



# INTERNATIONAL COMMUNICATION OFFICE OF PEDIATRIC ENDOCRINE SOCIETIES

[www.COPESinternational.org](http://www.COPESinternational.org)

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Sociedad Española de Endocrinología  
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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  $-2.4 \pm 0.58$  to  $-1.8 \pm 0.47$  ( $p = 0.04$ ) after 12 months are this increase being maintained after the second ( $-1.6 \pm 0.6$ ) and third ( $-1.15 \pm 0.6$ ) 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  $3.5 \pm 0.6$  to  $7.0 \pm 0.9$  cm/yr ( $p < 0.0001$ ) and from  $-2.8 \pm 0.8$  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](http://www.COPESinternational.org)). Contact the Coordinator or Vice Coordinator with your suggestions.*

## Upcoming Events

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2011

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

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2012

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

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2013

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

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**2014**

<b>May 3-6</b> Vancouver, Canada	<b>LWPES Annual Meeting</b>
<b>JUNE 21-24</b> Chicago, USA	<b>ENDO 2014</b> Email: <a href="mailto:societyservices@endo-society.org">societyservices@endo-society.org</a>
<b>SEPTEMBER 18-21</b> Dublin, Ireland	<b>53rd ESPE Meeting</b>

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**2015**

<b>April 25-28</b> San Diego, California	<b>LWPES Annual Meeting</b>
<b>JUNE 20-23</b> San Diego, USA	<b>ENDO 2015</b> Email: <a href="mailto:societyservices@endo-society.org">societyservices@endo-society.org</a>
<b>SEPTEMBER 9-12</b> Barcelona, Spain	<b>54th ESPE Meeting</b>

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**2016**

<b>April 30- May 3</b> Baltimore, Maryland	<b>LWPES Annual Meeting</b>
<b>JUNE 4-7</b> Boston, USA	<b>ENDO 2016</b> Email: <a href="mailto:societyservices@endo-society.org">societyservices@endo-society.org</a>

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**2017**

<b>May 6-9</b> San Francisco, California	<b>LWPES Annual Meeting</b>
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**2018**

<b>May 5-8</b> Toronto, Canada	<b>LWPES Annual Meeting</b>
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**2019**

<b>April 27-30</b> Baltimore, Maryland	<b>LWPES Annual Meeting</b>
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**2020**

<b>May 2-5</b> Philadelphia, Pennsylvania	<b>LWPES Annual Meeting</b>
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For more international events, visit [www.endo-society.org/apps/Events](http://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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