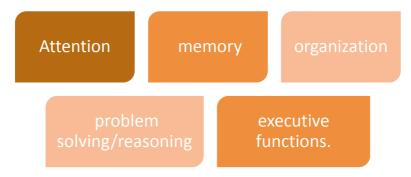


Cognitive Impairment

What is Cognition?

Difficulty with any aspect of communication that is affected by disruption of cognition.

Some examples of cognitive processes include:



- Problems in these areas can affect verbal and nonverbal communication. For instance, speaking, listening, reading, writing, and pragmatic (social interaction) skills may be affected negatively.
- Problems with cognitive-communication can affect activities of daily living, and academic and work performance

Who can be affected?

Children or adults who have experienced:

- Congenital diseases and syndromes.
- Traumatic brain injury.
- Genetic disorders.
- Low oxygen levels at birth.
- Brain tumors.

Who Can Help?

Visit your local Speech-Language Pathologist to help you in identifying, assessing, intervening, and counselling. Allowing with providing collaborative team work with other disciplinarians (e.g. teachers) for the benefit of the individual.

Effect on Behavior and Language:

Aspect of Cognition: Attention

Effect on Behavior

- Short attention span; distractible.
- Weak concentration

Effect on Language

- Decreased auditory comprehension.
- Confused/inappropriate language.
- Poor topic maintenance

Aspect of Cognition: Perception interpreting sensory information

- Field neglect.
- Poor visual/auditory judgment.

- Spatial disorganization.
- Impaired focus.

- Reading difficulty.
- Writing difficulty.
- Poor comprehension of facial/intonation cues.

Aspect of Cognition: Memory and Learning;

- Encoding: recognizing, interpreting and formulating information.
- Storage: retaining information over time.
- Retrieval: transfer of information from longterm memory to consciousness

- Memory problems.
- Inability or inefficiency in learning new material

Problems in:

Following multi-step directions.

Reading/spelling comprehension

Math

- Word finding problems.
- Poor integration of new/old information.
- Fragmented language.
- Impaired logic.

Aspect of Cognition: Organizing Process;

- Disorganization of tasks/time.
- Difficulty setting/maintaining goals.
- Poor problem solving.
- Poor self-direction, self-confidence, and social judgment

- Disorganized verbal communication/writing.
- Difficulty expressing ideas.
- Poor conversation skills.

Aspect of Cognition: Reasoning;

Ability of the mind to think and understand things in a logic way and use of past experience.

Effect on Behavior

- Easily swayed; impulsive.
- Vulnerable to propaganda.
- Problems with understanding consequences of behaviors.

Effect on Language

Troubles in understanding/expressing (Abstract concepts)

- Humor, academic subjects, and complex conversations
- Impaired pragmatic skills

Aspect of Cognition: Problem Solving and Judgment;

- Identifying goals:
 - Identifying relevant information.
 - Selecting solutions.
 - Judgment: prediction of consequences and acting appropriately

- Impulsive; uses trial and error approach.
- Hardness in predicting consequences.
- Shallow reasoning.
- Poor (Safety, Use of compensatory strategies)

- Difficulties in:
 - higher academic tasks understanding behaviors
- Socially inappropriate behavior.



إدارة التثقيف الصحى

Communication and Swallowing Disorders Dept.



You

Kinchiyat

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