



## POSTER PRESENTATION

## Open Access

# Test on kisspeptin levels in girls with idiopathic central precocious puberty and its significance

Yu Yang\*, Xiang-yu Xiong, Li Yang, Li-ing Xie, Hui Huang

From 8th APPEs Biennial Scientific Meeting  
Darwin, Australia. 29 October – 1 November 2014

## Aims

This paper is aimed to explore the significance of plasma kisspeptin level in diagnosis and therapeutic evaluation through the detection of kisspeptin level of girls diagnosed with idiopathic central precocious puberty (ICPP) before treatment and after 6-months of treatment and girls with simple premature thelarche (PT).

## Methods

A total of 70 girls including 24 girls diagnosed with ICPP, 21 girls with PT and 25 normal girls were enrolled. ELISA was adopted to detect plasma kisspeptin level.

## Results

The kisspeptin level of ICPP group before treatment ( $1.80 \pm 0.13 \text{ ng/ml}$ ) was higher than those of other groups with significantly statistic difference. The kisspeptin level of ICPP group after 6-months of treatment ( $1.49 \pm 0.21 \text{ ng/ml}$ ) was significantly lower than those before treatment ( $P < 0.05$ ).

## Conclusions

We can conclude that plasma kisspeptin level is related with initiation of pubertal development, and it can be served as important parameter in ICPP diagnosis and therapeutic effect evaluation.

Published: 28 April 2015

doi:10.1186/1687-9856-2015-S1-P91

Cite this article as: Yang et al.: Test on kisspeptin levels in girls with idiopathic central precocious puberty and its significance. *International Journal of Pediatric Endocrinology* 2015 **2015**(Suppl 1):P91.

Department of Endocrinology, The Children's Hospital of Jiangxi Province, Nanchang, China

### Submit your next manuscript to BioMed Central and take full advantage of:

- Convenient online submission
- Thorough peer review
- No space constraints or color figure charges
- Immediate publication on acceptance
- Inclusion in PubMed, CAS, Scopus and Google Scholar
- Research which is freely available for redistribution

Submit your manuscript at  
[www.biomedcentral.com/submit](http://www.biomedcentral.com/submit)