

# Kyle VanDyke, MD

## Hyperbaric medicine for pediatric indications: Common protocols

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### **About the lecture:**

In this lecture Dr Van Dyke will discuss how hyperbarics has been used in pediatric patients. Protocols for treating autism will be reviewed and he will also discuss the use of hyperbarics for cerebral palsy, ischemic injuries, seizure disorders, gastrointestinal disorders, allergic disorders and mitochondrial diseases. The literature regarding these treatments will be discussed and case studies will be reviewed. Dr. Van Dyke will also discuss the mechanisms of how hyperbarics may be working in these patients with an emphasis on hyperbaric's effects on mitochondria. Practical issues such as clearance for hyperbarics, common side effects, and follow up therapy will be discussed.

### **About Dr. VanDyke:**

Dr. Kyle Van Dyke MD is a board certified family physician who became involved in autism when his son Ryan was diagnosed in 2004. He graduated from the University of Chicago Pritzker School of Medicine and did his residency at the University of Virginia. He has worked with Dr. Elizabeth Mumper (Medical Director of DAN!) at the Advocates for Children Clinic (now the Rimland Center) since September 2005. He has special interest in GI issues, diet, HBOT, mitochondrial dysfunction and treating medical problems of family members of affected children. He has also completed The Institute for Functional Medicine's clinician training course, applying similar principles used in treating autism to complex chronic conditions in adults.

Dr. Kyle Van Dyke focuses on treating children with special needs and their family members; approaching each person as an individual, not as a label. Dr. Van Dyke listens and fully understands the importance of parent/patient insight and direction. A team approach toward each patients' journey is emphasized. The parent, child, and doctor form the core team. Dr. Van Dyke bases his approach on scientifically sound biochemical processes. Dr. Van Dyke is the kind of doctor that will make you feel comfortable enough to discuss all issues and concerns while motivating you to continue to seek answers and progress.

### **Learning Objectives:**

*At the conclusion of this lecture, attendees should be able to*

1. Utilize the pediatric protocols for medical conditions that may benefit from hyperbaric therapy.
2. Summarize HBOT's effects on mitochondria.
3. Utilize the procedures on how to clear patients for hyperbaric therapy.
4. Identify common side effects and follow up.

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