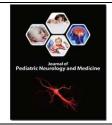
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Role of Serum Procalcitonin as a marker of neonatal sepsis Pradeep Kumar Gupta

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Abstract: Despite the advances in perinatal and neonatal care and use of newer potent antibiotics, the incidence of neonatal sepsis remains high and the outcome is still severe. Hospital Based prospective observational study.50 neonates (preterm & term) with clinically suspected sepsis were studied during 1 year from Jan 2016 to Dec 2016 in Chaitanaya Hospital Chandigarh. Conventional sepsis workup was done in all cases and the diagnosis of neonatal sepsis was proved based on the results of blood culture. The serum Procalcitonin was measured by quantitative Enzyme linked imunofluroscence assay and the results were compared to CRP levels between the neonates with or without proven sepsis. Of the total 220 babies admitted in NICU during that period 50 were eligible for study and analyzed. 24 % babies had Definite Sepsis, 60% had Probable Sepsis and 16% babies had No Sepsis. Of the neonates with suspected sepsis 24 % had culture positive and 76% were culture negative. Mean PCT level was 13.27+- 33.2 ng/ml.

Biography: Dr.Pradeep Gupta born and brought up in Nepal, currently working as a Paediatrician and Neonatologist in Department of Paediatrics in a non government hospital in Nepal. I have completed my post-graduation (MD Pediatrics) from PGIMER,Chandigarh, India. I was awarded scholarship provided by Indian government to pursue my postgraduation in India. I did my undergraduate (MBBS) from BPKIHS, Nepal under full scholarship and I was university topper. <u>drpradeepgupta87@gmail.com</u>



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