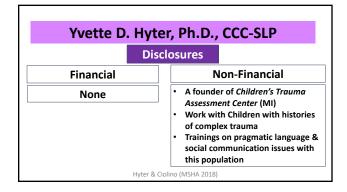
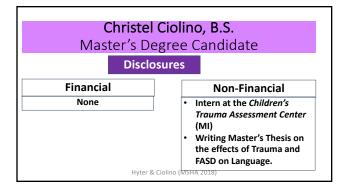
Pragmatic Language, Social Communication & Trauma-Informed SLP Practice

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From the first draft of the Declaration of the Rights of the Child

The whole world stands to lose if the children of any nation grow up degenerate and demoralized through hunger (*and violence, and trauma*) and the whole world stands to gain if they grow up strong and healthy, able and willing to work for the good of their fellow people (UNICEF, 1993, p.4).

NOTE: The italics are our additions to the original quote

Hyter & Ciolino (MSHA 2018)

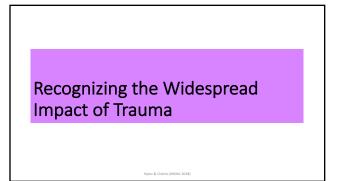
Topics

- Emphasize the importance of services from SLPS from a trauma-informed perspective
- The consequences of complex trauma for communication
- Model of Trauma Informed Care
- Current pragmatic language & social communication data
- Implications for assessment and intervention Hyter & Ciolino (MSHA 2018)

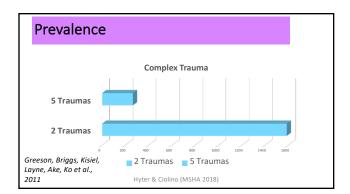
Trauma-Informed Practice

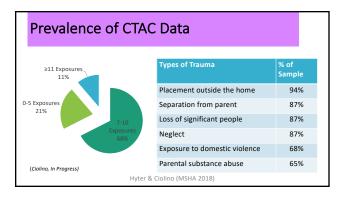
- 1. Realizes the widespread impact of trauma
- 2. Recognizes signs and symptoms
- 3. Responds by integrating knowledge
- 4. Actively resists re-traumatization

SAMHSA, 2015 Hyter & Ciolino (MSHA 2018)





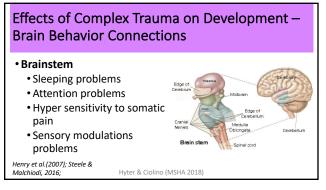


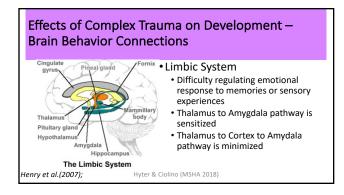


Additional Data	about CTAC Participants	
Participant Demographics	n=79	Male: 48% (n=38) Female: 51% (n=41)
Age	5;3 to 15;10 m=9.92 years	56.80% (n=45) btw 9.07 and 15.11
KBIT-2 Composite Score	Range: 64 to 126 m=94.90	44.3% btw 86 and 100 32.9% btw 100 and 126 *58% had a diagnosed attention disorder
Number of Trauma Exposures	Range: 2 to 14 m=7.94	68.40% had btw 7 and 10 21.50% had btw 0 and 5
(Ciolino, in Progress; Hy	ter & Ciolino, 2017)	Hyter & Ciolino (MSHA 2018)

 Children with maltreatment exposure are seven times more likely to be referr services than the general population use special education services at highe general population. 	red for SLP
general population.	r rates than the
F (y to experience Sedlack & Basena (2014); Henry, Black-Pond, & Sloane 2007); Jonson-Reid, Drake, (im, Poterfeild, & Han (2004)



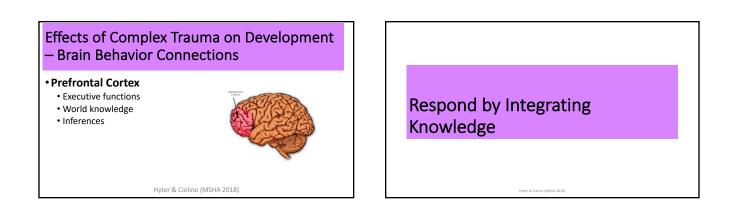


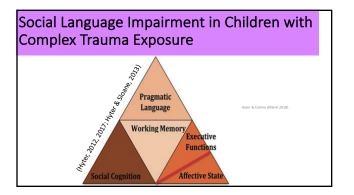






- Cognitive supports for pragmatic language and social communication
- Visual imagery
- Spatial abilities



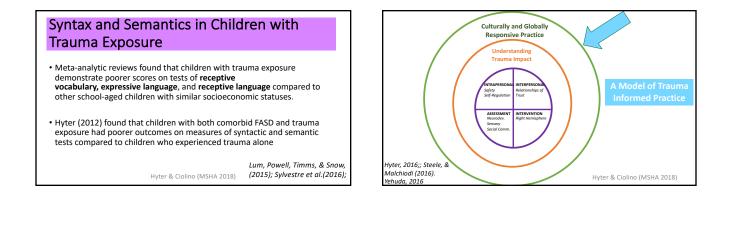


Pragmatic Language Skills of Children with Trauma Exposure

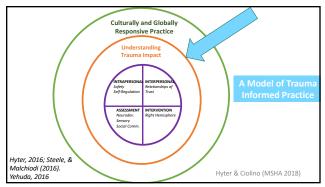
A meta-analysis found that children with trauma exposure scored lower than controls on standardized tests of pragmatics Experimental Evidence of....

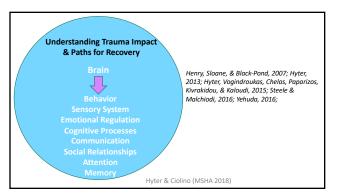
- Difficulty using various communicative functions
- Decreased conversational abilities
- Decreased Narrative cohesion and coherence
 - Demonstrated negative bias when retelling stories

Ayoub et al. (2006), Ciolino, In Progress, Hyter (2012); Manso, Sanchez, Alonso, Romero, & Merino (2016); Sylvestre Bussieres,& Bouchard, (2016)









Introducing Angelique (Hyter, 2012)

Angelique is a nine year-old child who has been living in an adoptive home since she was five years-old. Angelique 's biological parents have a history of drug and alcohol abuse, affecting their ability to parent. Angelique was removed from her biological home as a result of significant neglect and physical abuse. Her history details multiple visits to the hospital emergency room with fractured bones, and she was described as being emaciated prior to adoption. Sexual abuse was suspected but not substantiated.

Hyter & Ciolino (MSHA 2018)

Angelique's Cognitive and Behavioral Profile

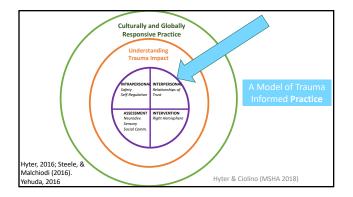
Angelique's adoptive mother has been concerned about her behavior since she was adopted, but in the last year, Angelique's **behavior has become increasingly violent, including homicidal threats, stealing, running away, and being disruptive in school**. Angelique's adoptive mother describes her as...

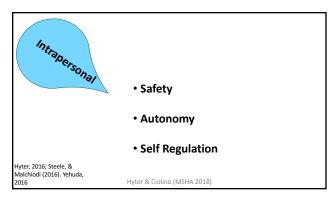
Hyter & Ciolino (MSHA 2018)

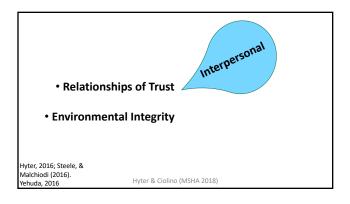
- "willing to go with any man"
- having no friends
- a literal thinker
- argumentative
- unable to separate fact from fiction

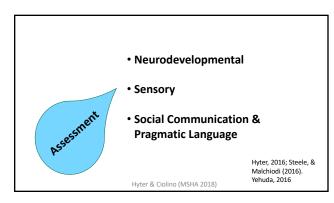
Angelique's Cognitive and Behavioral Profile Continued...

- Similarly, the psychologist treating Angelique is concerned about her...
 - inflexible thinking
 - · limited ability to think abstractly
- Angelique said that she does not steal, but finds things that "happen to fall out of [people's] backpacks (Hyter, 2012)."









CELF-5 Screening Test Results

• Overall High Pass-Rates:78.95% (n=60) Passed

 Older children demonstrated high rates of individuals with difficulty on Sentence Assembly and Word Classes Subtests

• Younger children did not have any elevated scores on their age-specific subtests

 All ages took subtests that assessed both working memory and syntax-many children had elevated percent error scores on these subtests

(Ciolino, In Progress)

CELF-5 Screening Test Results (Ciolino, In Progress)		
Subtest	Ages assessed	Percent of participants with elevated percent error scores
Word Structure	5-8 yrs	n=6 (17.64%) had ≥56% error
Word Classes	5-8 yrs	n=5 (14.71%) had ≥60% error
Following Directions	5-21 yrs	n=31 (40.26%) had ≥60% error
Recalling Sentences	5-21 yrs	n=26 (33.33%) had ≥57% error
Sentence Assembly	9-21 yrs	n=28 (62.22%) had ≥50% error
Semantic Relationships	9-21 yrs	n=10 (22.22%) had ≥ 57% error
Word Classes (Second Version)	9-21 yrs	n=21 (46.67%) had ≥50% error

PP-R Results (Clolino, in Progress)			
PP-R Discourse subtest	Age assessed	% with z- scores ≤ -1.0	% Participants with difficulties
Conversation	5 to 15 yrs	16.39% n=10	 Quantity: 26.23% (n=16) Relation: 26.98% (n=17) Manner: 20.00% (n=13)
Narrative Retell	5 to 15 yrs	18.18% n=10	 Cohesion: 33.89% (n=20) Coherence: 29.82% (n=17) Landscape of Consciousness: 51.67% (n=31)
*Expository Discourse	9 to 15 yrs	22.22% n=4	 Content: 44.44% (n=8) Structure: 42.11% (n=8 Coherence: 52.63% (n=10)

PP-R Perspective Taking subtest	Age assessed	% of Participants with Impaired Scores
First Order Crayon Box Test (content)	4;0 to 6;6 yrs	28.57% (n=2)
First Order Ball Test (location)	4;0 to 6;0 yrs	50.00% (n=3)
First-Order Beliefs	6;7 to 15;0 yrs	22.38% (n=15)
Second-Order Beliefs	6;7 to 15;0 yrs	52.17% (n=36)
Strange Stories	9;0 to 15;0 yrs	9.52% (n=4) Additional Areas of Deficit : Sarcasm: 21.95% (n=9) Joking: 35.14% (n=13)

Implications of Data Analyses for Future Assessments	
Go Beyond Basic Screening Tests	

Angelique's Social Communication Profile

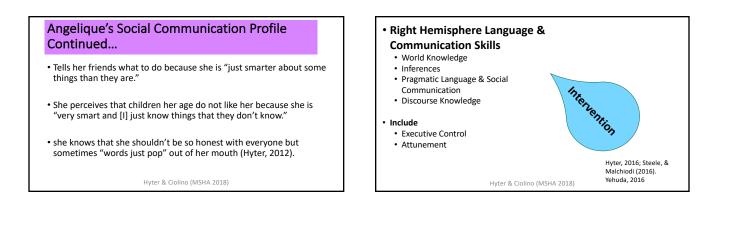
Angelique describes herself as...

- not being well-liked by her peers
- very honest and tells others exactly what she thinks because "that's the only way to be, honest."

She reported that ...

- She is "betrayed" every day by her friends and parents
- People play tricks on her and accuse her of stealing from them

Hyter & Ciolino (MSHA 2018)



Intervention Recommendations

Department of Health and Human Services Administration of Children and Families (2015) calls on professionals to help survivors of maltreatment develop protective factors including...

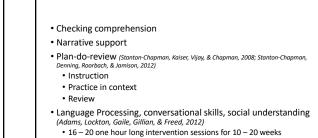
- "Youth resilience"
- "Social connections"
- · "Concrete support in times of need"
- "Cognitive and social-emotional competence in youth"

* Educating other team members about the effects of complex trauma are critical in this process

Recommendations for Intervention Continued

- Provide intervention for pragmatic language, syntax, and executive functioning
- Help children build vocabulary words for emotions and use landscape of consciousness in narratives to share their traumatic experiences
- Collaborate with social workers and those treating trauma directly to help them create trauma narrative and complete other aspects of trauma-focused cognitive behavioral therapy

Intervention Considerations Intervention needs to take into account the holes that trauma rents in children's affective, relational, and communicative world (*Vehuda*, 2016, p. 185). Establishing safety – predictability makes the child available for learning Reciprocity – foundation for social connection, regulation, and learning (*Vehuda*, 2016, p. 187) Emotional States Causation & consequence Making predictions Hyter & Colino (MSHA 2018)



• Modeling behavior, role play, modeling inappropriate behavior, role play

 Culturally and Globally Responsive Practice

 Understanding Trauma Impact

 Virtually and Globally Responsive Practice

 Understanding Trauma Impact

 Virtually and Globally Responsive Practice

 Matching Social Comm.

 Hyter, 2016; Steele, & Matchioli (2016); Vehuda

 Hyter & Ciolino (MSHA 2018)

Importance of Language Intervention...

Children with trauma exposure have a significantly greater risk of...

- Mental illnesses
- Court Involvement
- Low academic achievement

Cecil, Viding, Barker, Guiney, & McCory (2014); Greenson, et al., 2011; Ryan & Testa (2005); Shonk & Cicchetti, (2001)

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