EVALUATION OF SMALL INTESTIME FUNCTION IN INFANTS UITH PERSISTENT DIARRHEA (PD) USING MONOCLONAL ANTIBODIES (MAbs). M. Araya, J. Espinoza, F. Alliende, O. Brunser, J. Rebollo, *B. Nichols.INTA,U.de Chile, Santiago, Chile, *CNKC, Houston, Texas, USA. Mabs against enzymes of the brush border provide a new approach to evaluate intestinal lesions in severe PD. The 10 patients with PD in whom a small bowle biopsy was performed during 1992 were evaluated by means of MAbs for lactese (L), sucrass (S), maltase (M) and aminopeptidase (A); results were compared with those of light microscopy, histochemistry for lactase, disaccharidase activities (Dalquist) and clinical history. Diagnosis was DP and severe malnutrition (MN) in 4 case, congenital sucrose intolerance (CSI) 1, cou's milk protein intolerance (CMI) 2, celiad diseas (CD) 1, sigh dericiency 1 and cryptosporidiats (Crypt 1. The latter was the only child with a positive ethiologic study.

| code | diagn | LM | LH | Monoclonal antibodies | | | Dalqvist | | | |
|--------|----------------|------------|------------|-----------------------|-------|--------|----------|--------|----|---|
| | • | | | L | s | M | A | L | s | м |
| 1 | SCI | 2 | 3 | 3 | 4 | 3 | 3 | 1 | 3 | 2 |
| 2 | PD/MN | 1-2 | 1 | 1 | 4 | 1 | 2 | 1 | 5 | 2 |
| 3 | PD/MN | 2-3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 4 | CMI | 2-3 | 1 | 2 | 1 | 3 | г | 1 | 2 | 1 |
| 5 | Crypt | 3 | 1 | 1 | 1 | 1 | 1 | 1 | 2 | 1 |
| 6 | PD/MN | 2-3 | 4 | 3 | 2 | 3 | 2 | 3 | 3 | 3 |
| 7 | CMI | 4 | 4 | 4 | 1 | 4 | 1 | 3 | 3 | 2 |
| 8 | CD | 4 | 4 | 3 | 1 | 2 | 1 | 3 | 3 | 2 |
| 9 | PD/MN | 2 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| 10 | / sIqA | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| LH and | MAbs; 1=67 ~ | 97; 2=34 - | 66.; 3=1 - | 33.; 4=0. | LMCUI | ght mi | croscopy |):1 to | 4. | |
| Dalqvi | st: 1=>100/; 2 | 2=67 -99/; | 3=34 -66 ; | 4=1 -33/; | 5=0. | | | | | |

NAb for sucrase detected more enzyme than Dalqvist, which may be interpreted as that H binds non-functional molecules. In patient with CSJ, MAb for sucrase detedted le enzyme than Dalqvist, which is in agreement with the production of a defective molecul

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TRANSIENT MYASTHENIA NEONATORUM (TMN). A. Azcarate, G. Araujo, M. Lazzari, I. Kurlat. Hospital de Clinicas "José de San Martín", Universidad de Buenos Aires, Argentina.

Martin, Universidad de buends Aires, Augeriana. TMN, secondary to transplacental passage of antibodies directed to acetylcholine receptors, has been reported in 10 to 12% of infants born to myasthenic mothers. Symptoms may appear at 72 hrs. or up to 7 days due to passage of maternal medication. It is a different entity from Congenital Myasthenia inasmuch as the latter has no maternal history of the disease. The present paper reports data from 6 infants born to myasthenic mothers between 3/88 an 3/93. We reports data from 5 infants born to myasthenic molners between sole and a sole to 50 we retrospectively considered perinatal data, symptoms attributable to TMM (hipotonia, asbsent/decreased reflexes, suction, facial expression, apnea/hypoventilation, and IMV requirements) use of antibiotics, response to medication and length of hospital stay. All mothers had received treatment (Prostigmin (R)) during pregnancy. Two infants had no symptoms out of the rest (2 brothers) all were hypotonic; 3/4 had apnea or weak suck; 3/4 required IMV, and ul. 2 medication and length of after being related on the ventilator. 2/4 had promers) all were hypotonic; 3/4 had apnea or weak suck; 3/4 required inWV and all 3 received aminoglycosides after being placed on the ventilador; 2/4 had decreased reflexes and /or facial expression. All 4 received specific medication (Prostigmin (R)). Mean length of stay was 40 days. These data show that TMN may be more frequent than reported and entialis increased neonatal morbidity. Although controversial, different maternal therapy (IVIG, steroids and/or plasmapheresis) might decreased the incidence of TNM.

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EVALUATION OF A PREDICTIVE MODEL IN MIDDLE SOCIO-ECONOMIC STRATUM (M-SES) FAMILIES WHO RECEIVE MEDICAL CARE AT NATIONAL HEALTH SERVICE CLINICS.J. Espinosa, M. Araya, S. Cruchet, O. Brunser. INTA, University of Chile, Santiago Chile. For several years we have been using a predictive model to characterize the morbidity of infants of the low socio-economic stratum (L-SES) with the aim of managing them in programs for high-risk children operated by the Primary Health Care System. Since the National Health Service also provides care for families of the M-SES we evaluated the model in this stratum. A total of 4605 and 1448 charts of children of the M-SES and L-SES, respectively, registered in Health Centers of eastern Santiago were reviewed. In 7.6% of M-SES and in 15.8% of the L-SES, the predictor was positive. Infants were visited weekly at home and their symptomatology was recorded.The results of the 30 infants of the M-SES and the 86 of the L-SES who met the requisited for incorporation and completed follow up are presented.

| 1 | M-SES | | ` L- | L-SES | | |
|------------------------|--------------|-----|--------|-------|--------|--|
| Predictor scores | 36.5 ± 1 | 0.2 | 39.5 ± | 12.7 | NS p< | |
| Total morbidity | | | | | | |
| Mean nº episodes/child | 5.1 ± | 2.4 | 6.4 ± | 2.3 | 0.01 | |
| Mean duration (days) | 7.5 ± | 3.1 | 10.9 ± | 4.1 | 0.0001 | |
| Respiratory morbidity | | | | | | |
| Mean nº episodes/child | 3.3 ± | 1.5 | 4.4 ± | | 0.007 | |
| Mean duration (days) | 8.7 ± | 3.5 | 13.1 ± | 5.9 | 0.0002 | |
| Diarrheal disease | | | | | | |
| Mean nº episodes/child | 1.7 ± | 1.5 | 1.5 ± | 1.2 | NS | |
| Mean duration (days) | 48 + | 6.0 | 43+ | 34 | NS | |

Mean duration (days) 4.8 ± 6.0 4.3 ± 3.4 NS The population evaluated differed only on their socio-economic variables. Total and respiratory morbidities were significantly less frequent among the M-SES while frequency of diarrheal disease was comparable. These results suggest that the predictive model operates in the M-SES for diarrheal disease only.

PRIMARY CARE (PC) OF THE PREGNANCY IN LA MATANZA: EFICIENCY AND COST/BENEFIT RELATIONSHIP. P. Sarrasqueta, A. Schwartz. Hospital Garrahan, Buenos Aires,

Argentina.

Argentina. There is a high frequency of low birth weight (LBW) (12,5%) and uncontrolled prequant women (24%) among the impovereshed population without social security in "La Matanza". In order to modify these facts, we carried out an interventional study at "San Pedro" neiborhood. This population has 75% of family groups with unsatisfied basic needs and unsatisfactory perinatal care. The programme consisted in: 1) Primary care of all the pregnant women in the study area, 2) Family planning education, 3) A trainnig programme for sanitary agents in charge of the pregnancy and home care. A case/control study was developed after two years. The control group was selected among the pregnant women attended in the "Diego Paroissien" Hospital (La Matanza). These patients have similar social and perinatal risk factors compared with the study group. We observed in the study group a perinatal mortality (25%) and a LBW prevalence (7,5%), lower than the frequencies observed in the control group (36%) (12,3%) (p0,01).

prevalence (7,%), lower than the frequencies observed in the control group (36%) (12,3%) (p0,01). Primary care resulted in low perinatal morbidity and mortality and hypothetically diminished the number of LBW (n:34). When porogramme costs and intensive care costs avoided were analyzed, we verified and important saving in health expenses (PC cost: 18570 dollars) (intensive care cost avoided: 53840 dollars) (saving: 35270 dollars). Conclusion: PC of pregnant women improves perinatal results in populations with poor initial outcomes. The investiment in PC can diminish curative costs due to a decrease in LBW.

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27 NECROTIZING ENTERCOLITIS IN THE TERM NEWBORN INFANT. C. Rabasa, S. Perez, M. Martinez Ferro, S. Rodriguez. Neonatología. Mospital de Pediatría "Prof.Dr.J.P. Garrahan",Buenos Aries, Argentia. Neorotizing entercolitis (NEC) is generally associated with prematurity. However 5-25% of infants with NEC can be term newborsk multifactorial. This study describes possible risk factors and main subsisted in the records of TNB (=> 37 weeks GA) with proven NEC (=> 2 of Bell's criteria) admitted to the NICU between 4/88 and 4/93. Of Seven of them had asphysia, 8 polycythemia, 7 had received an exchange transfusion, and 4 had heart failure. Fifteen TMB had sociated pathologic conditions: 4 anno-rectal malformatibes, 7 congenital heart disease, and 1 each with meningomyelocele, Neoplasmosis and megacolon. Mean age age at diagnosis was 12 days. Pneumoniae:3) were isolated from either blood culture and/or peritoneal fluid to 8 TNB. In 18/23 TMB treatment was surgical (drainage and/or was 57%. These data show that TNB with known risk factors may also geven NEC, and its consequences. We conclude that in TNB with these sevena were nece and its possible sequelae.

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IGM ANTI-MYCOPLASMA PNEUMONIAE IN CHILDREN WITH PNEUMONIA.

IGM ANTI-MYCOPLASMA PNEUMONIAE IN CHILDREN WITH PNEUMONIA. F.Ossorio, F. Ferrero, P. Eriksson Hosp. Gral.de Niños "P.de Elizalde", Buenos Aires, Argentina. Pneumonia is an important cause of morbidity and mortality in children in Latin America. Several studies have shown that from 20 to 30% of neumonias in general population may be caused by Mycoplasma pneumoniae (My pn), but its prevalence in our region is unknown. We investigated the presence of IgM anti-My pn by ELISA in sixty-three children aged 0-10 years, with clinical diagnosis of neumonia (confirmed by x-ray studies) between july 1992 and june 1993. Six children (9.5%) were affected by malnutrition, thirty-three (52%) were treated in our ambulatory care unit, and thirty-three (52%) had received antibiotics previously.

were treated in our ambulatory care unit, and thirty-three (52%) had received antibiotics previously. The IgM anti-My pn was positive in nineteen (30.2%). These patients (mean age 3.3 years) were significantly older than the sero-negative group (mean age 1.8 years) (p=0.05). The seropositivity peaked in the month of september. No differences were found in radiological findings, initials symptoms, laboratory findings, nutritional state or socieconomic status. Although endemo-epidemic presentation with a peak in spring is caracteristic of My pn, it is important to note the high prevalence of pneumonias due to My pn, and the age of presentation (children younger than six years old).