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 villeneuvi). It may considered a source of separation of adult fly of Screw – worm ows – fly involve injuries on the skin of sick dogs infected with mange or tics or lice (external parasite) which cause Pitical injuries fly lead 150 -500 eggs to hatch of the 6-12 hours 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), it's 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 (tics, lice) sarcoputs 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 threat 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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