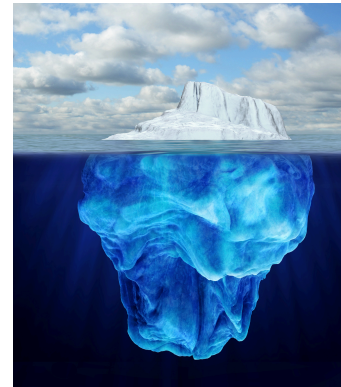


## Understanding Processing Deficits in Neurodevelopmental Disorders: Concepts & Strategies for Counseling Professionals

Nicole M. Beurkens, PhD  
Licensed Psychologist



### Neurodevelopmental Disorders

- ADHD
- ASD
- Learning Disorders
- Cognitive Impairments
- Seizure Disorders
- Cerebral Palsy
- Sensory Processing Disorders



- Auditory Processing Disorder
- Tic Disorders
- Social Pragmatic Communication Disorder
- Childhood mood and behavior disorders
- More...

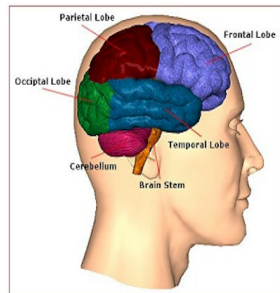
On the Rise

### It's All About **CONNECTIVITY**

- Under connectivity
- Over connectivity
- Inefficient connectivity

## The Human Brain

- Frontal Lobe
- Sensory Cortex
- Cerebellum
- Limbic System
- Corpus Callosum
- Brain Stem
- Parietal Lobe
- Occipital Lobe



## Efficient Vs. Inefficient Connectivity



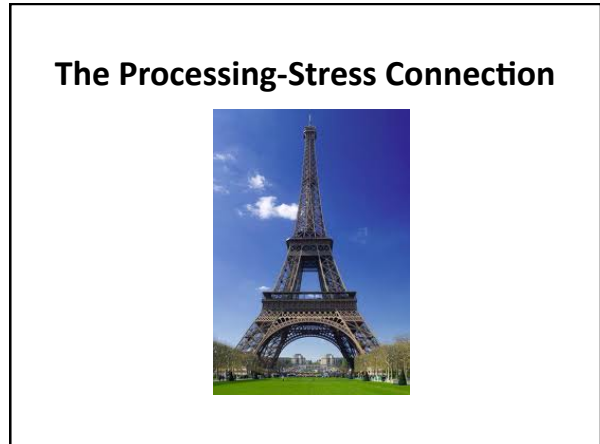
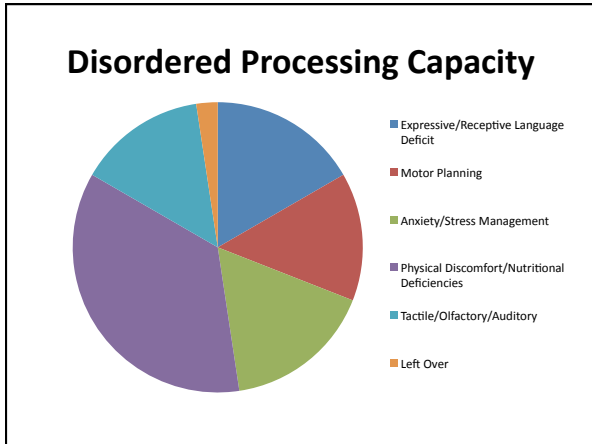
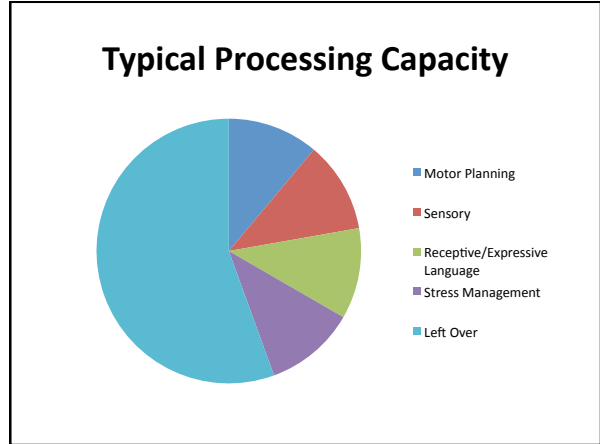
## Processing in a Nutshell

1. Take In
2. Make Meaning
3. Do Something



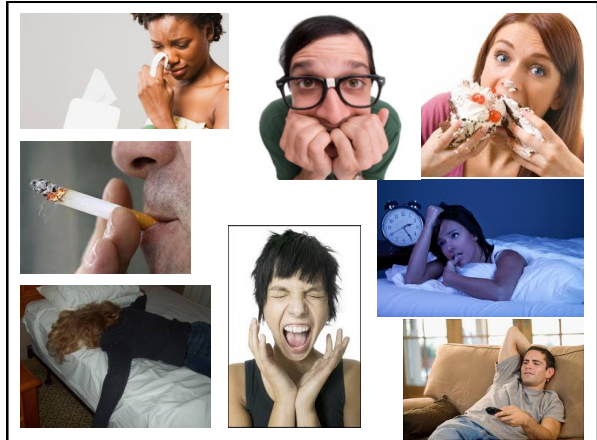
## Types of Information

- |                  |              |
|------------------|--------------|
| • Auditory       | • Vestibular |
| • Visual         | • Relational |
| • Tactile        | • Language   |
| • Gustatory      | • Contextual |
| • Olfactory      | • Emotional  |
| • Proprioceptive | • Motor      |



## Information Overwhelm

1. Too much coming in
2. Can't make sense of it
3. Stress response



## “Behaviors” = Coping Mechanisms

- Rigid/Inflexible
- Controlling
- Sensory Seeking/Avoiding
- Stimming
- Scripting
- Refusal
- Aggression
- Passivity (Tuning Out)

## How full is the glass?



### Key Strategies

- Speak Less
- Slow Down
- Simplify
- Stay Calm
- Screen for Health Issues
- Support the Family



### More Strategies & Support

Text REPORT to  
224-301-2003

### Implementation



### Contact Information

Nicole Beurkens, PhD  
Horizons Developmental Resource Center  
3120 68<sup>th</sup> Street, SE Caledonia, MI 49316  
(616) 698-0306 DrBeurkens@HorizonsDRC.com

FREE Resources Available Online:

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