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## AAC and Aphasia

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**Presenter:**  
Sarah Wallace, Ph.D.

**Moderated by:**  
Amy Natho, M.S., CCC-SLP, CEU Administrator,  
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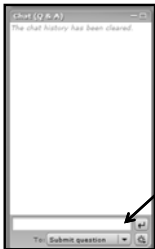
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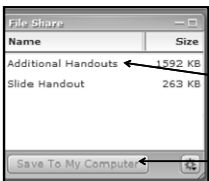
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Today's Presenter

➤ Sarah Wallace, Ph.D.

➤ Assistant Professor in the Department of Speech-Language Pathology at Duquesne University.

AAC and Aphasia

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AAC AND APHASIA

Augmentative and alternative communication strategies for people with aphasia

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OBJECTIVES

● Participants will be able to:

- Describe various no, low, and high technology AAC options appropriate for people with aphasia.
- Describe the unique AAC challenges in the area of aphasia such as those related to cognitive-linguistic impairments resulting from aphasia.
- Describe appropriate components of AAC evaluations of people with aphasia.

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## OUTLINE

- AAC & Aphasia Overview
  - What is AAC? What is Aphasia?
  - Why AAC?
- What unique factors related to people with aphasia influence AAC use?
- What are the components of AAC assessments?
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- What modifications to typical strategies might be appropriate for people with aphasia?
- Wrap Up

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## AAC DEFINITION



- Strategies, techniques, or devices intended to supplement or replace, either permanently or temporarily, insufficient or ineffective communication skills.
- "a set of procedures and processes by which an individual's communication skills (i.e., production as well as comprehension) can be maximized for functional and effective communication" (ASHA, 2002, p. 420).




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## AAC BASICS



- Aided or Non-Aided
- Aided: No, Low or High technology
  - Letterboards, communication notebooks, electronic dynamic display devices with voice output.



- Non-Aided:
  - Incorporate manual signs, gestures, body movements into a person's communication repertoire.




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## AAC BASICS

- ◎ AAC is a system, not a device
  - A combination of strategies and techniques to minimize barriers to communication

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## APHASIA

- "Aphasia is a multimodality physiological inefficiency with verbal symbolic manipulations (e.g. association, storage, retrieval, and rule implementation). *In isolated form it is caused by focal damage to cortical and/or subcortical structures of the hemisphere(s) dominant for such symbolic manipulations. It is affected by and affects other physiological information processes to the degree that they support, interact with, or are supported by the symbolic deficits.*" (McNeil, 1988)

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## AAC AND APHASIA: WHY

- ◎ Unmet Communication Needs
  - "In all but the most transient of aphasia, and perhaps its mildest forms, there is little reason to believe that aphasia therapy 'removes' the aphasia" (Holland & Beeson, 1993, p. 582).

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## AAC AND APHASIA: WHY

- Traditional therapy: restore linguistic function, then clinicians use compensatory strategies to deal with residual deficits
- However, if introduction of AAC is early:
  - Language restoration is supported by functional tasks
  - Person is familiar with AAC if needed in future

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## OUTLINE

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  - ~~Why AAC?~~
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## UNIQUE FACTORS

- Cognition
- Symbolic processing disorder
- Timing of interventions
- AAC facilitators
- Strengths

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## UNIQUE FACTORS

- ◉ Cognition
  - Executive function
  - Cognitive flexibility

- ◉ Purdy & Van Dyke, 2009
- ◉ Wallace, 2009

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## UNIQUE FACTORS

- ◉ Symbolic Processing Disorder
  - Consider representations of meaning
  - EXAMPLE: Sign language
- Benefit from redundancy through multiple modalities and strategies to reduce reliance on symbols.

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## UNIQUE FACTORS

- ◉ Timing of AAC interventions



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## UNIQUE FACTORS

- AAC facilitators
  - TBI literature
    - 17 use High Tech AAC; 2/4 abandon due to lack of facilitator support
  - Communication partner training
    - Effective means for improving communication & participation of PwA
  - More research needed

Fager, Hux, Karantounis, & Beukelman, 2006

Simmons-Mackie, Raymer, Armstrong, Holland, & Cherney, 2010

## UNIQUE FACTORS

- Strengths of people with aphasia
  - Visual perception
  - Intellectual functions
  - World Knowledge

(McNeil, 1988)

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## AAC ASSESSMENT

- Goal: Develop a capability profile
  - Traditional aphasia battery
  - Specific cognitive functions
    - Cognitive Linguistic Quick Test
  - Specific AAC measures
    - Multi-modal Communication Screening Task for Persons with Aphasia
    - Partner dependency
    - Needs assessment & Topic Inventory
    - Strategy and Device Trials

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## AAC ASSESSMENT

- Traditional Battery
  - Western Aphasia Battery -Revised (WAB-R)
  - Boston Diagnostic Aphasia Examination - 3 (BDAE)
  - Boston Naming Test - 3 (BNT)
  - Test of Adult and Adolescent Word Finding (TAWF)

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## AAC ASSESSMENT

- Specific Cognitive Functions
  - Cognitive Linguistic Quick Test (CLQT)
    - Trail Test
  - Wisconsin Card Sorting Test (WCST)?
  - Communicative Abilities in Daily Living -2 (CADL-2) - modified

### MODIFIED

- 48 expressive items
- If initial communication attempt fails, counted as opportunity to switch modalities
- If 2<sup>nd</sup> attempt with another modality is success, recorded as successful switch
- If 2<sup>nd</sup> attempt fails, unsuccessful switch
- Ratio: # successful modality switches / # opportunities to switch

(Purdy & Koch, 2006)

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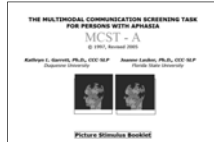
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## AAC ASSESSMENT

### Specific AAC Measures

- Multi-modal Communication Screening Task for Persons with Aphasia (<http://aac.unl.edu/screen/screen.html>)
  - Assesses ability to communicate with an external system, search pictures, categorize, combine symbols, combine communication modalities, and use symbols for story telling or to convey a message.




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**Section D: Using Environmentally-stored Phrases in a Specific Context** MCST-A

Directions to Evaluator: CLOSE THE BOOK AT THE BEGINNING (PAGE 1) OF THE DRUGSTORE AND CHILDREN CONTEXTS.

Directions to Communicator: "This time, we want to see how you would ask some questions in a drugstore, and then with your grandparents/children."

Phrases	Response	Response/Phrase Used	Time	Rate	NA	None	Partial	Good	Excellent	Other	Notes
At the drugstore:											
"I got the paper that the doctor said to get at the drugstore - you know, the one that says 'prescription or something'."	4. Items look like a prescription										
"You would you tell the clerk, 'I need some medicine' - is that my best?"	4. Please tell the clerk 'I need some medicine'										
"We have a medicine for the cough and the asthma?"	4. Yes, we have										
"You would you ask the clerk to fill a couple of your prescriptions - Aspirin? Water? You know, whatever your doctor says. We have many pills around I take?"	4. Please tell the clerk to fill a couple of your prescriptions										
Talking with the Grandparents/Children:											
"You would you ask 'I would like to see the grandparents' coming around here?'"	4. Please tell the grandparents										
"You would you tell the grandparents about Aspirin? Water? You know, whatever your doctor says?"	4. Please tell the grandparents										
"You would you tell the grandparents about what they would be getting today?"	4. Please tell the grandparents										

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Page 5: Environmental Phrases A

**AT THE DRUGSTORE:**

I NEED MORE:

**Aspirin** **Toothpaste** **Deodorant** **Soap** **Hairspray**

• Please fill my prescription  
-X 1  
-X 2  
• When do I take my pills?  
• Please write the instructions

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## AAC ASSESSMENT

- ◉ Specific AAC assessment measures
  - Partner Dependency
    - <http://aac.unl.edu/screen/aphasiachecklist.pdf>
  - *Emerging Communicator*
  - Contextual Choice Communicator
  - Transitional Communicator
  - Stored Message Communicator
  - *Generative message Communicator*
  - \*Specific Need Communicator

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## AAC ASSESSMENT

- ◉ Specific AAC assessment measures
  - Partner Dependency
  - Emerging Communicator
    - Requires maximal assistance
    - Contextual awareness
    - No initiation or repetition of verbalizations
    - No or extremely limited functional speech or gestures
    - Persistent global aphasia

- Develop turn-taking
- Develop choice-making ability
- Develop signals for agreement and rejection

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## AAC ASSESSMENT

- ◉ Specific AAC assessment measures
  - Partner Dependency
  - Generative Message Communicator
    - May need training to effectively use AAC strategies.
    - Initiates conversations with extra time
    - Recognizes errors & may sometimes repair conversation

- Ask questions via pointing to pre-stored information
- Draw or point to maps or figures to communicate
- Resolve conversational breakdowns
- Use a variety of communication modes as needed

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## AAC STRATEGIES & DEVICES

- Unaided
  - Gestures
- Aided No technology
  - Augmented Input
  - Written Choice
  - Drawing
  - Writing
  - Scales
  - Conversation starters
  - Communication notebook
- Aided High technology

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Daumuller et al 2010

## AAC STRATEGIES & DEVICES

- Gestures
- Must directly teach how & when to use them
  - Waving a hand, touching a person's arm, establishing joint eye contact to gain attention
  - Pointing to desired object instead of verbally requesting
  - Head nods and shakes
  - Indicate feelings through facial expression (eyebrows raised)
- Intervention: visual action therapy (VAT) (Helm-Estabrooks, 2004); imitation; practice in real-life or simulated situations; drill and practice

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## AAC STRATEGIES & DEVICES

- ◉ Unaided
  - Gestures
- ◉ Aided No technology
  - Augmented Input\*
  - Written Choice
  - Drawing
  - Writing
  - Scales
  - Conversation starters
  - Communication notebook
- ◉ Aided High technology

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## AAC STRATEGIES & DEVICES

- ◉ Augmented Input/Comprehension\*
  - Multimodality
  - Drawing, writing key words, gesturing, referencing context, prosodic emphasis
  - In combination with spoken utterances
    - Communication partner: Did you go to your sister's (writes sister?) on Sunday (points to Sunday on calendar)
    - Person with aphasia: (nods head)
    - Communication partner: So, yes (nods head), you did go to your sister's (points to written word) on Sunday (points to calendar).
    - Person with aphasia: (nods head)

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## AAC STRATEGIES & DEVICES

- ◉ Written Choice
    - "What restaurant do you want to go to? Do you want to go to Old India, Italian Kitchen, Rudy's steak house, or somewhere else?"
- Restaurant?  
 •Old India  
 •Italian Kitchen  
 •Rudy's steakhouse  
 •Somewhere else

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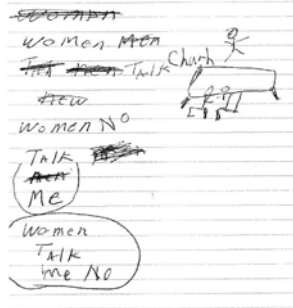
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## AAC STRATEGIES & DEVICES

### ● Drawing




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Communication  
Drawing Program

## AAC STRATEGIES & DEVICES

### ● Drawing Intervention

1. Identify key shapes in line drawings
2. Trace shapes
3. Copy shapes of increasing complexity
  - Shapes become complex enough to resemble objects
4. Complete half finished drawings
5. Begin drawing to convey info displayed on cards only visible to person with aphasia.
6. Initiate drawing as supplement to verbal or written words
7. \*Practice in real-life or simulations

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## AAC STRATEGIES & DEVICES

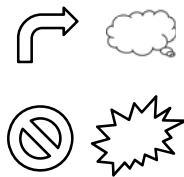
### ● Drawing Intervention (con't)

- Two skills to focus on....

#### ● Enlargement



#### ● Graphic Elements




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## AAC STRATEGIES & DEVICES

### ◉ Drawing

- Resistance to using drawing is NORMAL
  - SO... Keep markers and paper handy
  - Counsel about switching handedness
  - Imitation is best form of flattery
  - "Air drawing"
- Drawback
  - How do you draw *acceptable*??

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## AAC STRATEGIES & DEVICES

### ◉ Writing

- Anagram and Copy Treatment (ACT)
  - Spelling by arrangement of component letters
  - Copying target words
- Copy and Recall Treatment (CART)
  - Repeated copying of target words in the presence of pictured stimuli, followed by recall trials in the form of written picture naming
  - Weekly treatment and daily homework

Resource: (Helm-Estabrooks & Albert, 2004)

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## AAC STRATEGIES & DEVICES

### ◉ Scales

Today's session was....

1 2 3 4 5 6 7 8 9 10



The pictures you used were.....

1 2 3 4 5 6 7 8 9 10

Not good

ok

Very good

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## AAC STRATEGIES & DEVICES

### ◉ Conversation Starters

- Hurricane Katrina
- Rebuilding after the storm
- The response
- FEMA

Hurricane Scale		
Category	Winds (mph)	Surge
1	74 - 95	5-8
2	96 - 110	9-12
3	111 - 130	12-17
4	131 - 155	14-20
5	155+	17-25

It was good  
It was too late  
It was poorly done

bad 1 2 3 4 5 good




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## AAC STRATEGIES & DEVICES

### ◉ Communication Books

- Convey basic wants and needs
- Target specific communication:
  - Relay personal information about person with aphasia
- Establish social closeness
  - Small talk & story telling
  - Make communication repairs
- SLPs should:
  - Provide instructions about methods of facilitating communication for the communication partner
  - Ensure book is updated regularly

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## AAC STRATEGIES & DEVICES




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## AAC STRATEGIES & DEVICES



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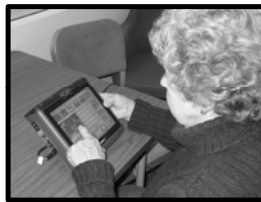
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## AAC STRATEGIES & DEVICES

- ◉ Unaided
  - Gestures
- ◉ Aided No technology
  - Augmented Input\*
  - Written Choice
  - Drawing
  - Writing
  - Scales
  - Conversation starters
  - Communication notebook
- ◉ Aided High technology



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## AAC STRATEGIES & DEVICES

- ◉ High Technology



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## MODIFICATION TO STRATEGIES

- Visual representation
  - High-Context Photographs
  - Visual Scene Displays
    - High & Low Technology
- Multimodality Communication Training Program

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## MODIFICATION TO STRATEGIES

- Visual Representation
  - High-Context Photographs
    - Represent situations, places, or experiences
    - Depict people or objects in relation to one another, the natural environment, and the central action of a scene
    - Convey the "gist" of a situation or event
    - Provide support for conversational exchanges

Four criteria:

1. Environmental context
2. Interaction
3. Personal relevancy
4. Clarity

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### MODIFICATIONS TO STRATEGIES




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### MODIFICATIONS TO STRATEGIES

- Visual Representation
  - High-Context Photographs
    - What does the research tell us??
      - Preferences of people with aphasia
      - Better identification by people with aphasia
      - Support reading comprehension??

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### MODIFICATIONS TO STRATEGIES

- Visual Representation
  - High-Context Photographs
- Many Uses
  - Therapy Stimuli - naming, pictures descriptions, Sentence Production Program for Aphasia (SPPA)
  - Communication notebooks
  - Other no or low tech AAC strategies
  - High technology AAC systems



- \*Show many examples prior to collection of photos

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## MODIFICATIONS TO STRATEGIES

- Visual Representation
  - Visual Scene Displays
    - Traditional (Grid) vs. VSDs
    - No technology & High technology examples

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## MODIFICATIONS TO STRATEGIES

- Traditional grids
  - Semantic Organization
  - De-contextualization
  - Isolation
  - Icons
  - Assume intact language system
- VSDs
  - Episodic organization
  - Color highlights
  - Text
  - High Context photographs
  - Speech buttons

© (Wilkinson & Jagarao, 2004)



(Meyer Johnson, 2006)




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## MODIFICATIONS TO STRATEGIES

- Not perfect...




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## MODIFICATIONS TO STRATEGIES



We went to my son Jack and daughter-in-law Becky's home for Thanksgiving.

Becky's decoration of the table is a tradition.

The family really looks forward to seeing what she does with the table each year.

☆☆☆☆☆☆☆☆☆☆  
 ☆ To get started, ask me ☆  
 ☆ about: ☆  
 ☆ • What I did for Thank- ☆  
 ☆ giving ☆  
 ☆ or ☆  
 ☆ • My daughter-in-law ☆  
 ☆☆☆☆☆☆☆☆☆

- ◉ No Tech VSD
  - Evaluation of VSD
  - Back up
  - Personal preference
  - Free!

<http://aac.unl.edu>

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## MODIFICATIONS TO STRATEGIES

- ◉ High Technology VSD
  - Notice..
    - Navigation ring with theme images
    - Text and speech buttons
    - Color highlighting
    - Scale
    - Go deeper buttons

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NAVIGATION RING

SCALE

1 2 3 4 5 6 7 8 9 10

Home Back TEXT SPEECH BUTTONS

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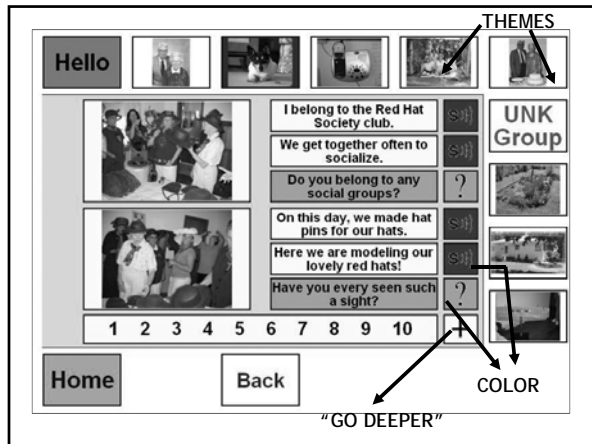
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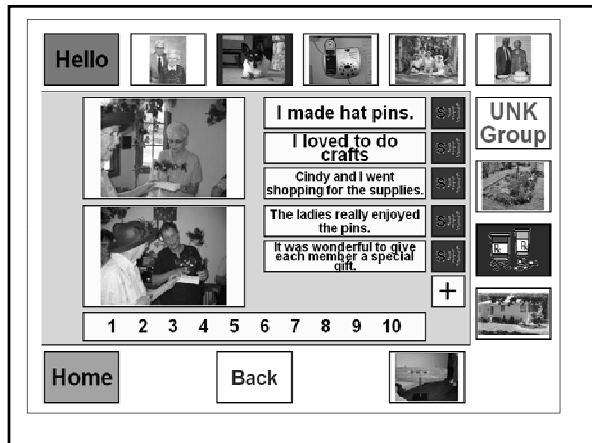
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## MODIFICATIONS TO STRATEGIES

- ◎ Why do VSDs work?
  - Area of current research
  - Hypotheses:
    - Supplement language processing by adding redundant information to facilitate inefficient language processing.
    - Minimize reliance on linguistic or symbolic processing.

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## MODIFICATION TO STRATEGIES

- ◉ Visual representation
  - High Context Photographs
  - Visual Scene Displays
    - High & Low Technology
- ◉ Multimodality Communication Training Program

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## MODIFICATIONS TO STRATEGIES

- ◉ Multimodality Communication Training Program
  - Problem:
    - Poor generalization of strategy use
    - Failure to spontaneously switch to alternative modality  
(Purdy et al., 1994)
    - Most training programs teach one modality at a time
      - May not create multimodal representations

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## MODIFICATIONS TO STRATEGIES

- ◉ Multimodality Communication Training Program
  - Intervention
    - Goal: improve strategic competence or ability to determine appropriate AAC strategy if communication breakdowns occur
    - Teach modalities together to create cohesive multimodality representation
    - Pilot Study with 2 participants (Purdy & VanDyke, 2009)

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## MODIFICATIONS TO STRATEGIES

- Multimodality Communication Training Program
- Intervention
  - Express concept by verbalizing, gesturing, writing, and drawing.
  - Feedback & cues to elicit correct production in each modality. *"How else can you communicate that?"*
  - Following practice with all modalities for a single concept, a new concept was introduced.
  - 20 concepts were drilled 2-4X per session.

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## MODIFICATIONS TO STRATEGIES

- Multimodality Communication Training Program
- Intervention
  - Switch spontaneously among 3 modalities
- Caution
  - Improvement may be limited by poor semantic representations.
  - Semantic treatment program (Semantic Feature Analysis) may be needed.

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## OUTLINE

- AAC & Aphasia Overview
  - What is AAC? What is Aphasia?
  - Why AAC?
- What unique factors related to people with aphasia influence AAC use?
- What are the components of AAC assessments?
- What AAC strategies might be appropriate for people with aphasia?
- What modifications to typical strategies might be appropriate for people with aphasia?
- Wrap Up

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## WRAP UP

- "Holland recommends that treatment focus on *COMMUNICATIVE COMPETENCE*...aphasic persons need NOT be perfect speakers or listeners to *COMMUNICATE* adequately."

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## WRAP UP

- Complete AAC assessment - capability profile
- Select system of AAC strategies - unaided, aided, high-, low-, no-technology
- Promote generalization
  - Teach PwA to use AAC during "integrative situations that demand strategic, on-the-spot implementation" (Garrett & Kimelman, 2000).
  - Consider strategic competence

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## SELECTED REFERENCES

- Garrett, K. & Kimelman, M. (2000). AAC and aphasia: Cognitive-linguistic considerations. In D. Beukelman, K. Yorkston, & J. Reichle (Eds.), *Augmentative and alternative communication for adults with acquired neurologic disorders* (pp.339-374). Baltimore, MD: Brookes Publishing Co.
- Helm-Estabrooks, N., & Albert, M. L. (2004). *Manual of aphasia and aphasia therapy* (2<sup>nd</sup> Edition). Austin, TX: Pro-Ed.
- Hux, K., Weissling, K., & Wallace, S. (2008). Communication-based interventions: AAC for people with aphasia. In Chapey, R. Ed., *Language intervention strategies in aphasia and related neurogenic communication disorders*. (5th edition). (p. 814-836). Philadelphia, PA: Lippincott, Williams & Wilkins.
- McKelvey, M., Dietz, A., Hux, K., Weissling, K., & Beukelman, D. (2007). Performance of a person with chronic aphasia using visual scene display. *Journal of Medical Speech Language Pathology*, 15, 305-317.
- Purdy, M., & Koch, A. (2006). Prediction of strategy usage by adults with aphasia. *Aphasiology*, 20, 337-348.
- Purdy, M., & VanDyke, J., (2009, May). Intermodal training to facilitate communication in aphasia: A pilot study. Clinical Aphasiology Conference. Keystone, CO.

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## SELECTED TOOLS

- Garrett, K., & Lasker, J. (2005). The multimodality screening task for persons with aphasia. Retrieved February 21, 2011 from <http://aac.unl.edu/screen/screen.html>.
- Garrett, K., & Beukelman, D.R. (1997). Aphasia needs assessment. Retrieved February 21, 2011 from <http://aac.unl.edu/screen/screen.html>.
- Holland, A., Frattali, C., & Fromm, D. (1999). Communicative abilities in daily living (CADL-2). Austin, TX: Pro-Ed.

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### Virtual Conference on AAC

**Guest Moderator: Filip Loncke**

<u><b>Monday, 3/21</b></u>	AAC in School Settings: What is the Role of the SLP? <i>Nancy Robinson, Ph.D., CCC-SLP</i>
<u><b>Tuesday 3/22</b></u>	Use of AAC Devices and Strategies for People with Aphasia <i>Sarah Wallace, Ph.D.</i>
<u><b>Wednesday 3/23</b></u>	Practicing AAC in Acute Care Settings <i>Debra Downey, M.A., CCC-SLP</i>
<u><b>Thursday 3/24</b></u>	AAC Funding and Report Writing for Medicare, Medicaid and Insurance <i>Lewis Golinker, Esq.</i>
<u><b>Friday 3/25</b></u>	AAC Funding and Report Writing for Special Education <i>Lewis Golinker, Esq.</i>

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