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CASE PRESENTATION OF RECENT INCIDENTS OF RABIES IN MADURAL AREA

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Abstract:

Madurai Medical College, Govt. Rajaji neered by Louis Pasteur in 1885. While Hospital 5 deaths due to rabies have been upto 50,000 people world wide die of rareported from September 2010 to August bies every year, only 61 cases of human 2011. Out of 5 cases, the diagnosis of ra-rabies were diagnosed in the United bies in 3 cases was confirmed by immuno States from 1990 through 2006, an averfluorescent technique. These three re- age of approximately two per year. This ported cases of rabies have been dis- low rate of human cases reflects the succussed. Out of the three patients, one pa- cess of domestic animal control and vactient received 4 doses of Antirabies vac- cination programme. cine (ARV). But, human antirabies immunoglobulin was not given (HRIG). 2nd pa- Case reports: tient received only one dose of anti rabies Case I: vaccine and the 3rd patient did not receive A 13/4 year old boy from Karaikudi was any medication. The diagnosis of rabies bitten by a rabid dog in his left hand. His was confirmed by direct immuno fluores- wound was washed and debrided in a cent technique of corneal impression near by private hospital immediately. He smear. The reasons for the increased inci- was given 4 doses of Anti rabies vaccine dence of rabies in our area has been dis- (0,3,7 and 14th day) in addition to

Anti Rabies Immunoglobulin

Introduction:

primarily acquired from the bite of rabid ration. On clinical and historical evidence, animal with only six cases of documented he was diagnosed to have rabies meningo human survival.

Infection can be preventedwith proper In India lot of rabies cases are reported. In post exposure prophylaxis, as first pio-

inj. Tetanus toxoid and antibiotics. Human Keyword: Anti Rabies Vaccine, Human antirabies immunoglobulin was not given to him.

23 days after dog bite, he was admitted at GRH Madurai with history of altered sen-Rabies is essentially a fatal viral disease, sorium and inability to walk for 3 days duencephalitis.

Corneal impression smears were taken on followed by a complete course of anti 3rd day of admission and the diagnosis of ra-rabies vaccination. bies was confirmed by direct immuno fluroscent technique. He died of rabies on 30th Possible reasons for the death of the day of dog bite.

Case 2:

A 9 years old boy from a village near Manap- antirables vaccine, HRIG was not given parai had dog bite in his left leg for which he to him. 2nd patient received only one received only one dose of ARV and wound dose of ARV followed by wound defollowed debridement was done inj. Tetanus toxoid.

One year after dog bite, he was admitted These three cases were living in rural with history of inability to walk and history of area. They were not aware of the consefrequent fall of 4 days duration. His general quences of dog bite and rabies. Since, condition deteriorated and he developed they were living in a village, it will take a quadriparesis with respiratory paralysis. Di- long time for them to go to nearby hospirect immuno fluorescent technique of corneal tal (or) PHC. Since, they were on daily impression was positive for rabies antigen. wages, they could not bring their chil-He died 5 days after admission.

Case 3:

A 32 year old male from Bodinayakkanur a rural area was admitted with history of Conclusion: breathlessness, intolerance to water and air, Every instance of human exposure to and difficulty in swallowing. There was a his- bite by dog (or) other animals should be tory of dog bite 1 ½ months back for which considered as rabid bite, and should be he did not get any treatment. Corneal im- treated as a medical emergency. Irrepression smear showed the presence of ra- spective of the class of wound, the combies antigen by direct immuno fluorescent bined administration of single dose of technique. He died of rabies 3 days after ad- human antirabies immunoglobulin along mission.

Discussion:

Post exposure prophylaxis includes wound specific prophylactic treatment after exdebridement, active and passive immunisa- posure of man to rabies. tion. Local wound debridement can reduce Awareness must be created among the the chances of developing rabies by upto public in rural area and people who are 90%.

According to WHO, human anti rabies im- consequences of rabies, importance of muno globulin (HRIG) should be given to all wound debridement after dog bite and patients with severe rabies exposure on the completion of full course of vaccination. first day of post exposure treatment. (Severe Awareness must be created among exposure was defined by the WHO in 1992 medical personnel treating animal bite as any transdermal wound at any site).

The HRIG should be infiltrated into and around the wound (20IU/kg). If any is left, the remainder should be administered by single intramuscular dose

patients:

Here, though the first patient was given by bridement. 3rd patient did not receive any medical attention.

dren to the hospital in time for vaccina-

with a full course of vaccine together with local treatment of wound is the best

illiterate and must be educated about cases.

The most effective way of reducing the incidence of rabies is by programme of mass immunisation of dogs and elimination of stray and ownerless dogs.

Case No.	Date of dog bite	Date of admission	Date of Death
1	23 days back	17.01.2011	19.01.2011
2	1 year back	19.06.2011	23.06.2011
3	1 1/2 months back	15.08.2011	22.08.2011

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