Case Report:
A Rare Case of Neonatal Aural Myiasis in a 17 days Old Neonate.

Authors
Bhavna B Kamble, Assistant Professor,
Shraddha Jain, Professor,
Meenal Gupta, Third year Resident,
Pragya Singh, First year Resident,
Department of Otorhinolaryngology, Jawaharlal Nehru Institute of Medical Sciences, Sawangi, Meghe, Wardha, Maharashtra, India.

Address for Correspondence
Dr Bhavna B Kamble,
Assistant Professor,
Department of Otorhinolaryngology,
Jawaharlal Institute of Medical Sciences,
AVBRH, Sawangi (Meghe),
Wardha - 442001
Maharashtra, India.
E-mail: kamblebhavna82@gmail.com

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Abstract: We are presenting a rare case of aural myiasis in a 17 day old healthy neonate from India with no predisposing ear complaints or any other systemic illness.

Key Words: Maggots, Myiasis, Neonate, Aural.

Introduction:
Myiasis in the neonatal period is rare and there are very few reports of neonatal myiasis. Unhygienic conditions in a rural setting predisposes to this condition. Many cases have been reported in adults but very few have been reported in neonates and children. This case is more interesting as a single maggot was extruded from the ear of a 17 day neonate and that too in a clean neonate from a rural background.

Case Report:
A 17 day old male baby was brought to the casualty in emergency hours by his parents with history of excessive crying and irritability since one day. He had no other symptoms and was feeding well. His weight was 3.48 kg. Immediately a call for paediatrician and ENT Surgeon was sent. A surgical call for inguinal swelling on left side was sent. The inguinal swelling on left side had appeared after the baby had excessively cried according to the mother. On taking history, baby was a full term normal vaginal delivery in labour room of our hospital with birth weight of 2.6 kg. Baby and mother were discharged on 5th day. Perinatal period was normal and no ICU admission was required. Patient stays in village in kuccha house with a cattle shed at a distance of 50 meters from house. Hygienic conditions around the surroundings were good.

While waiting in emergency room, father observed crawling of a white coloured maggot of size approximately 4mmx1mm from right external auditory canal of the baby which was collected and kept in glass bottle. There was no history of trauma, ear picking, ear discharge. Blood and debris was observed which was cleaned by a cotton bud. On enquiry, mother gave history of having cattle shed at a distance of 50 meters from the house.

On otoscopic examination, debris was present and external auditory canal was edematous. 4% lignocaine drops and diluted turpentine oil soaked cotton pledget was kept in external auditory canal but no maggot came out. On otoscopy no crawling movement was seen. Maggot was collected and sent to zoologist and grown into a fly of the Order diptera, family Calliphoridae, genus Calliphora.

Routine investigations were as follows: Hemoglobin 11.8 mg/dl, WBC count 7300/cmm, platelet 2.6 lac, blood sugar 93mg/dl, total bilirubin 4.63 mg/dl, indirect bilirubin 4.02mg/dl, direct bilirubin 0.61mg/dl, SGOT 47IU/L, SGPT 19 IU/L, serum urea 22mg/dl, serum creatinine 0.59 mg/dl.

Baby was started on injection ceftriaxone 50mg /kg 12 hourly and injection amikacin 7.5 mg /kg /12 hourly with topical ofloxacin, clotrimazole and 4% lignocaine drops. No further maggot came out. Treatment continued for 7 days with daily cleaning of ear with sterile cotton bud. Tympanic membrane was visualised on day 5th of admission was found intact.
to be intact. There was no mastoid tenderness. Ear was completely dry on day 7th and baby had no fever. Baby was discharged on 7th day with no sequelae.

Infestations of the nose and ears are extremely dangerous because the larva may penetrate into the brain, and in these cases the fatality rate is reported as 8%. Myiasis may also be accompanied by inflammatory reactions and secondary bacterial infections, massive destruction and life-threatening consequences.[13] Our case was unique as a single maggot was found unlike from many other reported cases where multiple maggots were found. No other case has been reported in literature where a single maggot was found in a clean neonate.

**References:**