## SOCIEDAD LATINOAMERICANA DE ENDOCRINOLOGIA PEDIATRICA

Selected Abstracts from the 5th Annual Meeting October 27–30, 1991—Viña del Mar, Chile

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ENCORINE AND ABSORPTIVE FUNCTION AFTER 95% ENVIRONMENTECTION. 6-YEAR POLLOW UP. 2 CLINICAL CASES. Asenjo S.; Gleisner A.; Wilhelm V.; Venegas G. (1); Rojas S.(2).

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Persistent hyperinsulism in the newborn (NB) entails a risk of recurrent hypoglycemia and secondary neurological damage. When performing pencreatectory, a 95% extirpation is advised to prevent recurrence of hyperinsulinism. Two female 6 year old patients are presented, submitted to 95% pencreatectory in the NB period for hyperinsulinism verified by determinations of insulin and plasma glucose and diagnosis of nesidioblastosis with components of endocrine dysplasia (Case A) and endocrine dysplasia with nesidioblastosis component (Case B). The following evaluations were done: Anthropometric (weight, size:Table NDF-ND), neurologic and endocrine function; glycomia (GLYC), insulinamia (INS), relation insulinamia ut/ml/glycemia (mm/L) (Relig) NN-6, peptide C (pepC) in fasting (0') and post-prantial (90'), test of tolerance to ozal glucose 1.75/kg (CGI) and digestive absorption study:carotenemia, d-xylosemia, and fat absorption balance (Van de Kemer test). Case A, stature 116 cm, weight 21 kg p 50 (NDFS). Case B, stature 118 cm, p 75, weight 24 kg p 90 (NDFS). Cases A and B had normal neurologic test.

ENCORINE	GLYC	INS	REL I/G	PEP C	O.G.T.	
FUNCTION	$m_1/1$	ull/ml	W≠6	ng/ml	0 - 30 - 60	- 90 - 120
CASE A:0'	5.0	3.0	0.6	0.6	76-160 - 68	-120 - 95
90'	6.4	17.1	2.7	1.6		
CASE B:0'	5.9	10.8	1.8	1.2	114-200 -207	-200 -126
901	6.2	39.7	6.4	2.4		
ABSORUTIVE FUNC.		CAROTENE moork		D-XYLOSE (VN=30%)		ABS FAUS
CASE A:		93		35%		93%
CASE B:		130		61%		94.59

In summary, in 6-year follow up, 95% pancreatectomy did not affect growth, endocrine function or the classical parameters of digestive absorption. In case B, a slight increase REL I/G was observed without clinical expression.

REPRODUCIBILITY OF GROWIH HOMONE (GH) SPONIANEOUS SECRETION AND RE SPONEE TO CLONIDINE (CLO) IN BOAS WITH CONSTITUTIONAL SHORT STRICKE ROPELATO G.; MARTLÍNEZ A.; BERGACÍÉ C.

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There is still controversy on the diagnostic adventage of measuring spontaneous GH levels over pharmacological tests in children with short stature. There are few data available to confirm the reproducibility of the responses to these tests. The aim of this study was to evaluate the variability of the GH response to pharmacological test (CLO) and during sleep in the same child. Eight prepubertal boys with constitutional growth delay were studied, mean chromological age was 10.442.50 years much bone age 7.8642.77 years and their height standard deviation score were between -2.20 to -3.41. For the GH release studies during sleep, blood samples were drawn every 20 minutes from,7:00 EM until 7:00 AM. At 7:00 AM, all patients received an oral case of 100 uy/m clonidine and blood samples were drawn at 0,30,60,90 and 120 minutes. Both tests were performed twice, separated by a week, in every child. Serum GH concentrations were measured by RIA and the 12 hours profiles were analyzed by the CHISHER program. The highest spontaneous peaks cocurred during sleep in all children. The cocurrence of the peaks was similar for each child in sleep test performed twice. These was no statistically significant difference between repeated sleep tests in either mean GH levels (first test, 4.57+1.78 ng/ml; second test, 4.37+1.73 ng/ml) or mean amplitude of the peaks (first test, 13.1+3.66 ng/ml; second test 13.9+1.78 ng/ml). GH response to clonidine test was equal or greater than 10 ng/ml in at least one occasion in seven out of eight patients.

We conclude that the GH spontaneous secretion showed good reproducibility while the clonidine test was markedly more variable. 3 SALT-WASTING CONSINTIAL AIRENAL HYPERMASIA (SMCAH) CROWIH EURING THE FIRST YEAR OF LIFE RELATED TO TREAMENT.
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SW2NI constitutes a metabolic energency of difficult diagnosis and menagement during the neutom period. We have analyzed restrospectively the data of 97 (M=33,P=64) patients with this disease treated at our Hospital in order to characterize their clinical from of presentation, laboratory, treatment and follow-up of growth during the first year of life. Their chronological age (CA) on admission was F=13.2+11.7 (by0.05). Hipprostremia was significantly lower in males than females 118+10.7 vs 125+7.0 mBp1, p=0.01. Serum potassium was similar in both sex M=7.97+1.2 vs F=7.9+1.5 mBp1. Clinical signs on admission were embiguous genitalia in 100% of girls, dehydration 52%, failure to thrive 48%, venits 45% and diarrhea 19%. During the first year of life a progressive inpairment of height was chserved (CA 0.15 years SDS=0.65+1.3, CA 0.51 years SDS=1.47+1.2, CA 1.05 SDS=1.73+1.1, p = 0.001). The time to normalize plasma sodium was significantly longer in M=58.4+39 days than F=28.9+21.9 days, p=0.056. There was a significant negative correlation between recovery of serum sodium and hipponatrenia at croset (r=0.42 p=0.01), and with SDS of height at 12 monthsit=0.28, p=0.055. Next of the patients were initially treated with parenteral corticosteroids. In approximately 75% of patients the treatment of maintenance was with cral hidrocortisone (25 mg/m /day) fluxhidrocortisone at verying times were used. The patients who received initially hidrocortisone at verying times were used. The patients who received initially hidrocortisone at verying times were used. The patients who received initially hidrocortisone at 25 mg/m /day had a better SDS of height at 12 months than those who were treated with higher dosis of hidrocortisone (-1.44+1.0 vs -2.53+1.2,p=0.002). In summary the significant growth retardation observed during the first year of life in patients with SOCM could have been due to the delay of patients to normalize the secum sodium and/or to an excess of corticoesteroids administered during the first

AUTOIMMNE THROID DISEASE (AID) IN CHILIREN AND ADCLESCINIS WITH
INSULIN-DEPENDENT DIABETES MELLIUS (IDM). Gonfeiro L.; Chiesa A.;
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A greater incidence of AID has been described in children with IDIM nevertheless the incidence is variable in different series. We studied the AID in 88 children and adolescents (56 girls, 36 boys) range between 4.6 and 20 years (XHS: 12.7+3.26 years). Serum TM, TB, TSH and/or TSH response to TMH, and antimicrossmal thyroid antibodies (AM) were measured at diagnosis or during follow up. Coiter was noted in 46%, AM in 39.7%, thyroid disfunction in 22.7%, hypothyroidism in 20.5% and hyperthyroidism in 2.3%. Hypothyroidism cocurred in 16/18 patients following the coset of IIDM whereas hyperthyroidism preceded the appearence of IIDM. A positive family history of autoimmure disease (IIDM type I or thyroid disease) was present in 23.9% of all group and in 66.6% of hypothyroids, Autoantibody titters identified subjects with thyroid dysfunction with a sensitivity of 60%, specificity of 61.6%, a positive predictive value of 38% and a negative predictive value of 91.3%. We recommend that all children and arbilescents must be screened after diagnosis of IIDM determinating TSH to identified thyroid dysfunction and testing AM to characterize the risk of future dysfunction and the need of future testing in their follow up.