

National University Of Science and Technology

Faculty of Applied Sciences

Department of Applied Biology and Biochemistry

EFFECT OF AMPHISTOME LEVEL OF INFESTATION ON ~~TO~~ BLOOD CHOLESTEROL AND GLUCOSE LEVELS

by

NYASHA MUSHAMBI

(Reg. No. N920766b)

Supervisors

Dr Djarova and Mr S.Dube

LIBRARY NATIONAL UNIVERSITY OF SCIENCE AND TECHNOLOGY P.O. BOX 30732, JAWAHAR NEW DELHI	
DATE	ACCESSION
22/10/95	SC1393

QL
391
.P7
7
MUS

This dissertation is submitted in partial fulfilment of the requirements for the Bachelor Of Sciences Honours Degree



* 9 2 0 0 3 0 1 2 6 4 4 *

NUST Library

NOVEMBER, 1995

SC
391
.P7
MUS

AB + B (4)

ABSTRACT

A study of effects of infestation by amphistomes on cattle blood was carried out. Tests were carried out for glucose and cholesterol levels at Bulawayo Mpilo Hospital on 24 samples of blood serum collected from different beasts from different geographical regions of the country. The blood samples were collected immediately after the cattle were slaughtered at Bulawayo CSC abattoir. The level of infestation was related to the level of the two substances; cholesterol and glucose and it was found that for an increase in infestation there was no corresponding increase or decrease in cholesterol and glucose levels. Glucose levels were found to be higher than the normal blood concentration in all beasts. This was not attributed to infestation since there was no difference in its levels even in animals with big differences in infestation. High levels of glucose were attributed to stress and alarm which the cattle were subjected to during transportation and just before slaughter. It was therefore concluded that under the conditions which the study was carried out, infestation ^{did} ~~does~~ not show to have an effect on cattle blood cholesterol and glucose levels.