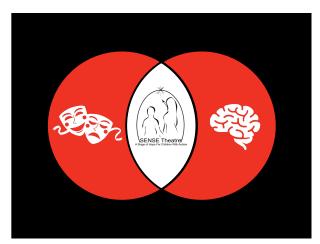


Transformative Approach From Theatre to Therapy

- Prior to going to college and eventually becoming a psychologist, I was a professional actor and writer.
- Acting was transformative:
 - It enhanced my social communication
 - Increased my perspective taking of other people's experiences
 - Gained confidence in interacting with others



Translational	Approach
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From Research to Treatment

- ▶ Children with ASD often have difficulty socially interacting with peers especially as they get older (Corbett et al., 2010; 2012; Schupp et al., 2013)
 - Include peers in the intervention
 - ▶ Provide a supportive, fun environment to learn social skills
 - Create real world opportunities for practicing social skills

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Translational Approach

- ▶ Benign social & nonsocial situations may be stressful e.g., (Corbett et al., 2008, 2010)
 - ▶ Provide a supportive learning environment to reduce stress
 - Performance-based direct skills training taught by having fun with others
 - Create real world opportunities for practice with different people, individually and as a group

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Translational Approach

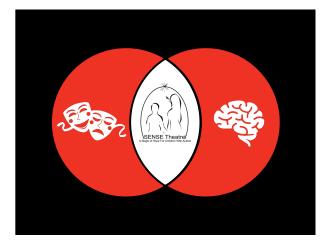
- Perception skills may be intact but the integration and expression may
 - Develop skills through action, imitation, practice
 - Build in mechanisms for generalization

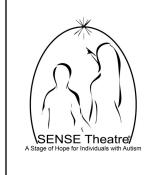
 transfer skills to the real world using
 peer and video modeling at home (Corbett,

 2003, Corbett & Abdullah, 2005)
 - Practice through role-play with peers (Corbett et al., 2011)

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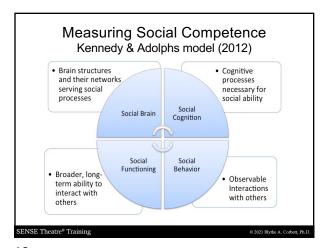
SENSE Theatre® is a unique intervention research program designed to improve the social and emotional functioning of children, adolescents, and adults with autism and related neurodevelopmental disorders.

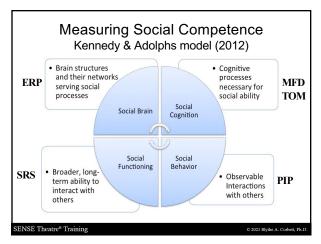
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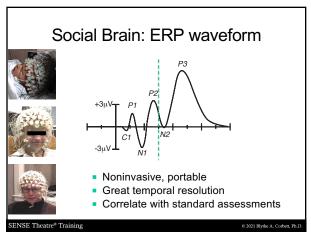
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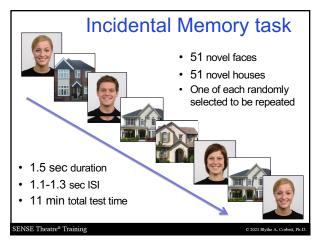


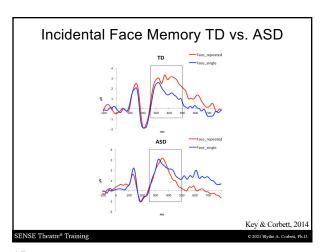


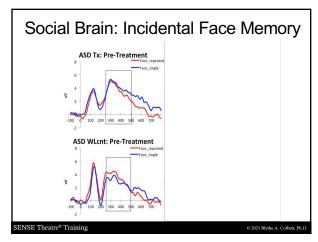


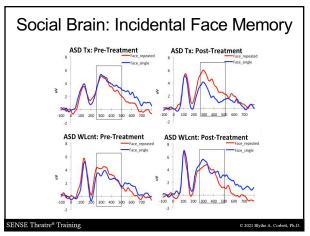


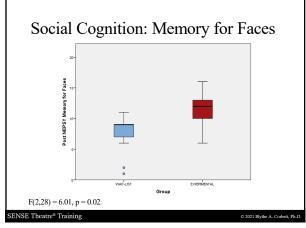












Social Behavior: Peer Interaction Playground (PIP) Paradigm

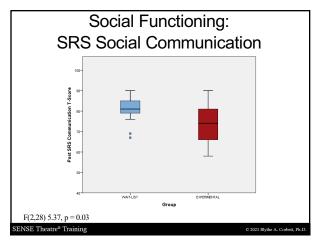
- 1st exposure with two novel confederate TD children
- Post-treatment, 2nd exposure with a *familiar* and a novel TD
- Results show significant difference between EXP and WLC for group play F(2,28), 4.35, p = 0.04.



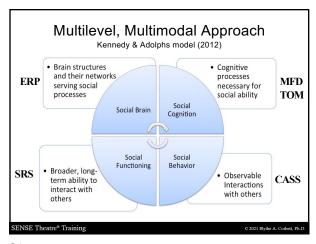
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Peers, Play, and Performance to Build Social Salience in Autistic Youth:

A Multisite Randomized Clinical Trial (2023)

Blythe A. Corbett, Susan White, Matthew Lerner, Kristopher J. Preacher, Mark E. Klemencic, Grace Lee Simmons, Jennifer Pilkington, Philip Gable, Ayla Gioia, & Alexandra P. Key

Treatment: EXP: SENSE Theatre® compared to ACC: Tackling Teenage Training.

Design: Pretest, Posttest, Follow-up. **Participants**: 290 randomized to EXP (*N*=144) or ACC (*N*=146). Final sample 207 autistic children 10-to-16 years.



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SENSE Theatre® Summary

- The theatre-based intervention contributes to improvement in core areas of social ability for individuals with ASD.
- Improvement shows increased salience (importance) for social information (faces) even in the absence of direct instruction (teaching social rules).
- Highlights the importance of peers, play and performance.

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SENSE Theatre[®] is based on Peers, Play and Performance

- Peers: peer-mediated intervention by highly trained typically developing peers (Odom & Strain, 1984). Peers are the target and interventionist.
- Play: Important for development, facilitates motivation to participate (Piaget & Inhelder, 1969), reciprocal interaction.
- Performance: Live and video modeling (Corbett, 2003), active engagement, and practice contributes to generalization of skills.



Peer Mediation in SENSE Theatre®

- Trained peers offer a supportive context in which to learn in community settings.
- Peers often benefit from providing support to others.



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Social Support & Inclusion

- The peers and actors provide a foundation of social support and inclusion.
- Peers participate in training to learn about autism, the SENSE model and behavioral strategies.



Inclusion on and off the stage

- SENSE Theatre® embraces a model of inclusion on and off the stage.
- Several collaborators, (e.g., musicians, writers, actors) are on the spectrum or have family members with ASD.



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Behavioral Techniques:

- Shaping (gradual learning)
- Intrinsic reinforcers (praise)
- Extinction (planned ignoring)
- Prompting (guiding)
- Peer modeling (social examples)



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Application to the Classroom

- Identify peers that can offer a supportive context in which to learn in community settings.
- Remember, peers often benefit from providing support to others.
- Peers can learn basic behavioral techniques to support autistic learners.



Play and Development

- Play is critical for the development of social, cognitive, emotional and motor skills (Boucher, 1998; Pellegrini & Smith, 1998).
- It is essential to healthy brain development.



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Theatre: A Safe, Supportive and Creative Space

- Theatre provides a safe, supportive and creative space to engage in reciprocal social interaction.
- Theatre allows us to behave in ways everyday life does not always allow.



Theatre Techniques:

Implemented by TD actors as "expert models"

- Theatre Games
- Improvisation
- Role-Playing
- Scripting
- Singing
- Choreography
- Character work
- Performing a musical play



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Video Modeling

- Video modeling has yielded better results than live modeling in some people with autism (Charlop-Christy, Le, & Freeman, 2000; Haring, Kennedy, Adams and Pitts-Conway, 1987).
- Improve emotion perception (Corbett, 2003)
- Restrict field of view, facilitates repetitive learning, enhances generalization, children inherently motivated by medium (Corbett & Abdullah, 2005)

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Observational Learning Bandura, 1986

Four processes necessary for observational learning (learning by observing others)

- 1. ATTENTION 2. RETENTION
- 3. PRODUCTION 4. MOTIVATION

Video Modeling Facilitates Observational Learning in autism by:



• Attention: selectively focusing autistic child's behavior on relevant stimuli

Retention:
maintain learned
material through
repetition

Corbett & Abdulla 2005

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Video Modeling Facilitates Observational Learning by:



- Production: reproducing observed behavior through rehearsal and practice
- Motivation: rewarding all attempts and progress

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Application in the Classroom

- Theatre provides a safe, supportive and creative space to engage in reciprocal social interaction.
- Theatre approaches (e.g., role-playing, singing, creating a character) teach social skills in a fun and engaging way.
- Video modeling compliments and enhances observational learning.



Performance

Acting relies on active engagement with at least one other person in reciprocal conversation and action.



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Acting is Active

Acting with others is active not passive.

It requires a collaborative effort in which the telling of the story and performance of the songs is interdependent.



Rehearsal

Rehearsal is necessary for "automaticity" or to make skills part of our natural repertoire.



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Improvisation

Practice in theatre gives the opportunity to experiment and try new things in a safe, supportive and inclusive environment.



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The Show



Performance in front of an encouraging audience can be reinforcing and confidence-building allowing the skills to generalize to other settings.

Application in the Classroom

- · Acting is performance-based learning to extend and enrich education-based lessons.
- Rehearsal and improvisation provide opportunity to experiment, try new things.
- · Performance in front of fellow students in a supportive setting builds confidence.

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Big Ideas

- · Children with ASD can experience diverse challenges in social competence.
- Theatre has the potential to serve as a novel therapeutic approach to teach essential social skills.
- SENSE Theatre®, a peer-mediated, theatre-based intervention research program can enhance social competence in children, adolescents and adults with autism.
- SENSE Theatre® features key components which include peers, play and performance.
- Blending the innovation of art and rigor of science can make a meaningful impact as to how we interact with the social world.

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VANDERBILT KENNEDY CENTER

FOR RESEARCH ON HUMAN DEVELOPMENT

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