

Accepted Manuscript

Title: Abnormal secretion of melatonin and cortisol in relation to sleep disturbances in children with Williams syndrome

Author: Anna Maria Sniecinska-Cooper, Ray Kruse Iles, Stephen Andrew Butler, Huw Jones, Richard Bayford, Dagmara Dimitriou

PII: S1389-9457(14)00384-0
DOI: <http://dx.doi.org/doi: 10.1016/j.sleep.2014.09.003>
Reference: SLEEP 2554

To appear in: *Sleep Medicine*

Received date: 7-3-2014
Revised date: 25-8-2014
Accepted date: 1-9-2014



Please cite this article as: Anna Maria Sniecinska-Cooper, Ray Kruse Iles, Stephen Andrew Butler, Huw Jones, Richard Bayford, Dagmara Dimitriou, Abnormal secretion of melatonin and cortisol in relation to sleep disturbances in children with Williams syndrome, *Sleep Medicine* (2014), <http://dx.doi.org/doi: 10.1016/j.sleep.2014.09.003>.

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Title: Abnormal secretion of melatonin and cortisol in relation to sleep disturbances in children with Williams syndrome

Short title: Melatonin, cortisol and sleep in Williams syndrome

Anna Maria Sniecinska-Cooper, PhD^{1*} MSc, Ray Kruse Iles^{2*} PhD, Stephen Andrew Butler¹ PhD,

Huw Jones¹ PhD, Richard Bayford^{1,3} PhD, Dagmara Dimitriou,⁴ PhD

¹School of Science and Technology, Middlesex University, London, UK

²Eric Leonard Kruse Foundation for Health Research, UK

³Department of Electronic and Electrical Engineering, University College London, UK

⁴Department of Psychology and Human Development, Institute of Education University of London, UK

Corresponding author: Dr Dagmara Dimitriou: email: d.dimitriou@ioe.ac.uk

Download English Version:

<https://daneshyari.com/en/article/6060771>

Download Persian Version:

<https://daneshyari.com/article/6060771>

[Daneshyari.com](https://daneshyari.com)