successful bacterial eradication and clinical efficacy. Bacteriological eradication on Day 3-6 of therapy gives 93% chance of clinical success, whereas bacteriological failure results in 63% of patients (Marchant et al. J Pediatr 1992;120:72). The model can also indicate differences in the efficacies of amoxycillin/clavulanate and azithromicin in the treatment of AOM (Dagan et al., in press). The results of this study will be presented during the symposium.

This clinical model confirms that the efficacies of different antimicrobials vary and highlights the need to used potent agents that are able to eradicate the pathogen for the site of infection. Recent guidelines for the treatment of AOM from the Centers for Disease Control and Prevention (CDC) recommended oral amoxycillin as the first-line treatment, followed by oral amoxycillin/clavulanate, cefuroxime axetil or intramuscular ceftriaxone if treatment failure is apparent after 3 days.

CURRENT ABSTRACT

BACTERIAL MENINGITIS IN CHILDREN LESS THAN FIVE YEARS OF AGE AT A PROVINCIAL HOSPITAL IN THE PHILIPPINES

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Objective: To describe the clinical and laboratory profile of bacterial meningitis in children less than five years of age at a provincial hospital in the Philippines

Methods: To increase the previously infrequent use of lumbar tap for CSF samples, a guideline based on combination of neurologic symptoms and signs was develop. Blood and CSF samples were cultured for bacteria, and CSF agglutination was done for pnemococcus, meningococcus (A.C) and Haemophilus influenzae type b. Clinical and laboratory data of children less than five years old were collected from January 1995 to December 1998.

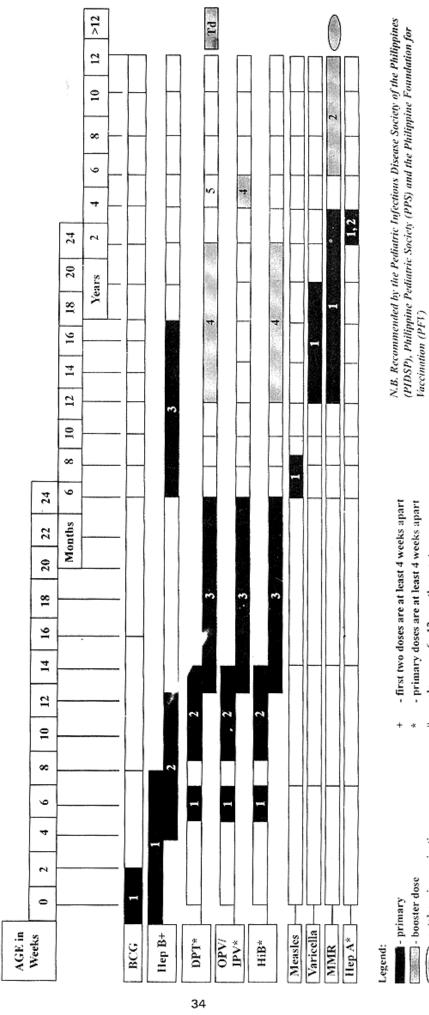
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Age in months	No. of Patients	Etiologic agents	
<2	6	S. paeumoniae (2), S. typhi (1), E.coh (1), P. aeruginoza (1), e, cloac (1)	
2-6	 H. influenzae b (13), S. preumonine (3), S. pyogenes (3), Enterobacter sp. (1) 		
7-11	8	H. influenzae b (4), S. pyogenes (2), E. cioase (1)	
12-23	4	S. pneumoniae (1), S. aureus (2), Non-typhoidal Salmonella (1)	
24-59	6	H. influenzae b (2), S. aureus (2), K. pireunionine (1) Enterobacter sp. (1)	
Total	44		

Results: Six hundred seventy five patients fulfilled the criteria for CSF sampling, out of which 469 (69%) had CSF sample. Bacterial pathogens were identified in 44 (9.4%) cases (table. The frequent presenting signs and symptoms were convulsion (79%) fever (68%) drowsiness/lethargy (43%), bulging anterior fontanel (41%), neck rigidity (41%), and vomiting (34%). Male: female ratio is 1.3:1 Six (13%) patients died.

The most common pathogens identified were H. influenzae type b, 19 (43%) and S. pneumoniae, 7 (16%). The findings were made in both blood and CSF culture, 21 (48%), CSF culture alone. 14 (32%), CSF latex agglutination test alone, 3 (7%), and blood culture alone with concomitant CSF pleocytosis, 6 (13%). Fourteen (32%) had history of previous antibiotic intake. All strains of S. pneumoniae and H. influenzae type b were sensitive to chloramphenicol, cotrimoxazole and amipicillin. *Conclusion:* S. pneumoniae and H. influenzae type b are the most common bacterial causes of meningitis specially in patients less than 1 year old.

CHILDHOOD IMMUNIZATION SCHEDULE Philippines, 2001



- primary

booster dose

catch up immunization

- first two doses are at least 4 weeks apart - primary doses are at least 4 weeks apart

- doses are 6 - 12 months apart

Note:

Typhoid vaccine is optional, but may be given at Syrs of age with booster dose every 3-5 years