

Healthcare Committee

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Understanding and Managing Anosognosia: Strategies for Speech-Language Pathologists MSHA 2025

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- Medical SLP with expertise in adult neurogenic communication disorders
 Certified Brain Injury Specialist Trainer (CBIST) and Brain Injury Fundamentals Trainer for Hope Network Neuro Rehabilitation
- (HNNR)Current coordinator of the Aphasia Communication Enhancement (ACE) Program at Western Michigan University (WMU)
- MSHA Healthcare Committee & Member-At-Large for SW Michigan
- Brain injury survivor 9 months post-mild TBI
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KILEY KRZYSTOFIAK, B.A.

- 2nd-year SLP graduate student at WMU (Almost there!)
- Clinical experience in:

 AAC, Articulation, Cognitive Impairment, Expressive/Receptive Language, Pragmatics,
- Swallowing and Voice

 Current externships:

 o Hope Network Neuro Rehabilitation
- Crescent Minds Speech Therapy • Interest in pursuing Private Practice















Why Do We Ask That?

Ramsey & Blake (2020) published an article regarding SLPs' preparedness to diagnose and treat cognitive-communication disorders (CCD) following right hemisphere damage (RHD):

- $\circ~66\%$ of SLPs reported that they do not have adequate materials for diagnosing CCD after RHD.
- 80% of SLPs diagnose awareness, pragmatics, and prosody only through observation, rather than using standardized assessments.
- The average confidence level in diagnosing CCD after RHD was 7.7 on a 1-10 scale, indicating moderate confidence despite limited assessment tools.



Defining Anosognosia

The **reduced** capacity to *identify or credibly judge* one's own **abilities** and **deficits**.

- Reduced awareness.

From the Greek: **a**, without; **noso**, disease; **gnosia**, knowledge "Not knowing disease"

Three key factors define anosognosia: (COMPARENT (COMPARENT)) (1) Underreporting of striking symptoms or disability; (2) A tendency toward positive self-evaluation; (3) They may ignore signs of difficulty and fail to notice their own mistakes.

Awareness Falls within What is Considered Our Executive Functions

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Types of Awareness Implicit Awareness • Unconscious or automatic understanding. • Does not require deliberate thought. • Often demonstrated through actions or behaviors rather than verbal acknowledgment. • Example: A patient with left-sided weakness only uses their right hand but insists both hands work fine, despite being left hand dominant prior to their injury. Explicit Awareness • Conscious and deliberate recognition of their deficit(s). • Requires verbal acknowledgment. • Example: A patient when scanning.





Functional Impact of Anosognosia

Reduced motivation & engagement

- Individuals with low self-awareness show less motivation in rehab (Fleming et al., 1998).
- May resist treatment and support, leading to worse outcomes (Katz et al., 2002; Ownsworth & Clare, 2006).
- Limited use of compensatory strategies
- Less likely to apply strategies post-discharge without structured support (Ownsworth et al., 2000).
 Increased risky behaviors at home (Starkstein et al., 2007)
- Less safe driving behavior (Gooden et al., 2017)
- Increased levels of caregiver burden and distress (Chesnel et al., 2018; Koskinen, 1998)
- Poorer post-discharge outcomes (Geytenbeek et al., 2017; Hurst et al., 2020; Kelley et al., 2014):
 - · Psychosocial integration
 - · Vocational success
 - · Independent living

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Case Example

James, a 31-year-old male, sustained a moderate-tosevere traumatic brain injury (TBI) following a motor vehicle accident (MVA) approximately 15 months ago. He was the solo driver of his vehicle and collided with a tree at high speed. He experienced **diffuse axonal injury (DAI)** and

frontal-temporal damage. Following the accident, James underwent acute rehabilitation and transitioned to a residential TBI program where he received a minimum of 15 weekly hours of skilled PT, OT, ST, social work, TREC, and psychology services.

He is maried with 4 school-aged children. At the time of injury, he was working as a truck driver and was the **primary earner** of his household.

































Comparisons of Self-Ratings with Informant Ratings



- 4. Informant Reports and Ratings Caregivers and clinicians report awareness discrepancies
- 5. Functional Implications or Consequences Care team to help identify real-world safety concerns
- Presence of Other Phenomena Informants highlight co-occurring cognitive, emotional, or behavioral issues that the patient may not recognize or acknowledge.
- How We Accomplish Awareness Questionnaire (AQ) or Patient Competency Rating Scale (PCRS) informant forms Comparing patient self-ratings vs. caregiver ratings vs. clinician ratings Clinician and caregiver reports of daily difficulties (e.g., medication management, financial responsibility).

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Implicit and Explicit Awareness

Level of Awareness	Assessment Approach
Implicit Awareness (Adjusts behavior but does not acknowledge deficits)	Have the patient complete a real-life task Observe whether they adjust behavior for their deficit If they adjust behavior but deny impairment, it may indicate implicit awareness only.
Explicit Awareness (Can verbalize challenges / deficits)	Use guided interviews and questionnaires Compare their responses to caregiver reports or observed behavior. If they can accurately describe challenges, it indicates explicit awareness (must be assessed across modalities!)

Comparisons of Self-Ratings with Objective Scores

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Treatment – No Awareness

Unable to recognize any deficit or problem

Establishing trust

Environmental modifications and supervision support

- Resist confrontation
- Redirect as necessary
- Slowly provide education

Our role isn't to force awareness—it's to create a safe space where they feel supported enough to start recognizing challenges and accepting help.

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Current	Signs They Are Ready to Progress	How to Test Readiness
	 Shows some acceptance of structured routines or external supports, even if they don't acknowledge deficits. 	 Use gentle education and indirect feedback: Provide factual observations without confrontation.
No Awareness (Unable to recognize any deficit or problem)	 Begins to engage in discussions about tasks, even if they do not recognize difficulties. 	 Continue to introduce simple external supports (e.g., a checklist or schedule) and observe if they accept or resist it.
	 Starts to show frustration or confusion when tasks don't go as expected, which may indicate a growing awareness that something is different. 	 Provide structured opportunities to compare past and current abilities: Ask neutral questions like, "How do you think that went?"
	 Occasionally questions why they are in therapy or asks about their condition, signaling curiosity. 	 Observe emotional responses: If they start reacting to task difficulty (e.g., frustration, hesitation), they may be starting to recognize a problem exists.



Treatment – Intellectual Awareness

Knows there is a problem, but can't identify when it happens

Key elements: • Establishing trust



- Introduce motivational interviewing techniquesRepetitive education
- Labeling and terminology: label unawareness as a problem!
- Use of external compensatory strategies
- Providing feedback following any manifestation of problems
- Group therapy

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Motivational Interviewing



- A person-centered and directive counseling approach.
- MI increases readiness for change by helping clients to examine and possibly even resolve their ambivalence about change (Rollnick & Miller, 1995).
- MI is particularly useful **for clients with poor selfawareness** due to either anosognosia or denial (Medley & Powell, 2010)





Education and Feedback



- Education & feedback should be structured and supportive.
- Use visual aids, video reviews, and guided questioning to improve self-awareness.
- Caregivers play a key role in reinforcing insights gained in therapy.
- Feedback should **always encourage reflection** and **problem-solving** rather than just correction.

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Current	Signs They Are Ready to Progress	How to Test Readiness
Intellectual Awareness (Knows they have a problem but doesn't recognize it in real-time)	 Begins to acknowledge specific difficulties when prompted (e.g., "I think my memory isn't great"). 	- Use structured reflection : Ask after a task, "What was difficult about that?" and check if they recognize errors .
	- Starts to accept feedback about deficits rather than rejecting or minimizing them.	 Compare self-ratings vs. clinician ratings over multiple sessions to see if self-awareness is improving.
	 Shows increased curiosity about their condition and asks about strategies. 	- Use video playback or journaling to help them reflect on mistakes.



Experiential Learning

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- A broad learning theory where individuals gain knowledge through direct experience, reflection, and active experimentation (Kolb, 1984)
- With experiential learning, we place our patient in a structured task where they can experience the difficulty firsthand.
- Predict-Perform-Evaluate (PPE) Model (Cheng & Man, 2006)

Step 1: Predict Before starting the task, answer the following: What do you think this task will involve? How difficult do you think this task will be for you? What challenges do you think you might face while doing	Step 3: Evaluate After completing the task, reflect on your performance: How do you think you did compared to your initial prediction? What parts of the task went well? What parts were challenging?
 What strategies will you use to complete the task successfully? 	What could you do differently next time to improve? What strategies will you use in the future to help with similar tasks?
Step 2: Perform During the task, use the space below to note observations: Did anything unexpected happen while completing the task?	Therapist Notes & Feedback: Final Reflection
 Did you use the strategies you planned? Why or why not? Were there moments when you noticed challenges? How did you handle them 	Overall, how much did this exercise help you understand your abilities? Not at all A little Somewhat A lot Extremely







Treatment – Anticipatory Awareness

Recognizes when problems will happen and can take preventative action

Continue same principles for treatment in intellectual and emergent awareness, but add:

- · Independent use of strategies
- · Increased complexity of problem-solving tasks
- · Utilize role-playing and scenarios to reinforce anticipatory planning (e.g., handing distractions or adjusting plants)
- · Gradually reduce clinician support, allow the patient to use and adjust strategies independently
- · Clinician shifts role as postures as a 'coach'

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James - Treatment

At the start of treatment, he demonstrated intellectual awareness (could state that he had a brain injury) but did not recognize when his deficits impacted daily life but did endorse some memory challenges.

Goals of Treatment: •Establishing trust with caregivers and clinicians

•Education on his brain injury and providing gentle, structured feedback. •Strengthen **emergent awareness** (recognizing deficits in real time) •Improve functional use of external memory strategies •Provide family training to support a safe discharge

Final Outcomes & Clinical Implications:

A Progressed to emergent awareness in the cognitive domain – Recognized deficits in specific moments but struggled with consistency and carryover. ✓ Vocational therapy set up for confinued success – 3 months after discharge, James began working part-time in a supported setting and is still seeing neuropsychology for sessions.

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Summary: Determining When to Move a Patient to the Next Level of Awareness

- Progressing a patient from intellectual \rightarrow emergent \rightarrow anticipatory awareness requires structured observation, feedback mechanisms, and functional outcomes.
- · We (clinicians) are always working forward and backwards within levels
- Moving too quickly can lead to frustration and disengagement
- · Staying too long at one level can limit progress

When NOT to Move to the Next Level: If the patient relies entirely on clinician feedback and does not recognize deficits independently. If they show resistance to discussing errors or reject feedback. If their functional performance declines after removing external supports. If caregivers report no change in real-world behaviors, even if progress is seen in therapy.

Biggest Takeaways

- Anosognosia is a complex, multifaceted disorder

 It looks very different from person to person
 "If you've met one person with anosognosia, you've met one person with anosognosia."
- · Assessment is comprehensive and interprofessional
- · Treatment needs to remain flexible and person-centered
- · Maintaining a therapeutic alliance is important for outcomes

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REFERENCES

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