Levaluation of SHALL INTESTINE FUNCTION IN INFANTS WITH 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, \*CNRC, Mouston, Fexas, USA. Mabs against enzymes of the brush border provide a new approach to evaluate intestinal lesions in severe P0. The 10 patients with P0 in whom a small bowel biopsy was performed during 1992 were evaluated by means of Mabs for lactese (L), sucrase (S), maltase (N) and aminopeptidase (A); results were compared with those of light microscopy, histochemistry for lactase, disaccharidase activities (Dalqwist) and light and severe malnurrition (MN) in 4 cases, congenitat sucrose intolerance (CSI) 1, cow's milk protein intolerance (CMI) 2, celiad disease (CD) 1, slgA deficiency 1 and cryptosporidasis (Crypt 1). The latter was the only child with a positive ethiologic study.

code	diagn	LM	เห	LH Monoclonal antibodies		dies	Dalqvist			
	•			L	S	м	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	CWI	2-3	1	2	1	3	2	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	/ slqA	1	1	1	1	1	1	1	1	1
LH and	MAbs; 1=67 -	99%; 2=34 -	66∴; 3=1 -	33.; 4=0.	LM(li	ght mi	croscopy	):1 to	4.	
Dalqvi	st: 1=>100.;	2=67 -99 ;	3=34 -66 ;	4=1 -33/;	5=0.	•				

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

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

Martin", Universidad de Buenos Aires, Argentina. 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 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 retrospectively considered perinatal data, symptoms attributable to TMN (hipotonia, asbsent/decreased reflexes, suction, facial expression, apnea/hypoventilation, and IMV requirements) use of antibiotics, response to 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 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 entiails increased neonatal morbidity. Although controversial, different maternal therapy (IVIG, steroids and/or plasmapheresis) might decreased the incidence of TNM.

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2.3 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. M-SES Destition second 26 for 100 and 50 for 100 and 100 a

	M-SES	L-	-SES	p<		
Predictor scores	36.5 ± 10.	2 39.5 ±	12.7	ทร่		
Total morbidity						
Mean nº episodes/child	d 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	d 3.3 ± 1	.5 4.4 ±	1.9	0.007		
Mean duration (days)	8.7 ± 3	.5 13.1 ±	5.9	0.0002		
Diarrheal disease						
Mean nº episodes/child	d 1.7 ± 1	.5 1.5 ±	1.2	NS		
Mean duration (days)	4.8 + 6	.0 4.3 +	3.4	NS		

Mean duration (days) 4.8  $\pm$  6.0 4.3  $\pm$  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. Sarrasqueta, A. Schwartz. Hospital Garrahan, Buenos Aires,

COST/BENEFIT RELATIONSHIP. P. Sarrasqueta, A. Schwartz. Hospital Garrahan, Buenos Aires, Argentina. There is a high frequency of low birth weight (LBW) (12,5%) and uncontrolled pregnant 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). Primary care resulted in low perinatal mortality 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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NECROTIZING ENTEROCOLITIS IN THE TERM NEWBORN INFANT.

NECROTIZING ENTEROCOLITIS IN THE TERM NEWBORN INFANT. C. Rabasa, S. Perez, M. Martinez Ferro, S. Rodriguez. Neonatología. Hospital de Pediatría "Prof.Dr.J.P. Garrahan",Buenos Aries, Argentina. Necrotizing enterocolítis (NEC) is generally associated with prematurity. However 5-25% of infants with NEC can be term newborns (TNB). Etiology is unknown and pathogenesis is considered multifactorial. This study describes possible risk factors and main issues in TNB with NEC. We retrospectively analyzed possible risk factors 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 proven NEC, 42% were in TNB with a mean birth weight of 3170 gms. Seven of them had asphyxia, 8 polycythemia, 7 had received an exchange transfusion, and 4 had heart failure. Fifteen TNB had associated pathologic conditions: 4 anno-rectal malformations, 7 congenital heart disease, and i each with meningomyelocele, toxoplasmosis and megacolon. Mean age age at diagnosis was 12 days (1-60); 60% of TNB had been previously fed. Bacteria (mostly Gram - K. Pneumoniae:3) were isolated from either blood culture and/or peritoneal fluid in 8 TNB. In 18/23 TNB treatment was surgical (drainage and/or laparotomy); 5 underwent only medical management. Overall survival was 57%. These data show that TNB with known risk factors may also develop NEC and its consequences. We conclude that in TNB with these risk factors, early diagnosis and aggressive therapy can prevent severe NEC 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. Gralde 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 sity-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%) 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).