followed by Rattus rattus (10.7%) and not detected in Mus musculus (0%).
3. Serological examination of 100 blood sera samples collected from human contacts from (Abattoirs attendance 12, Chicken farms workers 60, Houses attendance 18, sewage workers 10) in different locality in Qalyobia governorate. For detection of leptospirosis by using MAT test as a standard test. Was found that the infectious rate was 0%, 0%, 5.6%, 0% respectively.
4. Bacteriological examination of the collected intestinal fecal samples (from 300 different rodent species (Mus musculus 75, Rattus rattus 150, Rattus norvegicus 75) revealed 48 (64%), 78 (52%), 18 (24%) isolates and identification of salmonella respectively. And the serotypes of salmonella species isolated from the rodents species are for salmonella typhimurium (24, 24, 6

respectively) , salmonella enteritidis (9, 21, 12 respectively) and salmonella paratyphi B (15, 33, 0 respectively).

5. Bacteriological examination of 100 stool samples collected from human contacts from (Abattoirs attendance 12, Chicken farms workers 60, Houses attendance 18, sewage workers 10) in different locality in Qalyobia governorate. For isolation and identification of salmonellosis was found that only 56 (56%) gave salmonella positive culture. Chicken farms workers showed a high isolation percent followed by Abattoirs attendance , sewage workers and Houses attendance. And the serotypes of salmonella species isolated from the human contacts are for salmonella typhimurium (16) , salmonella enteritidis (26) and salmonella paratyphi B (14)
6. 300 different rodent species (Mus musculus 75, Rattus rattus 150, Rattus norvegicus 75) were examined for isolation and identification of pasturella maltocida, the total percentage of isolation was 12%
7. Pasturella maltocida isolated from 100 nasal swabs samples collected from human contacts from (Abattoirs attendance 12, Chicken farms workers 60, Houses attendance 18, sewage workers 10) in different locality in Qalyobia governorate were as a total percentage of 10%.
8. 300 different rodent species (Mus musculus 75, Rattus rattus 150, Rattus norvegicus 75) were examined for isolation and identification of Staph. aureus, the total percentage of isolation was 79% (25 % , 33% , and 42% respectively).
9. Staph aureus isolated from 100 nasal samples collected from human contacts from (Abattoirs attendance 12, Chicken farms

workers 60, Houses attendance 18, sewage workers 10) in different locality in Qalyobia governorate were 83.3%, 90%, 83.3% and 70% respectively as a total percentage of 86%.

10. Ecto-parasites of different species of 300 trapped rodents species as a total percentage of 20% (*Mus musculus* 7%, *Rattus rattus* 9%, *Rattus norvegicus* 4%).

11. Serotypes of bacteria isolated from Ecto-parasites of different species of 300 trapped rodents species are *S. typhimurm* as total percentage of 11%, *S. enteritidis* as total percentage of 11%, *S. paratyphi B* as total percentage of 14%, *Staph. Aureus* as total percentage of 12%, Serotypes of *Pasteurella multocida* isolated (A1, A2 and A6) as total percentage of 0% and Serotypes of *Leptospira* species isolated as total percentage of 0%

Experimental Design

