



INTERNATIONAL COMMUNICATION OFFICE OF PEDIATRIC ENDOCRINE SOCIETIES

www.COPESinternational.org

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Society (LWPES)

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Pediátrica (SEEP)

Sociedad Latino Americana de Endocrinología
Pediátrica (SLEP)

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NEWSLETTER

Baseline Inhibin B and Anti-Mullerian Hormone Measurements for Diagnosis of Hypogonadotropic Hypogonadism (HH) in Boys with Delayed Puberty

Régis Coutant, Estelle Biette-Demeneix, Claire Bouvattier, Natacha Bouhours-Nouet, Frédérique Gatelais, Sylvie Dufresne, Stéphanie Rouleau, and Najiba Lahlou
J Clin Endocrinol Metab 2010;95: 5225-32.

They investigated the utility of baseline inhibin B (INHB) and anti-Mullerian hormone (AMH) measurements to discriminate hypogonadotropic hypogonadism (HH) from constitutional delay of puberty (CDP). They studied 82 boys aged 14 to 18 yr with pubertal delay: 16 had IHH, 15 congenital HH within CPHD, and 51 CDP, as confirmed by follow-up. Subjects were genital stage 1 (testis volume < 3 ml; 9 IHH, 7 CPHD, and 23 CDP) or early stage 2 (testis volume 3-6 ml; 7 IHH, 8 CPHD, and 28 CDP). The result showed age and testis volume were similar in the three groups. Compared with CDP subjects, IHH and CPHD subjects had lower INHB, testosterone, FSH, and LH concentrations ($P < 0.05$), whereas AMH concentration was lower only in IHH and CPHD subjects with genital stage 1, likely reflecting a smaller pool of Sertoli cells in profound HH. In IHH and CPHD boys with genital stage 1, sensitivity and specificity were 100% for INHB concentration of 35 pg/ml or less. In IHH and CPHD boys with genital stage 2, sensitivities were 86 and 80%, whereas specificities were 92% and 88%, respectively, for an INHB concentration of 65 pg/ml or less. The performance of testosterone, AMH, FSH, and LH measurements was lower. No combination or ratio of hormones performed better than INHB alone. They conclude that discrimination of HH from CDP with baseline INHB measurement was excellent in subjects with genital stage 1 and fair in subjects with genital stage 2.






Recombinant Human GH Replacement Therapy in Children with Pseudohypoparathyroidism Type Ia: First Study on the Effect on Growth






Giovanna Mantovani, Emanuele Ferrante, Claudia Giavoli, Agnes Linglart, Marco Cappa, Mariangela Cisternino, Mohamad Maghnie, Lucia Ghizzoni, Luisa de Sanctis, Andrea G. Lania, Paolo Beck-Peccoz, and Anna Spada
J Clin Endocrinol Metab 2010;95: 5011-7.


GH deficiency in pseudohypoparathyroidism type Ia (PHP-Ia) is due to resistance to GHRH. In this study, authors investigated in eight prepubertal PHP-Ia with GHD (7 girls, 1 boy, aged 5.8-12 yr) underwent a 3-to-8 yr treatment with rhGH. Nine sex- and age-matched children with idiopathic GHD were monitored during rhGH therapy as a control group. They found that height SDS in PHP-Ia children increased from -2.4 ± 0.58 to -1.8 ± 0.47 ($p = 0.04$) after 12 months are this increase being maintained after the second (-1.6 ± 0.6) and third (-1.15 ± 0.6) year of therapy, similarly to what recorded in children with idiopathic GH deficiency. The HV and HV SDS after 3 yr maintained a significant increase from 3.5 ± 0.6 to 7.0 ± 0.9 cm/yr ($p < 0.0001$) and from -2.8 ± 0.8 to $+2.2 \pm 1.0$ ($p < 0.0001$), respectively. Six patients treated for 4-8 yr had a reduced pubertal spurt and did not improve their near-adult height, with the only exception of one patient in whom estrogen production was blocked by GnRH analogs. This is the first study on the efficacy of rhGH replacement therapy in prepubertal children with PHP-Ia and provide indication that treatment of GH deficiency should be started soon due to the rather limited time window for a potentially effective therapy.

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We are always in search of items of interest to the international community for inclusion in this newsletter and on the COPES website (www.COPESinternational.org). Contact the Coordinator or Vice Coordinator with your suggestions.

Upcoming Events

2011

FEBRUARY 10 - 12 Toronto, Canada	CPEG 2011 Scientific Meeting
MARCH 31- APRIL 2 Nairobi, Kenya	2nd ASPAE Scientific Conference and Meeting E-mail: info@aspae.org
APRIL 30 - MAY 2 Launceston Country Club, Tasmania	ESA Seminar Meeting
APRIL 30 - 3 MAY Denver, Colorado	LWPES Annual Meeting
MAY 11-13 GRANADA, SPAIN	SEEP Congress
JUNE 4- 7 Boston, USA	ENDO 2011 Email: societyservices@endo-society.org
AUGUST 28 – 31 Perth, WA	ESA/APEG 2011 Annual Scientific Meeting
AUGUST 31 – SEPTEMBER 2 Perth, WA	2011 ADS/ADEA Annual Scientific Meeting
SEPTEMBER 7-10 Hilton Hotel, Columbia	SLEP XXII Annual Meeting
SEPTEMBER 25 - 28 Glasgow, Scotland	50th ESPE Meeting
OCTOBER 6 – 8 Omiya Sonic city (Saitama), Japan	45th Annual Meeting of the JSPE
OCTOBER 19 - 22 Miami, USA	37th Annual Meeting of ISPAD Contact: Alan Delamater, PhD E-mail: adelamater@med.miami.edu
NOVEMBER 9 – 11 Mary Ward House, London	39th Meeting of The British Society for Paediatric Endocrinology and Diabetes
DECEMBER 4 – 8 Dubai, United Arab Emirates	World Diabetes Congress E-mail: YouthLeadersDubai2011@idf.org

2012

MARCH Lagos, Nigeria	3rd ASPAE Scientific Conference and Meeting
APRIL 28-MAY 1 Boston, Massachusetts	LWPES Annual Meeting
JUNE 23-26 Houston, Texas, USA	ENDO 2012 Email: societyservices@endo-society.org
SEPTEMBER 20 - 23 Leipzig, Germany	51st ESPE Meeting Email: espe@eurospe.org
SEPTEMBER 27-29 Osaka, Japan	46th Annual Meeting of the JSPE
Leeds, UK	40th Meeting of the British Society for Paediatric Endocrinology and Diabetes 2012
Bali, Indonesia	7th APPEs Biennial Scientific Meeting Email: appes@willorganise.com.au

2013

May 4-7 Washington, D.C.	LWPES Annual Meeting
JUNE 15-18 San Francisco, USA	ENDO 2013 Email: societyservices@endo-society.org
SEPTEMBER 19-22 Rome, Italy	9th ESPE/LWPES Joint Meeting Email: espe@eurospe.org

2014

May 3-6 Vancouver, Canada	LWPES Annual Meeting
JUNE 21-24 Chicago, USA	ENDO 2014 Email: societyservices@endo-society.org
SEPTEMBER 18-21 Dublin, Ireland	53rd ESPE Meeting

2015

April 25-28 San Diego, California	LWPES Annual Meeting
JUNE 20-23 San Diego, USA	ENDO 2015 Email: societyservices@endo-society.org
SEPTEMBER 9-12 Barcelona, Spain	54th ESPE Meeting

2016

April 30- May 3 Baltimore, Maryland	LWPES Annual Meeting
JUNE 4-7 Boston, USA	ENDO 2016 Email: societyservices@endo-society.org

2017

May 6-9 San Francisco, California	LWPES Annual Meeting
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2018

May 5-8 Toronto, Canada	LWPES Annual Meeting
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2019

April 27-30 Baltimore, Maryland	LWPES Annual Meeting
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2020

May 2-5 Philadelphia, Pennsylvania	LWPES Annual Meeting
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For more international events, visit www.endo-society.org/apps/Events.

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The COPES newsletter publishes information on the meetings of the affiliated societies and other meetings of interest. Reports on activities of the Affiliated Societies and information on meetings, workshops, courses, fellowships, and exchange programs, as well as selected letters and brief summaries or reviews pertaining to newsworthy items are published in the Newsletter and on the website. All contributions are welcome, so please mail or fax your correspondence to the Coordinator or Vice-Coordinator.

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