

1.

Kosheli Rai, three-year-old female, was brought in the OPD with the presenting complaints of fever and cough for 7 days and difficulty in breathing for 2 days.

History:

Kosheli was well till 7 days back. She developed mild fever and cough on the evening after returning from a marriage party. She was upset for the whole night and vomited two times after cough. Mother gave paracetamol one teaspoon in the midnight and she went to sleep. Kosheli continued to develop cough and fever next 5 days. During these 5 days a medical shopkeeper gave her paracetamol and a cough mixture. For last two days mother had noticed increasing temperature and difficulty in breathing. There was no history of swelling of feet and puffiness of face. These coughing episodes were not associated with convulsion, or noisy breathing. Kosheli was tolerating oral feeding. There was no history of redden, rash, and ear discharge.

Kosheli was born at term in hospital by normal vaginal delivery with the birth weight of 2200 grams. Her perinatal period was uneventful. She was exclusively breast fed for one month and thereafter cow's milk was given in bottle. Mother introduced lito from third month. Mother used to dilute cow's milk with half water. She gives thin lito two times daily and had stopped giving haluwa because of recurrent attack of cough. At present Kosheli is having thin jaulo two times daily and few biscuits. Mother had stopped giving cow's milk, because she thinks that cow's milk is bad for cough.

Kosheli is fully immunized. At present she runs well and communicates well with parent. Mother is confident about her hearing and vision. She had received deworming medicine and vitamin A last month.

Kosheli used to have diarrhoea off and on since infancy. These diarrhoeal episodes used to get better with Jeevan Jal. She was admitted in hospital at the age of 2 years for cough and difficulty in breathing and got better. At present there is no diarrhoea and ear problem.

Her mother works in the carpet factory, her father is a lorry driver and both of them are smokers. Kosheli has an elder brother aged 5 years and is well. They live in one rented room. Mother prepares food in kerosene stove. Father was treated for tuberculosis two years back and completed the course. They have not visited any place outside Kathmandu within past one year.

Examination findings:

Kosheli is irritable. Temperature is 102°F. Pulse is 180/minute. Respiratory rate is 65/minute. Cyanosis was absent. She had palmar pallor. Weight is 10 Kg.

There was flaring of alae nasi. Chest indrawing was present. She was not grunting. Bilateral crackles and bronchial breath sound was present in the right mammary region.

There was no neck stiffness. Ear, nose, pharynx and eyes were normal. There were no skin rashes.

Investigations:

Blood: TLC: 18,200/cmm. P: 85%, L: 15%. Neutrophil: shift to left. ESR: 47mm.

Culture: sterile.

AFB in sputum: -ve.

Mantoux: 0 mm.

Urine: Pus cells: 6-8/hpf. Culture: sterile.

CXR: supplied.