FINAL HEIGHT IN GIRLS WITH PRECOCICUS FUBERIY TREATED WITH MEIROXI—
ROGESTERONE ACETRIE (MPA). Boulgourdjian E.; Martínez A.; Escobar
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The inhibitory effects of matroxiprogesterona acetate on clinical features of preoccious puberty is well known, but the effects on growth are still controversial. To determine the final heights of patients treated with MPA (150 mg every week) for a period longer than one year (X+SD 3.24+1.85 years) data from a group of 26 girls were analyzed. Chromological age at the onset of treatment was 5.84+2.05 years, bone age was 8.24+2.87 years and the height standard deviation score was 1.56+1.15. Chromological age at withdrawal of treatment was 9.45+0.79 years and bone age 12.95+1.14 years. Attained final height was 155.64-8.06 on (-1.1 SD of the normal population). In a group of 8 untreated girls with preoccious puberty the adult height was 149.2+5.07 on (-2.16 SD, p. 0.02).

In 9 patients in whom treatment was stopped at a bone age equal or below 12 years final height was 159.2+10.05 cm while in 16 girls who had a bone age over 12 years at the moreout of the withdrawal final height was 153.3+6.28 cm (0 0.05).

at the moment of the withdrawal final height was 153.3+6.28 cm (p 0.05). Our data demonstrated the effectiveness of MPA treatment on ultimate height in precocious puberty. The best height observed in those patients who stopped treatment at a bone age lower than 12 years suggests that discontinue therapy before reaching that degree of skeletal maturation may be advantageous.

TREATMENT OF HYPERINSULINEMIC HYPOCLYCEMIA (HH) DUE TO ISLET CELL DISPATURETY (TO) WITH RECOMBINANT HUPON GROWTH EDWICKE (HTCH) AND PREDISONE (PD). Schmitt Lobe M.N.; Boguszewsky M.S.; Kchara S.K.; Sandrini R. and De Lacerda L.

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ICD (included Nesidioblastosis) is not an infrequent cause of HI in infancy. Persistence and/or recurrence of prolonged hypoglycemic states may damage the ONS permenently. A prompt investigation and an agreessive therapy are mendatory in most cases. The authors report a case of a 13 months old, white, male boy, with severe hypoglycemic syndrone since the age of 11 months. Clinical manifestations were predminently neuroglycopenic with two episodes of loss of conscience. Physical examination disclosed a generalized muscle hypotomia, marked psychontor regression and paleness. Height and weight were in the 10th and 3rd percentiles respectively. Blood chemistry (including pH and gases), T4, TSH, GH, cortisol, EBG, abdiminal ultrasound and computarized tomography were mornal. Insulin and C-peptide were elevated and insulin/glucose ratios were consistently above 3. Up to the age of 23 months the patient has been hospitalized 10 times for periods of 48 hours, with intervals of 15 to 30 days between each hospitalization. During each hospitalization blood samples have been drawn every 4 hours to measure glucose, insulin, C-peptide, cortisol and GI; the dosis of the drugs adjusted accordingly. While on 0.2 IU/kg/day, sc, 2 injections (8 AM, 8 BM) of rtGI and 10 mg/m²/day (10 BM) of HD blood glucose has been always normal. Insulin levels have shown a tendency to higher values. Clinical improvement was significant and no episode of loss of conscience has been reported. Height and weight are in the 25th an 50th percentiles respectively. No orshingpid features are present.

Although the first choice drug to treat this condition has been Diazoxide, and pancreatectomy is reserved for the cases refractory to medical treatment, the association of xhOH with prednisome appears to be a promising therapy, with less

adverse reactions.

CORRELATION BEIMEN IGF-I AND SIEROID LEVELS IN THE UMBILICAL CIRD
OF TERM NORWAL NEW ECRN (NB). Osciclo MCF.;Mennicça EB.;Coarconi
SM.; Annhold I.J.P.;Bloise W.;Nicolau W.

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Paulo, Brazil.

The influence of sex homones on the IGP-I levels in puberty is well known. Some works correlate intrauterine growth with the levels of IGP-I. Our objective was to analyze the IGP-I levels, Growth Homone (GH), Insulin (I) and the level of sexual steroids, estradiol (E2), testosterone (T), androstenedione (A), dehydroepiandrosterone (DHEA) and dehydroepiandrosterone sulfate (DHEA-S) in the blood of unbillical cord in 50 momal term NB. Statistical analysis was carried out using the paired Student's t test and the correlation between homones was done by Pearson correlation.

n	SEX	WEIGHT (Kg)					T ng/dl	A ng/		DHEAS ng/dl	
31	М		48.6								3600
27	F		+1.9 47.6								
		0.3	+2.2	+0.65	+11.8	6.2	35	2.2	2,3	411	3600
P		NS	s	NS	NS	NS	NS	s	NS	NS	

We concluded that in the blood of the unbilical cord of normal newborn there is no statistical significant difference between both seves for the levels of steroid homones (except and costened inches), GH, Insulin and IGF-I; and that the IGF-I levels do not concelute with any of the parameters analyzed.

INIRKIHMOID THROGIOSSAL CYST IN CHILIREN. Fanteón E.;García H.;Torrealba I.;Téilez R.;Vildósola B.

38 In. Fictivation I. Fietles R. Filliassia S. Unidad de endocrinología Infantil. Servicio de Pediatría. Hospital Sótero del Río-Chile

The isolate thyroid notale in children may correspond to cancer, which calls for a systematic study. Differential diagnosis includes follocular or cystic adenome, teratome, adm cystic hygrome.

We present two male patients who had visible isolate thyroid nobile, both without family history of thyroid pathology. Ecography disclosed cystic nature. An exacuting purcture released an anorphous milky liquid; the cytological analysis ruled out nephasia and inflammatory process; in both cases the cyst readly reproduced to its original size. No clinical response was observed to a treatment with T4 2mg/Kg over 6 months.

	Cyst	Lobe	Punct.	Scintig.	T4	TSH	AAT
Case 1	4x2x3 cm	Left	$7\infty(2)$	cold	8.4	2.1	(-)
Case 2	3x1x2.cm	Right	$3\infty(1)$	cold	7.5	2.3	(-)

Surgery was performed, and it was demostrated that these were intrathyroidal thyroglossal cysts, confirmed by histology, which together with the fistulæ were completely removed. In case 1, lobectomy was practised, because it was not possible to separate from the thyroidal tissue; in case 2, cystectomy was performed. In both cases, the rest of the gland was normal in size, aspect and consistency. This exceptional location of the thyroglossal is discussed according to a revision of the literature.

ONENTIAL ARRIVAL INSUFFICIENCY BY RESISIANCE TO ACIH IN TWO
HEDIATRIC PRITERIS. Torrealba I.; Carcía H.; Panteón E.
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Since 1959, only a few cases have been described of congenital advenal insufficiency by isolate glucocorticoid deficiency of the familial type, in which resistance to NCIN is postulated. We present 2 cases, TNB, femles without perinatal pathology, which presented severe hypoglycenia with convulsions in the reconatal period, progressive skin pigmentation, with roomal external genitals, nomotense, and with normal electrolites during the whole evolution.

	1701P (ng/ml)	Cortisol basal	(ug/dl) post-ACUH	ARP • (ng/ml)	aldost. (ng/dl)	ACIH (ng/dl)
Case 1	0.85	2.5	2.5	0.5	16.0	78.0
Case 2	1.1	12.5	12.5	0.5	20.6	

Both cases had normal adveral ultrasound; hypoglycemia decreased readily with the cortisol treatment, and a good pondeestatural increment was observed as well as a reduction of the skin pigmentation after 30 days.

According to what has been reported in the literature, we postulate that the isolate glucocorticoid deficiency found in these two cases is due to a primary defect in the resistance to ACHI, located in the adrenal cortex, characterized by hypoplasia of the zona fasciculata and normality of the glomerulose zone. Although it is nor to frequent, this pathology must be suspected in newborns with hyperpigmentation, consulsions and hypoglycemia without mineralcocorticoid involvement, since a timely diagnosis is vital for the adequate treatment.

SERIM HALF LIFE(HL) OF ENDOSHOUS GROWIH HORMONE (GH) IN NORMAL ADULT MALES (M) AND FEMALES (F). Ciaccio M.; Chaler E.; Maceiras M.; Rivarola M.A. and Belgorosky A.

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It has been reported that the 24-hour integrated concentration of GH is higher in F than in M. These differences should be secondary to different GH production rates provided that metabolic clearances rates (MCR) were similar in the two senes. To clarify this point, GH HL was studied in 5 F and 4 M. Serum estradiol (pmol/L) was 329±103 and 31.4±29.3 and serum testosterone (mmol/L) 1.63±1.21 and 13.5±2.29 in F and M, respectively. No food was allowed since the previous night. GH secretion was stimulated with a single IV bolus of GH-RH (3 ug/Kg) followed at 30 min of a single IV bolus of 250 ug somestotatin (S). After drawing 3 basal samples every 15 min. Sempling was continued every 5 min for 90 min after GH-RH. GH HL was calculated after 5 injection when a decrease was found in at least 3 consecutive GH values. Basal GH was not significantly different in the two groups (M:1.15±0.33, F:3.97±4.91 ng/ml) but the maximal increment was lower in M than in F (19.2±6.64 an 43.8±18.6, p 2.0.65) HL was calculated assuming a monoexpirential decay. HL and MCR were not statistically different in M and F (HL:15.2±2.35 and 13.2±2.74 min; MCR:4.77±0.45 and 5.26±0.23 ml/min. Kg, respectively). It is concluded that there are no differences in GH release rate between M and F.