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MOGHCIA RAHATAANSIS (CESTODE PARASITE) N.SP FROM PARROT PSITTACINE MOLINAE AT RAHATA TAHASIL DIST AHMEDNAGAR MS INDIA

R.R. Dandawate

Department of Zoology,Arts,Commerce & Science College,SonaiDist Ahmednagar Ms India Email d_rajendra2006@rediffmail.com

ABSTRACT:

Survey of cestode parasites from intestine of Parrot species like *Psittacine* molinae from Rahata Tahasil *Dist Ahmednagar* from during January 2017 to December 2017 The present parasite is having scolex large, squrish, broad anteriorly and narrow posterior. The suckers are large four in number, rounded to oval. The scolex is fooled by neck, broad narrow posteriorly, followed by indistinct segmentation. Testes are five, cirrus pouch regurly alternate, small, eleongated, sub Centrally placed .cirrus straight form vas deference reaches up to the middle of segments .Vagina thin tube runs transversely posterior to cirrus pouch. Seminal receptacle is thin tube opens into ootype. Ovary median, oval located almost towards middle of the segments. The parasite is named after locality Rahata Tahasil Dist. Ahmednagar, where the parasite and host found abundant .

Keywards – Suckers, Scolex, Vagina, Vas deference, Cirrus pouch

INTRODUCTION:

The parrot, Psittacine molinae interiorly belongs order Psittaciformes and. ,Family Psittacidae having 92 gerna and 392 species The life spawn of parrot is 10-15 yearsThe habitat is mainly primary forest dwellers of trophical zone around world .The uses of paratos are known for their colourful plumage.Many birds are able to communicate with human but only parrots. The parrots are omnivorus, they eat both meat and vegetation. Their diet contains nuts, flowers fruits, birds and insets. They have strong jaws that allow them to snap open nutohells to get to the seed that inside. Parrot sleep standing up with one foot up. Male vivid emerald green with flame colored beaks .Female are crimson and royal blus with black beaks and bright scarlet heads. The par rot is affected by cestode and nemarode parasites

The genus Moghesia was erected by Neyra in 1944..Moghe(1933) synonymied it as Baeria with the type species M.orbiutria, from orbiuterina, from the intestine of Turdoides somervillei in India since from twelve species were reported till to this date. The genus mogheia the representative is sole of family Thysanosomidae from the bird workersGaikwad ,P.M. and Shinde (1981) Gupta,N.K. and Grewal, S.S., 1970 A new cestode Raillietina (R.) Indiayana.n.sp. from Indian spotted¹Gupta,S.P. and Kumar, P., 1976 Studies on some nematode parasites of birds Dove.R³Beveridge, study the Taxonomical status of the anopiocephalid cestode parasites of parrot, 1976 2 Gaikwad and Shinde studies On a new species of Mogheia, Lopez- Neyra, 1944⁴. Diniel R. and E.ic P.Hoberg, 1993SomePlatyhelminths inhibiting white throated sparrow,Zonotrichi albicollis⁵. B.V.Jadhav and R.M. Khadap,2004 A new species of the genus Amoebotaena (Cohn,1900) from Gallus Psittacines at Aurangabad Geraid D.Schmidt J.P. Studies Cyclophyllidean cestodes of Australian Parrot with three new species,2007⁶

MATERIALS AND METHODS :

The present study deals survey of cestode parasites from Parrot like Psittacine molinae from Rahata Tahasil *Dist Ahmednagar* from during January 2017 to December 2017 and brought in to laboratory. The worms were flattened, preserved in 4% formalin, stained with Harris haematoxyline, passed through various alcoholic grades, cleared in xylol, mounted in D.P.X. All drawing was drawn to scale with the aid of camera lucida and wholemount slides were prepared for anatomical and morphological studies. All measurements are in millimeter.

About one hundred and ten specimens of the cestode parasites were collected from the intestine of Psittacine molinae at Rahata Dist Ahmednagar .Out of these five specimens have been taken for taxonomical studies. The warms were large, narrow, cremy white in colour having scolex, neck, 30 immature,20 mature and 10 .The gravid segments scolex is large, squarish, broad anterily, flat posterioly and somewhat narrow, measures 1.103(0.910-1.297) in length and 0.91(0.780- 1.040) in width.The scolex are large, four in number rounded to oval, overlapping to each other, measures 0.531(0.397-0.666) in length and 0.244(0.194-0.294) in width.The scolex followed by long neck broad anteriorly and narrow posteriorly followed

by segmentation, measures 0.565(0.563-0.568) in length and 0.79(0.780-0.800) in width. The mature segments are fifteen times broder, measures 0.238(0.150-0.327) in length and 3.192(3.166-3.219) in width. The testes are oval in shape, five in number and measures 0.066(0.055-0.078) in length and 0.513(0.076-0.0950) in width. The cirrus pouch regularly alternate, small, submarginal, measures

0.243(0.182-0.305) in length and 0.040(0.030-0.050) in width. The cirrus is straight, measures 0.083 (0.076-0.090) in length and 0.008 in width, reaching upto middle of the segments. The vagina is thin tube runs tranversly posterior to cirrus pouch. Germinal pores are small ,oval and measures 0.056(0.053-0.060) in length and 0.025(0.015-0.035) in width .seminal vesicles is thin tube opens into ootype, measures 0.061(0.606-0.630) in length and 0.050(0.008-0.020) in width. The ovary is medium, oval in shape located middle of the segments ,measures 0.060(0.040-0.080) in length and 0.3431(0.326-0.360) in width.The ootype is small and measures 0.008 in length and 0.013 (0.010-0.016) in width.The longitudinal excretory canal measures 0.202(0.198-0.207) in length and 0.161(0.154-0.168) in width.

RESULT & DISCUSSION :

The genus Moghesia was erected by lopes in 1944as atype species Mogheia orbiteriua from the intestine turdoides somervitiei in india The parasite is having scolex present large,squrish,broad anteriorly and narrow posteriorly. The suckers are large four in number, rounded to oval. The scolex is fooled by neck, broad anteriorly and narrow posteriorly, followed by indistinct segmentation. Estes are five,cirrus pouch regurly alternate, small, eleongated, submarginally placed .cirrus straight form vas deference reaches up to the middle of segments .Vagina thin tube runs transversly posterior to cirrus pouch.Seminal receptacle is thin tube opens into ootype. Ovary median, oval located almost towards middle of the segments

The newly identified species differ from other species in different characters which are

1.The present tapeworm differs from M.orbiutrina having testes nine,rounded,cirrus pouch hardly reaching upto the longitional excretory canal

2.It differs from M.megapanuterina having scolex large,globular,testes 17-28 in number,follicular to oblong encirching ovary,cirrus pouch short and elliptical, ovary compact receptacle seminis postior ventral to ovary.

3.The present cestode differ from M.bayamegaparuterina having the scolex almost round,testes four to six in number.ovary roughly oval,vagina posterior to ovary

4.The present worm differs from M. asturi¹ in not having the scolex almost round,testes 16-18 in number locted lateral side of ovary.

5.The present parasite differs from M.capsuchi is not having the testes 10-13 in number on aboral side of the ovary.vagina dorsal to excrttery canal.

6.The present worm differs from M.govindi in which the scolexsmall quadrangular ,testes five in number ,round in shape,cirrus pouch small,cylindrical ,elongated upto 1/3rd from the anterior margin,ovary compact,rounded with a cap of uterus

7.It differ from M.caudatusae, having scolex globular, testes 31, ovary compact, cirrus pouch small, oval and obliquely placed.

8.The present cestode differs from M.turdoides, sonune at al. 1990 in having scolex quadrangular, testes ten in number, ovary single mass, cirrus pouch elongated. The gravid segment broade

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The above differentiating characters are valid enough to accommodate these worms as a new species Magheia rahuriensis n.sp named after locality where the parasites are collected.

CONCLUSION:

The present Cestode Parasite is newly identifies in the intestine of passer domestics. In higher infection it cause the ill effect on health of host or death of host.

ACKNOWLEDGEMENT:

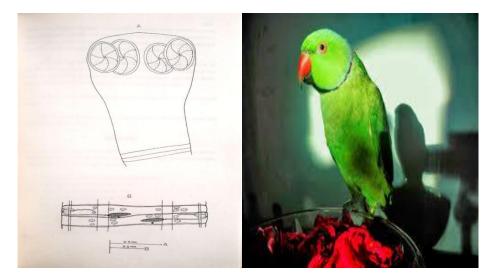
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Parasite- A. Scolex B.Mature segment Host - Parrot Psittacine molinae

(Massena,1854)