

AAC-RERC



SPREAD THE WORD

What is a contextually relevant scene?

Funded by the AAC-RERC,
NIDRR, USDE

Collaborative Team

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Visual Scene Displays

- What are Visual Scene Displays?
- Who benefits from them?
- When and where are they useful?
- How do you make them?
- Why do they help?

Fundamental Challenges in Aphasia Intervention

- Not everyone with aphasia regains sufficient skills to become a functional speaker
- The “Multiple Multiples” Challenge
 - Multiple people
 - Multiple topics
 - Multiple situations
- Aphasia intervention philosophies
 - Restorative approaches
 - Compensatory approaches
 - Combined approaches

Rationale for Using Visual Scene Displays

- Make use of preserved skills of people with chronic aphasia
 - Visual-spatial processing
 - Retention of information about life experiences
 - Retention of general world knowledge

Contextually-Rich Visual Images

- Provide a way to represent meaning
- Support navigation within an AAC system
- Serve as a platform for co-constructing messages
- Establish a shared communication space
- Allow for integration with other types of communication supports

Definition of Contextually-Rich Images

Pictures, photographs, or images that represent situations, places, or experiences by depicting people or objects in relation to one another, the natural environment, and the central action of a scene

- Do not require inferences or verbalizations by a person with aphasia or a communication partner
- Contrast with portraits and iconic symbols that contain limited, usually decontextualized, information
 - Holistic framework
 - Convey the “gist” of a situation or event
 - Provide support for conversational exchanges

Evaluating Images for Contextual Richness

Four criteria:

- Environmental context (setting, people, objects, and activities)
- Interaction with people or the environment
- Personal relevancy
- Clarity regarding elements key to the implied relationships

Rating Scales

Environment

High Medium Low Absent

Interaction

High Medium Low Absent

Personal relevance

High Medium Low Absent

Clarity

High Medium Low Absent

Environment: High

Interaction: High

Personal relevance: High

Clarity: High

Comment: Satisfies all the elements for being a good contextually-rich picture to support a story





Environment: Absent

Interaction: Absent

Personal relevance: High

Clarity: High

Comment: Typical portrait that does not convey any contextual or interaction information



Environment: Absent

Interaction: Absent

Personal relevance: Absent

Clarity: High

Comment: Only serves to identify an object; typical of pictures available in stimulus sets

Environment: High

Interaction: High

Personal relevance: High

Clarity: Low

Comment: View is too distant to provide sufficient detail to support a conversation



Environment: Absent

Interaction: Low

Personal relevance: High

Clarity: High

Comment: More contextual richness and interaction are necessary to communicate a story; typical of pictures supplied by families





Environment: Medium

Interaction: High

Personal relevance: High

Clarity: High

Comment: Good picture for communicating about a favorite activity



Environment: High

Interaction: Medium

Personal relevance: High

Clarity: High

Comment: Could be a good signature photo for communicating a story about golfing with a grandchild



Environment: Medium or High

Interaction: Absent

Personal relevance: High

Clarity: Low

Comment: Serves only to identify a location or specific objects in a room

Environment: High
Interaction: High

Personal relevance: High

Clarity: High

Comment: Good picture to communicate a story about a child's birthday party





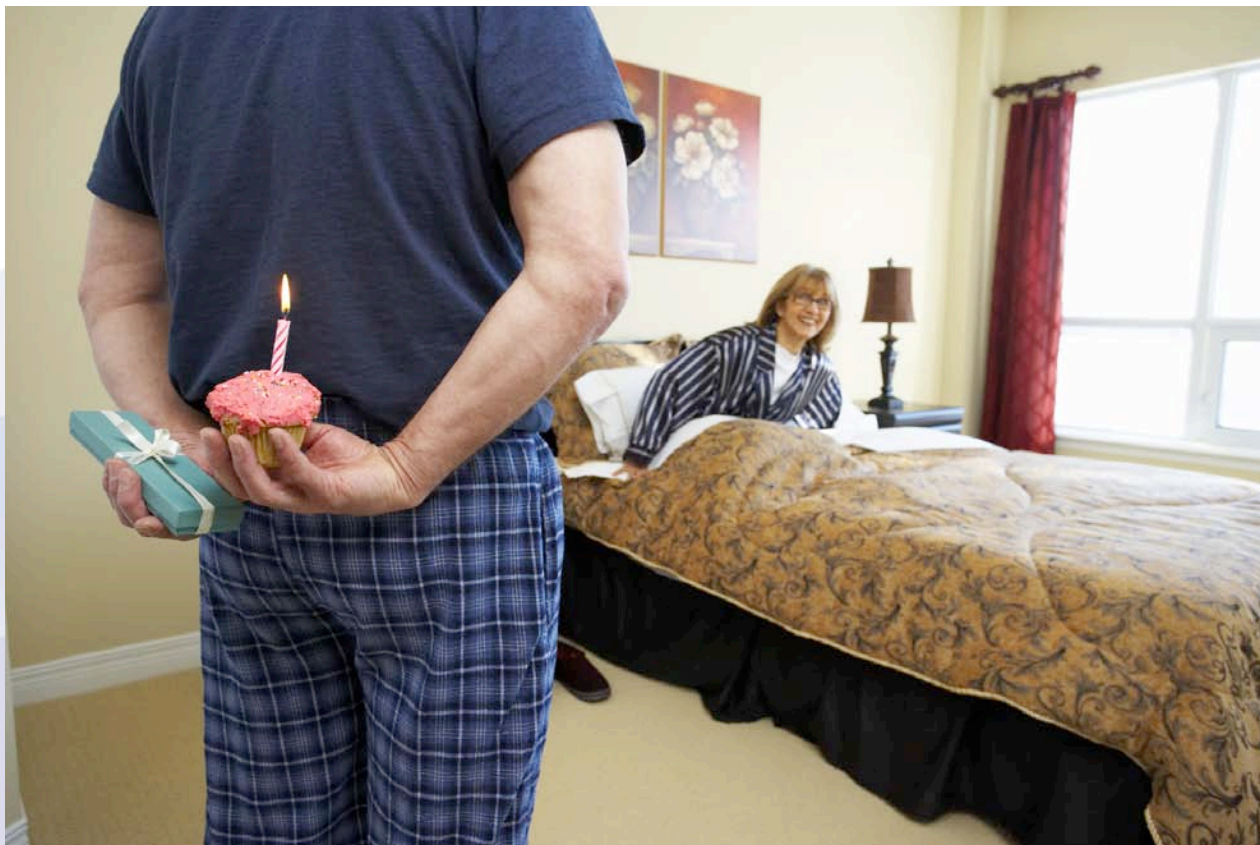
Environment: Absent

Interaction: Absent

Personal relevance: Low

Clarity: High

Comment: Lack of context, interaction, and relevancy are problematic



Environment: High

Interaction: High

Personal relevance: High

Clarity: High

Comment: Good picture to communicate a story



Environment: High

Interaction: Low

Personal relevance: Low

Clarity: Low

Comment: Serves only to identify a location; does not communicate a story