

## CHRYSOMYA BEZZIANA IN DOGS THREAT BASRAH PROVINCE – SOUTH OF IRAQ

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### ABSTRACT

Above 100 of street dogs were infested with OWS ( chrysomya bezziana larvae villeneuvei ) . It may considered a source of separated of adult fly of Screw – worm ows –fly involve injuries on the skin of sick dogs infected with mange or ticks or lice (external parasite ) which cause Pitical injuries fly lead 150 -500eggs to hatch of the 6-12hours to instor larva &caused myiasis with 50c temperature & 60 -80 humidity (may &June ). Dogs be nervous &run away with heavy infected by ows . infected dogs which under cultural were treated with general therapy &some chemical insecticides take good results .

### INTRODUCTION

screw worm fly ( chrysomya bezziana ) , its an obligatory parasite to worm blood animals , its larvae causing cutaneous myiasis ( strikes) on hosts with resulting loss of condition ; maiming , infertility and death of the host (spradbery;1980; Humphery et al 1980 ). Host records include cattle , sheep , goats , buffalo , pigs , chickens , dogs ,cats , horses and man ( patton , 1920, 1922; Stoddard & Peak , 1962 ; Norris and Murray ,1964 , Alhelfi ,2001 ) . The first recorded of chrysomya bezziana in Iraq in human at , (Al-Rubiay , 1998 ) and in animals in Iraq at 1996 (Abdul- Rassoul et al ) , and first record in animals at Basrah governorate at 1997 ( Al- Taweel 2000). Al-Helfi 2002 , prove the threat of chrysomya bezziana fly in Basrah – south of Iraq .

### MATERIAL AND METHODS

Larvae taken from infested wounds of cutaneous myiasis in dogs .Larvae send to the vet laboratory to examined which its show in to belonged to Diptera – Calliphoridae , chrysomya bezziana some larvae from same animals send to vet laboratory in Baghdad (natural muscum ) for conformation that same show result . Picture were taken to infested dogs by digital camera , larvae take picture by computer . dogs treated by chemical substance and with general therapy (figure 1,2 ) .

### RESULTS AND DISCUSSION

Chrysomya bezziana a first record in dogs at Basrah governorate – south of Iraq . Dogs be source for proliferation of chrysomya bezziana fly at the area because the dogs infested with many parasite ( ticks ,lice ) sarcoptes or soroputs at summer , ( above 50c temperature ) which made injury and some blood were released from its, that be good media to fly to lead there eggs on it . Maggots needed to blood in order to grew on tissue and made necrotic and damage and then secondary infection ( Oldroyd & Smith , 1973 , FAO,1992 , Serfes,1980)Dogs can be potential threst to area ,NieLsen ,2003). Infected dogs with myiasis are treated with Alkohol 90 % and Butanol in order to make larvae lead the wound ,then added Iodide –R 18% to clean the wound and put a cotton to coat the injury and then larvae be asphexiation . Nagasunt were used around the wound to kill insect and larvae antibacterial substance for secondary infection &. supportive treatment are taken ( oxytetracycline , Novalgin , Dexamethason ) .

Good result are take place after 24-48 hours of treatment .with try on some infected dogs others were dead with heavy infestation of s w in ears ,eyes ,head (brain )muscles and they show nervous signs before dead .

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