

Teaching LPAA:

Current Resources and Conversations for the Future

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Introductions & Disclosures

Financial

Sandra Glista is an emerita Master Clinical faculty, Western Michigan University

Jodi Morgan is employed by Brooks Rehabilitation Aphasia Center, Jacksonville University

Robin Pollens is the Aphasia Communication Enhancement (ACE) Program coordinator and clinical faculty, Western Michigan University

Jessica Welsh is employed by the State University of New York at New Paltz, which paid for conference registration and travel

Janet Whiteside is the founder of Aphasia House

All presenters received a conference registration discount from Aphasia Access.

Non-Financial

All authors are members of Aphasia Access, an alliance of Life Participation Providers.

All authors have a professional bias in favor of incorporating the Life Participation Approach to Aphasia into teaching, research, and clinical activities regarding aphasia.

Sandra Glista, Jodi Morgan, Jessica Welsh, and Janet Whiteside are volunteer members of the Aphasia Access Education and Research committee.

Jessica Welsh is on the Adler Aphasia Center SLP Advisory Committee.

Learning Objectives

After participating in this interactive workshop, participants will:

- 1. Describe a key feature/detail of freely available LPAA teaching materials.
- 2. Identify strategies to apply LPAA teaching resources to participant's practice setting.
- 3. Identify future directions for development of additional LPAA teaching resources.

Session Overview

- 1. Summarizing history of academic modules working group
- 2. Asking questions

Who do you teach about LPAA?

In which settings?

What aspect(s) of LPAA are you teaching?

How do you teach? What tools do you use?

- 3. Teaching LPAA in settings/highlighting tools
- 4. Learning from each other
- 5. Directing the future

Teaching about LPAA: Why does it matter?



Background: Working Group

2015	2016 to 2018	2019 to ?
"to develop a	Created materials (or links to existing	The focus of the
plan to ensure	materials) that would allow anyone teaching	working group is
that LPAA is	students about aphasia (in the classroom or	expanding to
integrated into	in the clinic) to:	make it easier for
curricula in North		a range of
America."	 educate themselves about LPAA 	practitioners
	 access content that can be incorporated 	across a variety
(Mary Boyle 5-9-15,	into classes or clinic seminars	of settings to
personal communication)	 develop LPAA-based student activities or 	teach/learn
,	assignments	about the LPAA.
	 understand how LPAA can be 	
	incorporated into assessment, goal writing,	
	and treatment	

Background: Adult Learning Principles and Practices

- 1) Personal Benefit. Adult learners must be able to see the personal benefit of what they are learning, and how it satisfies a need they have.
- 2) Experience. Adult learners come to each learning event with a unique background of knowledge and experience.
- 3) Self Direction. Adult learners are self-directed and must have some control over what they are learning.
- 4) Application & Action. Adult learners are busy and learn by doing.
- 5) Learning Styles. Adult learners approach learning in a great variety of ways, from hands-on and moving to using their eyes, ears, and/or logic to anchor new skills and knowledge.

Background: Audience

We want to know about you! There will be questions interspersed throughout the session.

Use guided notes handed out at the start to keep track of your ideas, and questions.





Who do you teach (or would like to teach) about LPAA?

- a) Speech-language pathology students
- b) Other allied health students
- c) Speech-language pathologists
- d) Allied health or medical colleagues
- e) People who have aphasia
- f) Family member/caregivers/friends
- g) Other groups
- h) No one. I am not interested in teaching about LPAA.





Where/in what setting(s) do you teach?

- a) University class or clinic
- b) Medical facility
- c) Rehabilitation facility
- d) Individuals' homes
- e) Professional workshops
- f) Other setting(s)



College of Health and Human Services Western Michigan University

www.wmich.edu photo by Justin Maconochie



How do you teach about LPAA? What tools do you use?



Resources to teach about LPAA – Academic Modules



Aphasia Access LPAA Academic Modules

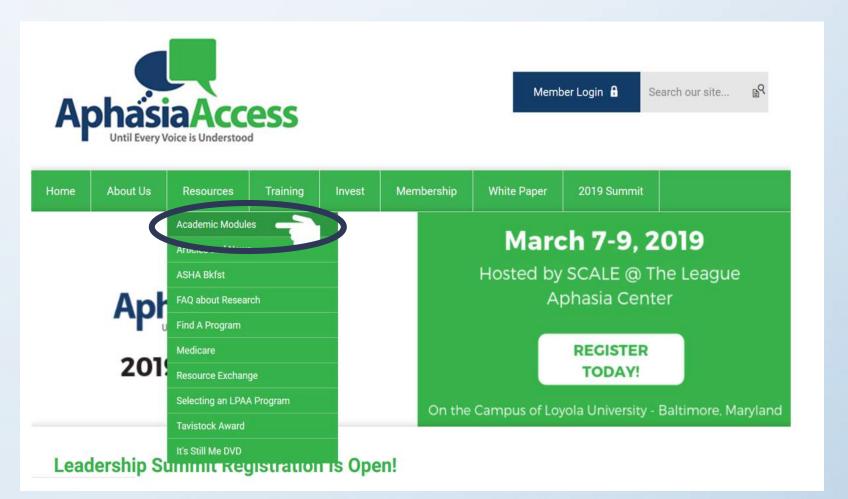
As of March 2019, there are four full, freely available academic modules posted on the Aphasia Access website.

Topics include:

- Evidence for LPAA
- Key elements of LPAA
- Assessment
- Intervention

Take a Tour...

www.aphasiaaccess.org



Module 1: The Evidence for LPAA



The Evidence for LPAA

Life Participation Approach to Aphasia

Based on Simmons-Mackie, N. & Kagan, A. (2015).

Research Evidence for Life Participation Intervention in Aphasia.

Presented at the 2015 AphasiaAccess Leadership Summit, Boston

Two Types of Research

- Research supporting need for LPAA
- Treatment/intervention research



Research Supporting Need for LPAA

Environmental barriers

- Five studies and one meta-analysis (of three studies) identified environmental barriers to participation for PWA
- PWA tended to be marginalized by societal barriers. Although barriers exist in multiple categories, often they can be reduced.
- Conclusion:
 - Intervention should address the environment to reduce/eliminate barriers



Treatment Targeting a Single Domain

Low-tech AAC

- Ten studies (seven single cases, three group studies with low Ns)
- Reported positive outcomes for improved communication participation



Course Module

Assessment activities

Sample test questions:

- 1. You work in the outpatient department of a rehabilitation hospital. You are trying to convince the administration to start a program of psychological support for people with stroke-induced aphasia and their care partners, but they are resistant. What information from research studies could you present to strengthen your case?
- 2. Early in the rehabilitation process are the goals of SLPs similar to goals of PWA and their families? Explain.

Sample case study

Ms. A is a 26-year-old right-handed African-American native-English speaking woman who suffered a left CVA that resulted in Broca's aphasia approximately 1 year ago. She completed college and worked as a nutritionist in a hospital prior to the stroke, but has been unable to return to work. She lives with her very supportive family (mother, sister, brother-in-law) but has become depressed by her loss of independence and her inability to return to work. Her profile of language strengths and challenges is consistent with classical stroke-induced Broca's aphasia. Her expressive language is nonfluent and agrammatic, characterized by the production mostly of nouns in 3-4 word utterances. She is adept at using facial expression, prosody, and gestures to enhance her spoken

Module 2: Key Elements for Implementation



Key Elements for Implementation

Life Participation Approach to Aphasia

NOTE: The associated document, "Life Participation Approach to Aphasia", contains information regarding relevant standards/guidelines, learning objectives, additional learning materials, and assessment activities. The document "Summary of Research References" contains the references separated into categories.

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Learning Objectives

Upon successful completion of this learning module, participants will be able to:

- Distinguish key elements in the implementation of LPAA model
- Identify how LPAA augments/extends impairment based treatment
- Construct a therapeutic environment that encompasses the LPAA model for PWA



Overview for Users

This presentation will identify the following elements, both within the LPAA model and a traditional impairment-based model of treatment

- Outcomes
- Assessment
- Treatment

- Persons treated
- Environment
- Therapists' role



Taking at look at OUTCOMES

Beginning with the end...

Looking at desired outcomes first



What kinds of outcomes can be expected when designing impairment-based intervention?

Improvement in skills related to:

- word recall
- auditory comprehension
- reading
- writing

- discourse (verbal and written)
- grammar
- speech intelligibility



What kinds of outcomes can be expected when designing LPAA intervention?

Increased behaviors as measured by

- Engagement
- Satisfaction of self-chosen activities
- Natural conversation or communication

- Social connectedness
- Emotional well-being
- Ability to cope, resiliency



Let's take a closer look at GOALS



Impairment-based and participation-based goals in an acute setting

LONG TERM GOAL

Client will participate in discharge planning.

IMPAIRMENT-BASED SHORT TERM GOAL (STG)

Client will respond to multiple choice questions with 80% accuracy.

LPAA SHORT TERM GOAL

Client will engage in choosing health care options by indicating preference with care provider 80% of the time.

Impairment-based and participation-based goals in an out-patient setting

LONG TERM GOAL

Client will follow directions in his environment.

IMPAIRMENT-BASED SHORT TERM GOAL (STG)

Client will follow 2-3 step directives with 80% accuracy.

LPAA SHORT TERM GOAL

Client will accurately fill weekly pill box, following directions from partner.



Module 3: Assessment in LPAA



Assessment in Life Participation Approach to Aphasia

How can SLPs assess people with aphasia using the LPAA?

Learning Objectives

Upon successful completion of this learning module, participants will be able to:

- Differentiate between using the LPAA model from impairment-based models of assessment
- Apply the LPAA model to assessment processes and procedures for people with aphasia



Comparison of impairment-oriented and LPAA assessment (Whiteside, 2017, LPAA Academic Module)

Impairment-oriented Assessment	LPAA Assessment	
 Language functions intrinsic to the individual Spoken language production Understanding spoken language Written language production Understanding written language Modalities 	 All domains of living with aphasia Language & communication strengths Participation goals Environment and context Personal factors Emotional well-being 	



Example: Home Care

Mr. and Mrs. B. talked with the home care SLP about how life had changed since coming home from the hospital.

Using a patient report tool, the *Communication Activities Checklist* (COMACT) (Cruice, 2001, Cruice et al., 2010), the client's communication interests were assessed. The SLP determined that Mr. B. wanted to read more.

Using the A-FROM framework, the SLP considered:

ENVIRONMENTAL factors (He and his wife read in the living room every evening) PERSONAL factors (They missed the social closeness of reading together) and LANGUAGE factors (Significantly reduced reading comprehension).

Identified LPAA Goal: To enjoy reading together with wife using audio books from public library



Methods for assessment in LPAA

- 1. Standardized Assessments
 - empirically developed with statistical reliability and validity
- 2. Self-Report/Family/ or SLP Report Measures
 - rating scales, inventories or questionnaires
- 3.. Ethnographic Interviewing / Biographic Narrative
 - open-ended questions, restatement, and clarification
- 4. Observation and Contextual Analysis
 - variables affecting and interacting with communication participation
- 5. Dynamic Assessment
 - real-life situation task assessment; treatment applied and changes noted

http://www.asha.org/Practice-Portal/Clinical-Topics/Late-Language-Emergence/Assessment-Tools-Techniques-and-Data-Sources/

LPAA Assessment: Standardized Tool

Purpose	To reveal immediate needs for communication participation <i>Mr. A, 78, living alone after recent CVA</i>
Tool	Communication Activities of Daily Living - 3 (Holland, Fromm, & Wozniak, 2018)
Outcome	Identified impairment in reading prescription instructions; Mr. A needs to manage his medications at home independently.



LPAA Assessment: Dynamic Assessment

(Hersh et al., 2013; Hersh, 2012)

Purpose	To evaluate current impact of aphasia on participation and to guide treatment Mrs. E, 58 with nonfluent aphasia, 3 months post onset
Process	At the skilled nursing facility, the Interprofessional Team meeting noted that Mrs. E was not following safety instructions for use of her new walker. This was a barrier to her goal to reside in her own home. The SLP observed PT working with Mrs. E and assessed her ability to follow the spoken instructions. SLP then provided key word visual support to determine impact on following safety instructions.
Outcome	Mrs. E's personal goal of discharge to her home will require treatment of communication strategies for increasing comprehension of safety instructions.



TOOL	L!V Cards (Life Interests and Values Cards) (Haley et al., 2010)
Description	Communicate with person with aphasia or family/friend about valued life activities. Drawings on cards depict life activities in four categories: Home & Community, Creative & Relaxing, Physical, and Social
Measurement	Determine list of "wants to do more" activities in each area
Example result	Person with aphasia chose camping and traveling as a family life activity to resume.

https://www.med.unc.edu/ahs/sphs/card/resources/livcards/score-sheets



Times for LPAA assessment

Assessment using the LPAA takes place across the lifespan of a person living with aphasia (Simmons-Mackie, King, & Beukelman, 2013).

- Soon after onset in acute care
- During active rehabilitation
- Any time new needs arise



Module 4: Intervention in LPAA



Aphäsia Access Intervention in LPAA

NOTE: The associated document, "Course Module: intervention in LPAA", contains information regarding relevant standards/guidelines, learning objectives, additional learning materials, and assessment activities.

Learning Objectives

Participants will:

- Identify aspects of intervention as they fit within the A-FROM model
- Identify areas in which LPAA principles can be applied to aphasia intervention
- Access resources to incorporate LPAA into their clinical practice
- Develop client-centered intervention plans grounded in LPAA



Incorporating LPAA into Clinical Practice

It should be about any approach we use in intervention of aphasia. I believe the first thing that should occur to any of us as we choose intervention approaches is:

How will this help the PWA reconnect with his or her life? Sometimes the paths are circuitous, but the question should be foremost in all of our activities.

Audrey Holland (2010, ASHA SIG2 blog)



Incorporating LPAA into Clinical Practice

Examples of ways in which LPAA principles can be incorporated into clinical practice:

- 1. Setting goals with clients and families
- 2. Training communication partners
- 3. Working with PWA to maximize all communication modalities
- 4. Incorporating technology
- 5. Providing group-based services
- 6. Providing individual intervention (e.g., script training)
- 7. Promoting community participation
- 8. Advocating education and outreach to increase aphasia awareness



Intervention Across A-FROM Domains

Goals in different A-FROM domains can be addressed in multiple contexts, with some overlap in domains addressed through each area:

Impairment

- communicative support/output
- technology
- aphasia groups
- script training
- education/outreach
- evidence-based interventions

Personal

- cooperative goal setting
- aphasia groups
- education/outreach

Activity/Participation

- cooperative goal setting
- communication partner training
- communicative support/output
- technology
- aphasia groups
- script training
- community participation
- education/outreach

Environment

- communication partner training
- communicative support/output
- aphasia groups
- community participation



1. Cooperative Goal Setting - Why?

Most people with aphasia will be living with aphasia for the rest of their lives, so we need to:

- Work collaboratively with people with aphasia and their families/ caregivers to establish relevant and meaningful goals
- Make living successfully with aphasia a real possibility by making sure those living with aphasia participate in meaningful activities again
- Foster hope and an optimistic outlook for the future



Cooperative Goal Setting – How?

Assessing and prioritizing personal goals should be a target of therapy.

Identifying barriers to participation and working together to reduce barriers and achieve goals are integral parts of the intervention process.

Using available tools, e.g., Assessment for Living With Aphasia Toolkit, second edition (Kagan et al, 2013) and Life Interests and Values Cards (Haley et al. 2010)

Writing goals in authentic ways, using goal attainment scaling (GAS) (Schlosser, 2004) and SMARTER goals (Hersh, et al, 2012)



What Does Cooperative Goal setting Look Like?

Resources for how to write them:

Goal Attainment Scaling

https://swoslpnetwork.files.wordpress.com/2014/05/the-use-of-goal-attainment-scaling2014-for-handouts21.pdf

SMARTER Goals

http://www.aphasiapathway.com.au/?name=SMARTE-framework

Collaborative Goal Setting

https://www.med.unc.edu/ahs/sphs/card/resources/aphasia-goals



Resources to teach about LPAA – other



Tools to Support Adult Learners

- Case studies and simulations
- Classroom training, lectures, and lecturettes
- Experiential learning, role play, and demonstration
- Games
- Reading, projects and writing tasks
- Self-study
- Teaching back, showing another



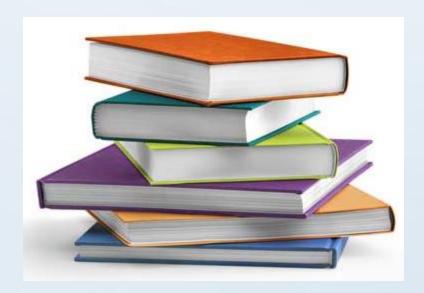
Watching, assisting, doing the "real thing"

Other Teaching/Learning Resources

Teac	hing LPAA - Re	sources for adult learners
Learning strategy	Learners	Example Tools & Resources
Testimonials / first person accounts	persons with aphasia & families	SCOPE videos https://www.voutube.com/watch?v=lcQuzGi6LEa
Didactic courses and lecture materials	SLP students	Aphasia Access Academic Modules power points Aphasia Bank resources for teaching
Case studies	SLPs	More Than a Story: My Life Came Back to Life Katie A. Strong , Mary D. Lagerwey , and Barbara B. Shadden
Projects & writing tasks	SLPs	Aphasia Access Academic Modules: 4 Course Modules
Continuing Professional Education	SLPs	Client centered assessment & goal writing in aphasia rehabilitation, (Coppers et al.)
Low- to high-fidelity simulations including standardized patients	All learners	Aphasia simulations (Hinckley) http://aphasiacorner.com/aphasia-simulations/ See also Moineau; Pollens & Lynn
Teach-back, show others	All learners	https://www.ahra.gov/professionals/education/curriculum- tools/shareddecisionmaking/tools/tool-6/index.html
Creative arts: videos/art/music/poetry & dramatizations	All learners	RIC Aphasia Journeys https://www.voutube.com/watch?v=hM5Xddae9do
Self-study	All learners	Communicating with those who know more than they can say LPAA 101: What is the Life Participation Approach to Aphasia?
Coaching / problem solving	Certified Nursing Assistant	Dementia Collaborative Coaching Empowering Nursing Assistants and Rethinking Skilled Therapy (Douglas)
Experiential learning, role play, and demonstration	Health and rehalb professionals	Educating the Community About Aphasia: Experiential Learning Approaches. (Hinckley et al.)
Games	Interprofessional Team	Hiccup Hospital (customized questions can be added) http://www.hiccuphospital.com/

Reading and Listening and Thinking





AphasiaBank

immunication in aphasia. Access to the data aBank consortium group.

1 in joining the consortium should read the in and affiliation. Please include a brief i using the data should ask their faculty i6. AphasiaBank is supported by NIH-NIDCD



Topics

Videos about Aphasia

Related Sites

Discourse Analysis

Gesture Analysis



Teaching

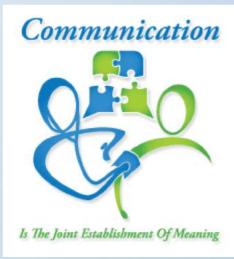
Grand Rounds -- students

Grand Rounds -- videos only

Examples

Classroom Activities





Watching and Discussing

First person experiences

Adler Aphasia Center



Demonstrations

Aphasia Access videos



Movies about aphasia



Practicing in Simulations



Role-playing with peers

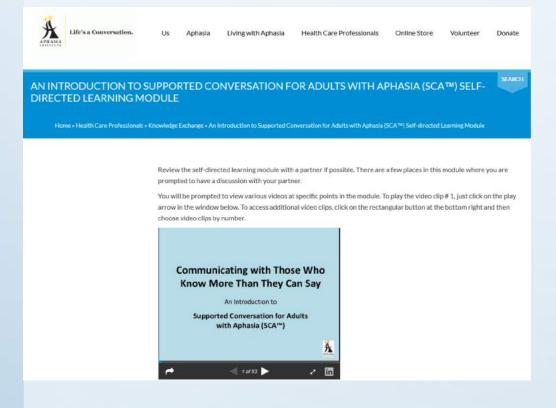
On-line experiences

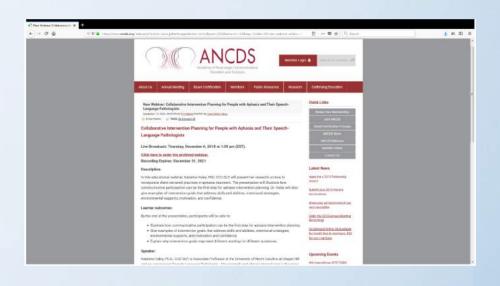
Interprofessional education simulations with standardized patients

Virtual reality simulations?

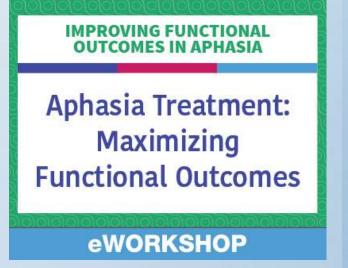
Completing Webinars

Online/self-paced instruction









Reviewing Case Studies



Applied learning/meaningful, "real-world" contexts



- Web-based master clinician models
 LPAA ?

Textbook examples

Instructing by PWA



- First person stories / narratives
- PWA teaching others
 - -Scope



Coaching and Problem Solving



Collaborative Coaching (Douglas, 2018)

Playing Games



Innovating and Creating TODAY

Rochelle Cohen-Schneider - Teaching LPAA in Caterina Staltari - Preparation for Aphasia the Field: A curriculum for students Group Treatment in a University Clinic Amy Engelhoven, Megan Sherod, & Janet Jerry Hoepner & Tom Sather - Course Whiteside - Building Student Learning and Embedded Clinical Experiences: Meaningful LPAA interventions delivered by students Community Participation in Persons with who learn in the process Neurological Injury Juliana Ruth Powell - Aphasia Focused Melinda Corwin & Carolyn Perry - Hospital Standardized Patient Simulation and Simulation and Interprofessional Education for Future Health Care Professionals Communication Partner Training for Healthcare Providers Interacting with Persons with Aphasia Esther Kim & Andrea Reulling - Experiential learning and the LPAA: A guide for facilitators



Write/Share

Take a minute or two to identify one tool, resource, or idea from today's session to incorporate into your work setting.

As time permits, share with a neighbor.

Looking Forward...



User Survey

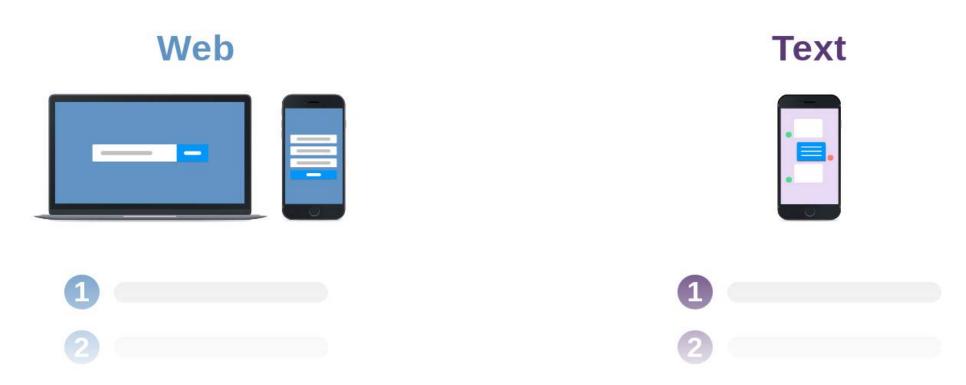
- To identify additional needs & guide future working group projects
- Link on the Academic
 Modules page, or accessed
 directly here:
 https://www.surveymonkey.c
 om/r/MWHS9VP

	you like best abo			
	you like least ab	out the module(s)	7. Write in the sp.	ace below.
		s support you in te	eaching others at	oout LPAA? Wri
7. How could the space be		a support you in te	eaching others at	oout LPAA? Wr
		s support you in to	eaching others at	oout LPAA? Wr
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8: May we co	elow.		eaching others at	oout LPAA? Wr
8: Hilly we co	elow.	edback?	eaching others at	oout LPAA? Wr



Share your suggestions & identify needed teaching tools

How to join





The End...

...for now!

See you in 2021 with the next phase, based on our discussion today.

THANK YOU!

References

Coppens, P., Cunningham, K., Hinckley, J., Patterson, J. (2018, November). Client centered assessment & goal writing in aphasia rehabilitation. Paper presented at the annual meeting of the American Speech-Language-Hearing Association, Boston.

Douglas, N. (n.d.). Dementia Collaborative Coaching Empowering Nursing Assistants and Rethinking Skilled Therapy.

Gauvreau, C. A., & Le Droze, G. (2018, August). Engaging speech-language pathologists in a community of practice about participation-based aphasia rehabilitation. *Aphasiology*, 67-69. doi.org/10.1080/02687038.2018.1485850

Guffey Page, C., Marshall, R., Howell, D. & Rowles, G. D. (2018) Use of communication plans by certified nursing assistants: little things mean a lot, *Aphasiology*, 32(5), 559-577, DOI: 10.1080/02687038.2017.1376307

Hiccup Hospital. (2018). http://www.hiccuphospital.com/

Hinckley, J., Welsch, J., Szabo, G., Holland, A., & Todic, O. (2011). Educating the Community About Aphasia: Experiential Learning Approaches. Presented at the annual meeting of the American Speech-Language-Hearing Association, San Diego.

Horton, S., & Pound, C., (2018, March) Communication partner training: Re-imagining community and learning. *Aphasiology*, 1250-1265. doi.org/10.1080/02687038.2018.1482407

Kimbarow, M. (Ed.) (2007). Life Participation Approaches to Aphasia Therapy: Theory and Practical Applications. *Topics in Language Disorders*, 27(4), 295-377.

References

Moineau, S., Bennett, D., & Scheer-Cohen, A. (2018.) Aphasia simulation: A perspective from the student and standardized patient. Teaching and Learning in Communication Sciences & Disorders, 2(1), Article 6. DOI: doi.org/10.30707/TLCSD2.1Moineau

Northwest Center for Public Health. (2014). Effective Adult Learning: A Toolkit for Teaching Adults. University of Washington, School of Public Health. https://humanservices.ucdavis.edu/sites/default/files/Adult-Education-Toolkit Updated 022814.pdf

Page, C.G., Marshall, R.C., Howell, D., & Rowles, G.D. (2018) Use of communication plans by certified nursing assistants: Little things mean a lot. *Aphasiology*, 32(5), 559-577. DOI: 10.1080/02687038.2017.1376307

Pollens, R., & Lynn, M. (2011). Social work and speech pathology: Supporting communication in palliative care. In Altilio, T., & Otis-Green, S. the Oxford Textbook of Palliative Social Work (eds.) Oxford University Press. 483-487.

Strong, K., Lagerwey, M., & Shadden, B. (2018, March). My life came back to me. American Journal of Speech-Language Pathology, 27, 464-476.

Troyna, A. & Douglas, N.F. (2018). Positive behavior changes in certified nursing assistants after facilitative coaching intervention. Annual Convention of the American Speech-Language-Hearing Association, Boston, MA.

Vandenberg, L. (2018). Facilitating adult learning: How to teach so people learn. https://www.canr.msu.edu/od/uploads/files/PD/Facilitating_Adult_Learning.pdf

Walden, P. (2018). Adults' clinical learning behaviors: Lessons for academic & clinical educators. Presentation at the annual meeting of the American Speech-Language-Hearing Association, Boston.