

**APPLICATION OF THREE FORMULATIONS OF ABAMECTIN TO
CONTROL MANGE OF ARABIAN CAMELS**

A.M. Khalaf and H.M. Ramahi

College of Veterinary Medicine, University of Baghdad, Baghdad, Iraq

(Received December 31, 2000 ; Accepted May 27, 2001)

ABSTRACT

The study was conducted on (35) Arabian camels (*Camelus dromedarius*) naturally infested with Sarcoptic mange in Najaf province. Animals were divided randomly into (7) equal groups. Group No. (1) kept as non-treated control group. Groups No. (2) and (3) treated with (0.2) and (0.4) mg/kg b.w. abamectin S.C. (injection formulation), respectively. Groups No. (4) and (5) treated with (0.5) and (1) mg/kg b.w. of abamectin (pour-on formulation), respectively. Groups No. (6) and (7) were treated with (0.2) and (0.4) mg/kg b.w. of abamectin , as (horse wormer formulation), respectively. Animals were examined clinically and microscopically (skin scraping examination) at day (0) before treatment and days (10), (20), (30) and (40) post treatment, as well as the first (4) hr. post treatment to record any abnormalities in site of application and general condition of treated animals. The reduction in No. of mites (all stages) in skin scraping samples and improvement of skin lesions were used as indicators for drug efficacy. All animals treated with injection and pour-on formulations showed (100%) recovery, while animals of group (6) and (7) showed (93.75%) and (98.6%) recovery, respectively. No side effects to the drug were recorded and treated animals showed detectable improvement in body condition.

استخدام ثلاثة تراكيب من عقار Abamectin في السيطرة على مرض الجرب في
الجمال

أحمد محمد خلف و حيدر محمد الرماحي

كلية الطب البيطري ، جامعة بغداد ، بغداد ، العراق

الخلاصة

أجريت الدراسة على (٣٥) جمل مضمج طبيعياً بمرض الجرب بمحافظة النجف . تم تقسيم الجمال إلى سبعة مجاميع متساوية ، اعتبرت حيوانات المجموعة الأولى حيوانات سيطرة (مصابة غير معالجة) ، وعولجت حيوانات المجموعتين الثانية والثالثة بتركيبية الحقن تحت الجلد بعقار Abamectin بجرعة (٠,٢) و (٠,٤) ملغم/كغم من وزن الجسم على التوالي . وعولجت حيوانات المجموعة الرابعة والخامسة بتركيبية السكب على الظهر بجرعة