The present investigation deals with the content of protein in cestode parasite Moniezia expansa Rudolphi, 1810 and its host tissue i.e. normal and infected intestinal tissue of Capra hircus. The result obtained an amount of protein content in the present study indicates that the amount of proteins present in cestode parasite Moniezia expansa is lower (2.72 mg/gm wet weight) as compared to protein present in infected intestine of Capra hircus (3.63 mg/gm wet weight) as well as in host normal intestine of Capra hircus (4.09 mg/gm wet weight).

TABLE: Comparative chart of protein content in Normal host intestinal tissue, Infected Intestinal tissue and their parasite.

<table>
<thead>
<tr>
<th>Protein contents</th>
<th>Normal Intestinal tissue (mg/gm wet weight)</th>
<th>Infected intestinal tissue (mg/gm wet weight)</th>
<th>Moniezia expansa Rudolphi, 1810 (mg/gm wet weight)</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>4.09</td>
<td>3.63</td>
<td>2.72</td>
</tr>
</tbody>
</table>

DISCUSSION

The result obtained an amount of protein content in the present study indicates that the amount of proteins present in cestode parasites is lower as compared to protein present in infected intestine as well as in host normal and infected intestine. This is summarized in table.

In parasitic helminthes, the protein usually constitute between 20 – 40 % of the dry weight (Sharma 1979) but values, as high as 70% of the dry weight have been reported for Macracanthorhynchus hirudinaceus and the infective larvae of Nippostrongylus brasiliensis (Barrett, 1997) the female parasites showed higher level of amino acid then the males (Barus, 1998) the total protein content of Acanthocephalon parasites Fallerisens nagpurensis shows the female parasites were having higher protein content then males.

They also determine soluble, insoluble protein and free amino acids in adult Fallerisens nagpurensis that is soluble protein in female body 40.1± 4.2 where as in male is 20.2± 3.0, in soluble protein is 54.2± 4.2 in female and 30.2± 3.0 in male and free amino acid is 4.05± .05 in female where as 3.10± 0.42 in male body.

The similar result also reported by Jadhav et al., 2007 from Davainea shindei amount of protein present in Davainea.
The present study can be concluded that, the amount of protein is low in cestode parasite than infected intestine and normal intestine of host. As well as the difference in the protein content of the parasite can be due to the difference in diet.

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