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## SPECIAL SECTION ON WILDLIFE HEALTH

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### USE OF FORTWIN INJECTION FOR THE SEDATION OF ZEBRA

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A Zebra suffering with impactive sandycolin was brought to veterinary clinics, College of Veterinary Sciences, Hissar. The animal was sedated with 5.0 ml of fortwin injection l/m. The induction time was 20 minutes. The mineral oil and luke warm water anema was given soon after the animal was sedated and repeated twice at three hours interval. The effect of fortwin lasted for about four hours and it had to be re-injected with 3.0 ml of fortwin. The animal passed impacted faecal mass in about 8 hours and was subsequently given 500 ml of mineral oil orally. Complete recovery was obtained in 12 hours with no untoward effect of fortwin.

### SOME BIOLOGICAL STUDIES IN SWAMP DEER (Cervus duvauceli duvauceli) AT DUDHWA NATIONAL PARK

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A study on population, food and feeding behaviour and disease problem of the swamp deer undertaken by IVRI during 1985-87 revealed a rising rend of 12.4% in 1985-86 and 27.2% in 1986-87 with an overall increase of 42% during 1985-87. The overall increase in males and fawns over the entire study period was 43.0 & 150 percent respectively.

Animals grazed/browsed in the early morning hours and in the evening. Nutritional analysis of grass samples vis-a-vis determination of chemical composition of faecal samples of deer grazing the same pasture revealed mean crude protein content in faeces of swamp deer to be almost similar to that of mixed grasses of the area. Analysis of 41 grass and legume samples revealed that crude protein content of herbage ranged from 2.8% to 15.4% on drug matter basis.

Prevalence of pasitic infection was found in 30.6% of 119 total faecal samples examined. Flukes (Fasciola gigantica and Amphistome sp.) and lung worm (Muellerius capillaris) infections were detected frequently. Schistosoma sp. infection was detected in one sample. Moneizia sp. (Cestode) was found in 2 faecal samples. The findings confirmed that free ranging swamp deer are efficient reservoir hosts for wide variety of parasitic fauna and their obvious

clinical effects can be marked under certain impaired ecological conditions. A blood tinged faecal sample of a swamp deer collected following a herd in the park yielded E. coli Serotype 099., Faecal samples of 2 swamp deer demonstrated acid fast bacilli, indistinguishable from organisms of paratuberculosis. These findings alluded that the habitat has been exploited by some infected livestock.

## **BEAR CUBS IN CAPTIVITY AT DACHIGAM NATIONAL PARK**

**Dr. Mir Mansoor**

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One Himalayan Black bear cub in captivity went off feed and exhibited incoordination of movements at the age of five months. The cub was kept on oral and I/v fluid therapy and also the liver tonics was included in diet. Body temp. next day went to 104 degree F. Antibiotics were given but the animal died due to Gastro-hepatitis.

Another brown bear cub at the age of 8 months developed alopecia. It was thought that animal is suffering from some parasitic infection. A thorough examination for external and internal examination was negative. Vit.B complex was given orally to the cub but the condition did not improve. At last it was decided to give broad spectrum anthelmintic-Fenbendazole at the rate of 10mg/kg body wt. Surprisingly the cub gradually started hair growth and the animal is quite healthy now.

## **HOMEOPATHY IN ANIMALS**

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In Homeopathy diseases are classified on the basis of symptoms that occur in various diseases. Surgery may also be avoided in many cases i.e. Dystokia, effects of vaccination and temporary lameness in animals. Every patient is treated individually according to the symptoms of ailments. There are no prescribed rules for selection of potencies, ordinarily low potencies 3x, 6, 6x or 30 are used in acute cases and in chronic cases, high potencies such as 200, 1M, 10M, 50, are used at long intervals. Medicines are given to animals when they have been without food for sometime, say 30 minutes before they are fed. As a general rule ten drops of tincture may be given for larger animals and 5 drops for small animals like dog & sheep etc. A distinguished Veterinary Surgeon, Dr. Haycock says of Homeopathy "It cures diseases more quickly, it does so without leaving any injurious effects upon the constitutional powers, it saves more lives and it costs less".