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Antimicrobial resistance of organisms causing neonatal sepsis

By Islam Ud Din Khan

GRIN Verlag. Paperback. Book Condition: New. Paperback. 12 pages. Dimensions: 10.0in. x 7.0in. x 0.0in. Research Paper from the year 2013 in the subject Biology - Micro- and Molecular Biology, grade: A, , language: English, abstract: To investigate the spectrum of organisms causing neonatal sepsis in Peshawar, Pakistan and to assess their sensitivity to various groups of drugs. Methods: Blood taken from newborn babies admitted to the special care baby unit at the Khyber Teaching Hospital with a clinical diagnosis of neonatal sepsis was cultured. The data obtained from October 1997 to December 2000 were analysed and the results tabulated. Results: A total of 1598 blood cultures were taken; 1003 were positive (positivity rate 62.8). Escherichia coli was the most common organism found (36.6), followed by Staphylococcus aureus (29.5), Pseudomonas (22.4), Klebsiella (7.6), and Proteus (3.8). No group B streptococcus was grown. Listeria monocytogenes was found in one cerebrospinal fluid culture. E. coli and Pseudomonas showed a high degree of resistance to commonly used antibiotics (ampicillin, augmentin, and gentamicin), a moderate degree of resistance to cephalosporin (cefotaxime, ceftazidime, and ceftriaxone), and low resistance to drugs not used for newborn babies (ofloxacin, ciprofloxacin, and enoxaparin). S...



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