



**ESPE Science symposium 2022  
7 and 8 October  
Princess Máxima Center, Utrecht , The Netherlands**

**Hypothalamic Dysfunction in Childhood;**  
**Understanding its etiology and developing new ways to improve outcome of children  
with genetic or acquired causes of hypothalamic dysfunction**

We are very happy to welcome you at the 2022 ESPE Science Symposium. In these 2 days we will discuss the etiology of genetic and acquired hypothalamic dysfunction in childhood, its consequences and new ways of management to improve outcome.

In addition, we will focus on building new networks and collaboration within ESPE and Europe, together with the patient organization and ENDO-ERN.

**Keynote lectures include:**

- The hypothalamus from an evolutionary point of view, Prof Dick Swaab, NL
- Appetite-regulating hormones in hypothalamic obesity, Dr Hoog-Wei Gan, UK
- Congenital Disorders of Hypothalamic Dysfunction associated with Hypopituitarism. Prof Dr Mehul Dattani, UK
- Endocrine disorders in Prader-Willi syndrome: a model to understand and treat hypothalamic dysfunction. M Tauber , France
- Hypothalamic syndrome in craniopharyngioma, Prof dr H Mueller , Germany
- Hypothalamic dysfunction and hypothalamicitis : A Novel Autoimmune Endocrine Disease ? F Kelestimur, Turkey
- Radiation therapy and preserving hypothalamic function; Dr G Janssens, the Netherlands
- Neurosurgical challenges in children with hypothalamic tumors , Prof Dr E Hoving, the Netherlands
- Hypothalamic dysfunction requires individualized treatment, Dr HM van Santen, the Netherlands

Preliminary program:

**Friday October 7<sup>th</sup> :**

9.00 AM Welcome

**Symposium I. The hypothalamus ; an overview**

- 9.05-9.50      Opening lecture:  
The hypothalamus from an evolutionary point of view, Prof Dick Swaab, NL
- 9.50-10.00    Questions/ discussion
- 10.00-10.20    The hypothalamus , circadian regulation and age dependent effects of  
lesioning, Dr I Machado, NL
- 10.20-10.30    Questions/ discussion
- 10.30-10.50    Appetite-regulating hormones in hypothalamic obesity, Dr Hoog-Wei Gan, UK
- 10.50-11.00    Questions/ discussion
- 11.00-11.30    Coffee break*

**Symposium II. Genetic Causes of hypothalamic dysfunction**

- 11.30-11.50    Congenital Disorders of Hypothalamic Dysfunction associated with Hypopituitarism.  
Prof Dr Mehul Dattani, UK
- 11.50-12.00    Questions/ discussion
- 12.00-12.20    Endocrine disorders in Prader-Willi syndrome: a model to understand and treat  
hypothalamic dysfunction. M Tauber , France
- 12.20-12.30    Questions/ discussion
- 12.30-14.00 Lunch break*

**Symposium III. Acquired Causes of hypothalamic dysfunction**

- 14.00-14.20    Hypothalamic syndrome in craniopharyngioma, Prof dr H Mueller , Germany
- 14.20-14.30    Questions/ discussion
- 14.30-14.50    Hypothalamic dysfunction and hypothalamitis : A Novel Autoimmune  
Endocrine Disease ? F Kelestimur, Turkey

14.50-15.00 Questions/ discussion

15.00-15.30 *Tea break*

#### **Symposium IV. Challenges in treatment of children with hypothalamic tumors**

15.30-15.50 How to identify the hypothalamus and its damage; state of the art upon imaging techniques. Dr M Lequin, The Netherlands

15.50-16.00 Questions/ discussion

16.00-16.20 Neurosurgical challenges in children with hypothalamic tumors , Prof Dr E Hoving, the Netherlands

16.20-16.30 Questions/ discussion

16.30-16.50 Radiation therapy and preserving hypothalamic function; Dr G Janssens, the Netherlands

16.50-17.00 Questions/ discussion

18.30 *Evening programme and dinner*

#### **Saturday October 8th:**

9.00 AM Welcome

#### **Symposium V. Towards improving outcome of children with hypothalamic dysfunction**

09.00-09.20 Hypothalamic dysfunction requires individualized treatment, Dr HM van Santen, the Netherlands

09.20-09.30 Questions/ discussion

09.30-09.50 Treatment of hypothalamic obesity (genetic or acquired), CLI, drugs or bariatric surgery? Dr E vd Akker, the Netherlands

09.50-10.00 Questions/ discussion

10.00-10.20 Neuro-psychological problems in children with hypothalamic dysfunction; How to assess and how to manage. Dr M Partanen, neuropsychologist, the Netherlands

10.20-10.30 Questions/ discussion

10.30-11.00 *Coffee break*

#### **Symposium VI. Networking and registries for rare hypothalamic disease**

11.00-11.20 ENDO-ERN; Rare Hypothalamic Disease.

Prof Nienke Biermasz, chair MTG6

11.20-11.30 Questions/ discussion

11.30-11.50 Hypothalamic dysfunction; What do the patients need?  
J de Graaf , ePAG representative ENDO-ERN, MTG6

11.50-12.00 Questions/ discussion

12.00-12.30 Panel discussion: collaborative prospective studies; how to move forward  
*All.*

*12.30 Closure*

*12.30-13.30 Lunch and fare-wells*