

DYSFUNCTIONAL AIRWAYS IN CHILDREN:

PATHOPHYSIOLOGY AND DIAGNOSTIC CHALLENGES

Presented by myofocuseducation.com in collaboration with Dr. Umakanth Katwa M.D.

Poor sleep is one of the major health crises of our time, particularly for growing children. Many doctors are now understanding this along with its relationship to ADHD, and other behavioural challenges. However, many sleep doctors, dentists and allied health professionals working in the field are still stuck in the paradigm of diagnosis based on Apnoea Hypopnea Indices and other measurements which when used alone are relatively meaningless.

We invite you to update your knowledge and learn with us a better way to go about assessment, diagnosis and treatment of paediatric sleep disordered breathing.

WHAT YOU WILL LEARN:

1 Causes and effects of airway dysfunction. Biochemical, physiological, mechanical, and structural factors to consider.

» **Dr. Dan Hanson**

*Breathing and its function in homeostasis.
Breath holds, snoring and breathing dysfunction*

2 Clinical diagnosis of paediatric sleep disordered breathing (SDB). Clinical observations and assessment: What, why and how.

» **Dr. Donny Mandrawa**

(Clinical phenotypes: Myofunctional, tethered tissue, structural)

3 Challenges with diagnostic testing of childhood SDB. Advanced interpretation of sleep studies in children. Metrics beyond AHI.

» **Dr. Umakanth Katwa**

- *Diagnostic tests: how to use and limitations*
- *Interpretation of sleep studies: interpreting data and meanings*
- *Polysomnography phenotypes*
- *Clinical and long-term consequences of SDB*
- *Breathing during sleep: Mouth breathing, snoring, hyperventilation, gases, Heart Rate Variability*
- *Overview of modern precision medicine*

4 Q&A, panel discussion, participants may share PSG and records to discuss. Records must be sent prior to the live event by sending relevant documents by email to courses@myofocus.com.au.

Dr. Katwa is an Attending Physician of the Boston Children's Hospital, Division of Medicine; Director, Sleep Laboratories; Director, Primary Ciliary Dyskinesia Program and Instructor of Paediatrics, Harvard Medical School.

MyofocusEducation.Com was set up by Dr. Dan Hanson and Dr. Donny Mandrawa, to deliver high quality Airway, and Myofunctional Education to all health professionals with an intention to promote an inter-disciplinary approach to paediatric functional airway health.

WHO WILL BE PRESENTING?



Dr. Donny Mandrawa
Dentist



Dr. Umakanth Katwa
Paediatric Sleep Specialist



Dr. Dan Hanson
Dentist & Buteyko practitioner

WHEN:

BOSTON:
5pm EST
Sat, Jan 22nd 2022

MELBOURNE:
9am AEDT
Sun, Jan 23rd 2022

WHERE:

Online Zoom Meeting

FEES:

\$495_{AUD} incl GST
(approx \$360_{USD})

DURATION:

6 hours of lecture material. Schedule of the day will be advised closer to the date.

This is not to be missed. **Dr. Katwa** is a wealth of knowledge and will be filling in many knowledge gaps which currently exist in the world of sleep medicine. Spaces are limited to 100 people to enable the Q and A to be useful for all in attendance.

Attendance at this event is a prerequisite for a follow up course planned for 2022.

This course will go deeper into interpretation of sleep studies and sleep physiology.

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