

UCT PAEDIATRIC REFRESHER COURSE 14 - 18 FEBRUARY 2022

Saving Brains, Optimizing Growth and Unlocking the Developmental Potential of Children

SCIENTIFIC PROGRAMME

MONDAY 14 FEBRUARY 2022 - PAEDIATRIC EPILEPSY TRAINING COURSE 1 (RED CROSS WAR MEMORIAL CHILDREN'S HOSPITAL)

- 08:30 - 09:00 Registration with tea and coffee
- 9:00 – 11:30 Session 1: History and differential diagnoses
- 09:00 - 09:30 Introduction, quiz & opening questions
- 09:30 - 10:00 Taking the history
- 10:00 - 10:45 Fits, faints and funny turns
- 10:45 - 11:05 Faints
- 11:05 - 11:30 Febrile seizures

11:30 – 11:45 Tea and coffee break

- 11:45 – 13:15 Session 2: Seizures and syndromes
- 11:45 - 12:05 Epileptic seizures and epilepsies
- 12:05 - 12:25 The EEG
- 12:25 - 12:45 Neuroimaging
- 12:45 - 13:15 Epilepsy syndromes

13:15 – 14:00 Lunch

- 14:00 - 15:30 Session 3: Acute management and risks
- 14:00 - 14:30 Epilepsy and risks
- 14:30 - 15:00 Acute presentations
- 15:00 - 15:30 Comprehensive care

15:30 – 15:45 Tea and coffee break

- 15:45 -17:15 Session 4: Treatment and co-morbidities
- 15:45 - 16:15 Medical treatment of childhood epilepsies
- 16:15 - 16:45 Epilepsy, learning and behaviour

TUESDAY 15 FEBRUARY 2022 - DIABETES WORKSHOP(THE VINEYARD)

- Registration
- Welcome and introduction
- Insulin**
- Principles of Insulin Therapy
- Types of Insulin
- Factors that affect insulin absorption
- Management of hypo and hyper glycaemia
- Insulin and illness
- Insulin and exercise

BREAK**Insulin administration**

Devices used to deliver insulin

Injection sites

Injection technique

Preventing lipohypertrophy

Nutrition in T1DM

Basic Nutrition in T1DM and Introduction to Carbohydrate counting

LUNCH**Diabetes Technology**

Introduction to Flash Glucose Monitoring

Introduction to Continuous Glucose Monitoring

Introduction to insulin Pump therapy

Hands on Session with CGMs and Insulin Pumps

WEDNESDAY 16 FEBRUARY 2022

07:00 - 08:00 Registration

08:00 - 08:20

08.20-08.30 Welcome and opening of RC

Prof Rudzani Muloiwa

08:30 - 10:00 SESSION 1: PLENARY

Chair:

08:30 - 09:15 Neurology plenary 1: Epilepsy - what's new and when to refer

Prof Stephane Auvin - Institut Universitaire de France (IUF), Paris, France

09:15 - 10:00 Endocrine plenary 1: Artificial Intelligence based decision support system for managing Diabetes

Prof Moshe Phillip -Tel Aviv University, Israel-Online

10h00 - 10h30 REFRESHMENTS**10:30 - 12:30 SESSION 2: NEUROLOGY - EPILEPSY FOCUS**

Chair:

10:30 - 10:55 Neonatal seizures - new classification and update on treatment

Prof Jo Wilmshurst

10:55 - 11:20 How to manage children with epilepsy and neurobehavioural co-morbidities

Dr Gill Riordan

11:20 - 11:45 EEG - how can it help you?

Ms Veena Kander

11:45 - 12:10 Epilepsy genetics - what is all the fuss about?

Dr Alina Esterhuizen

12.10 - 12.30 Epilepsy surgery - what is the role for children

Dr Nico Enslin

12:30 - 13:30 LUNCH**13:30 - 15:30 SESSION 3: COMBO NEUROLOGY AND ENDOCRINE**

Chair:

13:30 - 13:55 Movement disorders - video and explanation

Dr Alvin Ndong

13:45 - 14:15

14:15 - 14:45 Type 1 Diabetes Mellitus and Behaviour in Children and Adolescents

Rosemary Flynn

14:45 - 15:15 Bone health in neurological disorders

Prof K Thandaryen-University of Witwatersrand)

15:15 - 15:45 REFRESHMENTS**15:45 - 17:15 SESSION 4: Endocrine Theme: Inborn Errors of Metabolism**

Chair:

15:45 - 16:15 Red flags that elude to the diagnosis of IEMs

Dr S Grunewald, Great Ormond Street Hospital for Children-Online

16:15 - 16:45 Treatable IEMs

Dr James Davison , Great Ormond Street Hospital for Children-Online

16:45 - 17:15 Newborn screening for IEMs

Prof George vd Watt

17:15 - 18:45 **NOVO NORDISK SPONSORED COCKTAIL SYMPOSIUM - Diabetes and paediatric management**

VENUE: Camphor

THURSDAY 17 FEBRUARY 2022

07:15 - 08:15 **NOVO NORDISK SPONSORED BREAKFAST SYMPOSIUM - Weight Management for the Next Generation** VENU: Camphor

08:30 - 10:00 **SESSION 5: PLENARY**

Chair:

08:30 - 09:15 Endocrine plenary 2: The Enigma of Childhood Obesity

09:15 - 10:00 Neurology plenary 2: neuroCOVID - direct neuroimpact, complications in neurology patients and impact on neurology health care

Prof Jo Wilmshurst

10:00 - 10:30 **REFRESHMENTS**

10:30 - 12:30 **SESSION 6: Endocrine. Theme : Growth**

Chair:

10:30 - 11:00 Growth Hormone deficiency in Children

Dr Meliswa Ndamase

11:00 - 11:30 Other indications for Growth Hormone Therapy in Children

Dr Lindsey Levin

11:30 - 12:00 Precocious puberty -An update

Dr Ewurra Manu

12:00 - 12:30 An approach to a child with delayed puberty

Dr Steve Delport

12:30 - 13:30 **SANOFI LUNCH SYMPOSIUM - Prof Rudzani Muloiwa – Routine Immunization**

13:30 - 15:00 **SESSION 7: COMBO NEUROLOGY AND ENDRONE - WHAT WOULD YOU DO**

Chair:

13:30 - 14:00 When a child on Antiepileptic drugs has abnormal thyroid function tests

Dr Danelle vd Merwe

14:00 - 14:30 When a child on Neuro-Psychotropic drugs has high prolactin levels

Dr Amith Ramcharan

14:30 - 15:00 When a child who has Neurological disease has abnormal sodium levels

Dr Ariane Spitaels

15:00 - 15:30 **REFRESHMENTS**

15:30 - 17:00 **SESSION 8: Neurology**

Chair:

15:30 - 16:00 Update on stroke in children

Dr Alvin Ndong

16:00 - 16:30 Update on TSC in children

Dr Birgit Schlegel /Dr Marie Wessels

16:30 - 17:00 Update on treatable autoimmune/ neuroimmunological conditions

Dr Alvin Ndong

19h00 Speakers' Dinner (by invitation only). Free evening for all other delegates

FRIDAY 18 FEBRUARY 2022

LILLY SPONSORED BREAKFAST SYMPOSIUM

07:15 - 08:15 **Tailoring Insulins to Patient's Needs** Dr Michelle Carrihill

08:30 - 10:00 **SESSION 9: PLENARY**

Chair:

08:30 - 09:15 Neurology plenary 3: The paediatricians survival guide to fetal neurology

Prof Tally Sagie - Tel Aviv University, Israel

09:15 - 10:00 Endocrine plenary 3: The Emergence of Type 2 Diabetes Mellitus in Children and Adolescents

10:00 - 10:30 **REFRESHMENTS**

10:30 - 12:45 **SESSION 10: ETHICS**

Chair:

10:30 - 11:00 Valproate in children with epilepsy: to use or not to use?
11:00 - 11:30 Neuromuscular diseases and pharmacogenetics: are they really the cure?
11:30 - 12:00 How to give best support in the setting of end of life issues for children with neurological and metabolic disorders
12:00 - 12:30 Ethical considerations in the manipulation of puberty in children with disability
12:30 - 12:45 Closing, thanks and next years course

Prof Jo Wilmshurst
Dr Sharika Raga
Dr Michelle Meiring / Dr Tracy Nupen
Dr Michelle Carrihill
Prof Rudzani Muloiwa