Title: SALMONELLA TYPHIMURIUM MENINGITIS IN AN EXCLUSIVELY BREAST FED INFANT – WHO IS THE SOURCE?

Authors: Dr Sanjay H R, Dr.K.Shreedhara Avabratha , Dr.Rashmi Alva

Presenting author: Dr. Sanjay H.R

Mobile: 8197037324

E-mail: sanjayhosamane@gmail.com

Institution: Father Muller Medical College, Mangalore

Address: Post graduate, Department of Paediatrics, Father Muller medical college, Mangalore

Category: Poster

ABSTRACT:

Introduction: Salmonella typhimurium is a pathogenic Gram-negative bacteria predominately found in the intestinal lumen. Route of spread is feco-oral. Salmonella meningitis is a rare complication that typically occurs in neonates and children less than 1 year.

Case: Five and a half month old exclusively breastfed male child presented with fever, poor feeding and irritability. General examination revealed irritable cry, GCS of 10/15,hypertonia of all four limbs and exaggerated reflexes. Lumbar puncture showed features of pyogenic meningitis. CSF and blood culture grew Salmonella typhimurium. Mother's stool culture also grew Salmonella typhimurim. MRI Brain showed acute infarcts in bilateral cerebral hemispheres. Child was treated with IV Ceftriaxone for four weeks and IV Ciprofloxacin

for two weeks. Child recovered completely at the time of discharge.

Conclusion: Salmonella typhimuium meningitis requires prolonged IV antibiotic treatment. Hand hygiene plays an important role in preventing spread of the disease.