

FRIDAY 31 OCTOBER 2014

*Morning session*

08:30 - Welcome: Introduction and aim Corstiaan Breugem

**A. Diagnosis: Part 1 (Chair: Howard Saal/ Arnaud Picard)**

08:40 – Embryological aspects Geoffrey Sperber  
*Current understanding of embryology of the face with special reference to mandible and velopharyngeal musculature*

08:55 – Current etiological overview Peter Farlie  
*Summary of current developmental and genetic perspectives*

09:10- Pathogenetic approach Raoul Hennekam  
*Mechanisms: malformations vs dysostosis vs sequence*

09:25 - Literature review on current definitions Marie-José van den Boogaard  
*Summary of and consensus on current definitions*

09:35 - Defining **micrognathia** Marvick Muradin  
*How can we objectively describe the size of a mandible?*

09:45 - Mandibular outgrowth controversy Sunjay Suri  
*Summary of controversies and misunderstandings with regard to outgrowth of mandible in Robin sequence*

09:55 - Discussion

10:25 - Defining **glossoptosis** Jyotsna Murthy  
*How can we describe the glossoptosis encountered in Robin sequence?*

10:35 - Discussion

**10:50 – 11.10 Coffee**

**A. Diagnosis: Part 2 (Chair: Christian Poets/ Veronique Abadie / Sunjay Suri)**

11:10 - Defining **breathing problems (OSAS)** Koen Joosten  
*Objective description of obstructive sleep apnea syndrome in Robin sequence*

11:20 - Discussion

11:50 - **Feeding problems** Kelly Evans  
*Describing feeding problems*

12:00 - Discussion

12:20 - ***Cleft palate***

*Describing the cleft palate*

12:30 - Discussion

Mikihiko Kogo

**12:45-13:45: Lunch**

*Afternoon session*

**B. Treatment (Chair: Paul Hong/ Rona Slator/Lucienne Speleman)**

13:45 - Necessary ***special investigations***

*What investigations are ideal?*

14:00 - Discussion

Christian Poets

14:40 - ***Nasopharyngeal airway*** as a treatment option

*Advantages and disadvantages?*

14:50 - Discussion

Rona Slator

15:05 - ***Mandibular distraction*** as a treatment option

*Advantages and disadvantages?*

15:15 - Discussion

Robert Havlik

15:30 - ***Tracheostomy*** as a treatment option

*Advantages and disadvantages?*

15:40 - Discussion

Paul Hong

**15:55 - 16:15 Coffee**

16:15 - ***Tongue-lip adhesion*** as a treatment option

*Advantages and disadvantages?*

16:25 - Discussion

Peter Don Griot

16:40 - ***CPAP*** as a treatment option

*Advantages and disadvantages?*

16:50 - Discussion

Brigitte Fauroux

17:00 - ***Palatal Plate therapy*** as a treatment option

*Advantages and disadvantages?*

Margit Bacher

17:10 - Discussion

**17:20 – 18:30: Summary of morning session (Chair: Veronique Abadie, Corstiaan Breugem, Raoul Hennekam)**

**“Plenary Discussion on defining Robin sequence”**

19:30 Dinner

SATURDAY 1 NOVEMBER 2014

**C. Treatment algorithms (Marvick Muradin/ Jyotsna Murthy/Charles Filip)**

09:00 Consequences of CO<sub>2</sub> retention and hypoxemia in young children  
Petra Lemmers

*Algorithms in opting management strategies from 3 hospitals*

09:20 - 1. Seattle (Kelly Evans)

09:30 - 2. Birmingham (Rona Slator)

09:40 - 3. Cincinnati (Howard Saal)

09:50 Discussion

**10:40 – 11:00 Coffee**

**D. Long-term outcome (Chair: Kelly Evans / Marie-José van den Boogaard)**

11:00 - Cognition

*Long term outcome of cognitive function*

11:15 - Discussion

Veronique Abadie

11:25 - Speech and VPI

*Long term outcome of speech*

Charles Filip

11:40 - Discussion

11:50 - Teeth

*Teeth anomalies and dental development in Robin sequence*

Els-Marie Andersson

12:05 - Discussion

### **12:15 – 13:15 Lunch**

13:15 - Genetic analyses

*What genetic analysis is mandatory in children with Robin sequence?*

Chris Gordon

13:30 - Discussion

### **E. Open Papers (Chair: (Els-Marie-Andersson, Peter don Griot, Robert Havlik)**

13:45-15:00 - Open session papers

15:00 – 15:30 Coffee

**15:30-16:00 Discussion (Chair: Kelly Evans, Howard Saal, Marie-Paul Vazquez)**

**16:00 Closing remarks**

**Corstiaan Breugem**

#### Faculty:

Veronique Abadie (Pediatrics, Paris, France)  
Els-Marie Andersson, (Orthodontics, Oslo, Norway)  
Marie-José Van den Boogaard (Clinical Genetics, Utrecht, The Netherlands)  
Margit Bacher (Orthodontics, Tuebingen, Germany)  
Corstiaan Breugem (Plastic Surgery, Utrecht, The Netherlands)  
Peter Don Griot (Plastic Surgeon, Amsterdam, The Netherlands)  
Kelly Evans (Pediatrics, Seattle, United States)  
Peter Farlie, (Research Institute, Melbourne, Australia)  
Brigitte Faroux (Pediatrics, Paris, France)  
Charles Filip, (Plastic Surgeon, Oslo, Norway)  
Chris Gordon (Clinical Genetics, Paris, France)  
Gijs van Haften (Molecular Biology, Utrecht, The Netherlands)  
Robert Havlik (Plastic Surgeon, Indianapolis, USA)  
Sarah Haverkamp (Speech- and language pathology, Utrecht, The Netherlands)  
Raoul Hennekam (Pediatrics Translat. Genetics, Academic Medical Center, Amsterdam, The Netherlands)  
Paul Hong (Ear-Nose and Throat Surgeon, Halifax, Canada)  
Koen Jooste (Pediatrics, Rotterdam, The Netherlands)  
Mikihiko Kogo (Maxillofacial Surgery, Osaka, Japan)  
Petra Lemmers, (Pediatrics, Utrecht, The Netherlands)  
Marvick Muradin, (Maxillofacial surgery, Utrecht, The Netherlands)  
Jyotnsa Murthy (Plastic surgery, Chennai, India).  
Christian Poets, (Pediatrics, Tuebingen, Germany),

Howard Saal (Clinical Genetics, Cincinnati, USA)  
Rona Slator (Plastic Surgery, Birmingham, United Kingdom)  
Geoffrey Sperber, (Faculty of Medicine & Dentistry, Edmonton, Canada)  
Sunjay Suri (Orthodontics, Sick Kids, Toronto, Canada)  
Henriette Swanenburg de Veye (psychology, Utrecht, the Netherlands)  
Marie-Paule Vazquez (Plastic Surgery, Paris, France)