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| University of Baghdad |
| College of Veterinary and medicine | College Name |
| Microbiology | Department |
| SHONI MIKHAEL ODEESHO  | Full Name as written in Passport |
| shony\_odisho@yahoo.com  | e-mail |
| **Professor**  | **Assistant Professor**  |  **Lecturer** |  **Assistant Lecturer**  | Career  |
| Isolation and identification of Respiratory Syncytial virus from Infants with histopathological studies of the isolated virus on experimental animals | Research Title  |
| Single | Shony M. Odisho, Anton S. Al-bana and Nahi Y. Yassen | Shared name  | Shared or Single |
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| Human Respiratory Syncytial virus is one of the major causes of sever bronchiolitis and pneumonia in infant. Human RSV was successfully isolated in Hep-2 cell line from five specimens collected from infants with respiratory tract infection, previously tested for presence of RSV antigen by using Respi-strip kits, where cytopathic effect was first detected on 3rd passage with characteristic giant cell or syncytia type formation after 3 days post inoculation. Viral isolates were identified by using homologous reference antiserum by applying indirect immunofluorescent technique (IFAT) and neutralization test (NT). Experimental infection of mice with isolated virus revealed histological changes in infected lung mainly characterized with evidence of acute interstitial pneumonia; in addition viruses were re-isolated from infected lung specimens' after2-7 days of experimental infection. |  |