



# Frequently Asked Questions

## NeuroDevelopment FAQ For Families

### Q. What will the NeuroCodeX® Brain Map and Cognitive Analysis show?

- A. NeuroCodex® will help answer if the brain has developed appropriately and more importantly, if not, where the deficits are and how it can be remediated or developed. More specifically, important questions can be answered:
- What areas of the brain have matured age appropriate? Which areas have not?
  - The brain map and full assessment offer specific guidance to treatment plans by defining which areas of the brain need to be targeted.
  - The NeuroCodeX® brain map and analysis aids in the proper selection of developmental exercises and activities.

### Q. What does NeuroCodeX® tell us about the child's behavior?

- A. NeuroCodeX® looks at the interactions of the different brain systems and how those interchanges may affect behavioral expressions and maturity. It is not unusual to find a child who may be 5 years – 8 years - or even 16 years old exhibit an emotional regulation system that is 3 to 8 years delayed. This is often expressed as immaturity and/or inappropriate behaviors and social interactions.

### Q. Does it show if the brain has been compromised? Will it show the effects of specific issues such as ADD/ADHD, Learning Disabilities and Autism Spectrum Disorders?

- A. The NeuroCodeX® analysis does show effects of these issues on the brain's ability to process information, self-regulate, exercise self-control, perceptions, decision-making abilities, and judgment. As far as showing results of specific developmental issues, some electrical brain signatures are consistent with specific brain signatures (such as ADD), but in general, developmental brain maturation goes beyond the labels often used for disabilities. The brain measurements show differences in age appropriate emotional dysregulation, impulsivity, learning and memory issues, or health issues. In general, we see processing dysfunctions that affect personalities, decision-making, impulse control, information retention, self-regulation, and memory.

### Q. Why does my child need NeuroCoach® Development Program?

- A. NeuroCoach®, based on the NeuroCodeX® analysis allows the child to gain the greatest potential for full brain and cognitive development. It also ensures the child will gain the most therapeutic value within the facility's program. The NeuroCoach® NeuroDevelopment program is one of the few developmental programs that focuses on cognition and/or age appropriate thinking abilities. Unlike speech, occupational therapy, physical therapy or behavioral therapy that concentrate on only one area of a deficit, this program integrates all aspects of brain dysfunction and focuses on mature thinking.

### Q. What results can be expected?

- A. The program's goal is to help the individual's brain catch up with an age appropriate developmental time line. Positive results are seen in improved behaviors, greater resiliency under stress, self-regulation, thinking abilities, decision making, memory, recall, improved impulsivity, better grades and an increase in IQ (average of 15 or greater points in IQ after 20+ sessions).

### Q. Is this an evidence-based technology?

- A. Yes, NeuroCodeX® and NeuroCoach® are evidence based. All instruments have been properly psychometrically developed and accepted as evidence-based measures. Many were developed by the National Institute of Health (NIH), New York University Brain Research Lab, or are FDA approved. None of the measures are experimental. Effective applications of these tools, methods, and techniques have been peer-reviewed and proven with multiple target populations, including AD/HD, memory, learning disabilities, ASD, anxiety and depression.