

ACT's Focus on Research Conference 2023

Sensory Features and Anxiety in Autism: Implications for Families and Practitioners

A two-day in-person and virtual conference hosted by ACT

Thursday, April 27, 2023 Friday, April 28, 2023

Distinct Expressions of Anxiety in Autistic Individuals (and Why They Matter)

Presented by Connor Kerns, PhD

Territorial Acknowledgement

As visitors on this land, ACT - Autism Community Training is grateful for the opportunity to work and learn on the ancestral and unceded territory of the Skwxwú7mesh (Squamish), xwməθkwəyəm (Musqueam) and səlilwəta? (Tsleil-Waututh) people who have lived in this area since before recorded time. These nations are hənqəminəm and Skwxwú7mesh speaking peoples. The hənqəminəm (Halkomelem) and Skwxwú7mesh (Squamish) languages are part of the Salish Language family, which dates back many millennia. We pay our respects to elders past, and to those present and emerging. As settlers to this land, we are committed to working towards reconciliation.

Simon Fraser University respectfully acknowledges the x^wməθk^wəẏəm (Musqueam), Skwxwú7mesh Úxwumixw (Squamish), səlilwəta? (Tsleil-Waututh), qícaẏ (Katzie), k^wik^wanı́am (Kwikwetlem), Qayqayt, Kwantlen, Semiahmoo and Tsawwassen peoples on whose unceded traditional territories their three campuses reside.

Event Schedule

All times are Pacific Daylight Time (PDT)

Day 1 – Thursday, April 27, 2023

8:15 am	-	9:00 am	Registration / Log on with Zoom Link
9:00 am	-	9:15 am	Introduction by Michelle Schmidt
9:15 am	-	10:15 am	Keynote Presentation by Connor Kerns, PhD
10:15 am	-	10:45 am	Break
10:45 am	-	12:00 pm	Panel: Experiences with Anxiety
12:00 pm	-	1:00 pm	Lunch
1:00 pm	-	3:10 pm	Research Presentations

Day 2 – Friday, April 28, 2023

8:15 am	-	9:00 am	Registration / Log on with Zoom Link
9:00 am	_	10:00 am	Keynote Presentation: Tiffany Woynarski, PhD
10:00 am	-	10:30 am	Break
10:30 am	_	11:45 am	Panel: Early Development & Sensory
11:45 am	-	12:45 pm	Lunch
12:45 pm	_	1:45 pm	Future in Research

Accessibility

ACT is committed to preventing, as well as identifying and removing barriers facing people interacting with our organization. Moving forward, ACT will make every effort to provide real time captioning as well as American Sign Language (ASL) interpreters for all our events.

Acknowledgements

We are grateful to Connor, who will discuss challenges to the detection of anxiety in autistic individuals and provide a rationale for why overcoming these challenges – by recognizing and better understanding the distinct way some autistic individuals experience anxiety – is important for enhancing quality of life for autistic individuals. ACT is thrilled to have Dr. Connor Kerns present on key findings from research to address the challenge of anxiety in autism.

Over the years, those who have attended ACT events know that as we are a small not-for-profit organization, we depend on community collaboration and support to sustain our work. We deeply appreciate the many autistic individuals, parents and caregivers, professionals, and organizations across British Columbia who volunteer their time, donate funds, provide sponsorship, and help spread the word – especially during these challenging times.

Thank you also, to Still Interpreting Inc. for providing ASL Interpretation and Accurate Realtime Inc. for providing communication access realtime translation (CART) services.

Support evidence-based resources – **Donate to ACT!**

Free Resources from ACT

<u>Autism Videos @ ACT (AVA)</u> – Over 80 quality online videos on diverse topics, including Toilet Training, Sleep, Mental Health, IEP's, Research, and much more – all available free, thanks to our sponsors!

<u>ACT's Autism & Intellectual Disability (AID) Search</u> – Keyword search over 2,000 records containing evidence-based, practical information resources in 36 languages sourced internationally, including B.C.-based community resources useful to families and community professionals.

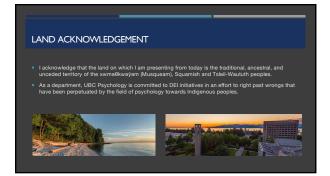
<u>ACT in Chinese</u> and <u>ACT in Punjabi</u> – ACT has been able to both create and identify valuable resources for the Chinese-speaking and Punjabi-speaking communities in British Columbia.

<u>ACT's Autism Manual for B.C.</u> – A manual for parents and community professionals with 13 chapters, including New Diagnosis Process, Contracting with Professionals, B.C. Education System, Building a Community Group, and more!

<u>ACT's Event & Training Alerts</u> – Sign-up to keep in touch with our upcoming events and training opportunities.

<u>ACT's Facebook</u> – ACT carefully sources interesting, insightful stories to inform our community of over 9,000 followers.

Biscarch in this presentation funded by: National institute of Child Health and Human Development National institute of Child Health and Human Development Michael Smith Foundation for Health Research Scholar Award Canadian Foundation of Immovation Award Autism Science Foundation Per shirp Charitable Timus & Adelphi Center for Health Innovation Other funding received: Canadian Institutes of Health Research (CHRI), National Institute of Mental Health (NIMH), Social Sciences and Humanities Research Coardi (SSHRC), Kenneck / Kritger Innovation Fund Disclosures I receive honoraria from published teachook on autism and anviety published by Ellevier, pad consultation for training researchers in gle sessement of smokely devorters in autistic youth and occasional case consultation on traums in autism for practicing diricians and legit teams. In the funure, I will receive a portion of royalties from Oxford University Press related to the sale of the Arrivety Disorders Interview Schedule with Autism Spectrum Additordum (ADIS ASA) protocols and clinical manual.





JENNIFER

"Sometimes, anxiety can build up on itself like a brick on an accelerator pedal - whenever you make a mistake due to anxiety, you become more anxious. It's just something that keeps being in your head and you can't get it out and you can't focus on other things."

-described by Jennifer, an autistic adult from Trembath et al. (2012)

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FROM PARENTS & PROVIDERS

"He shuts himself down, and he goes to bed. He will be in that room for 15 hours"

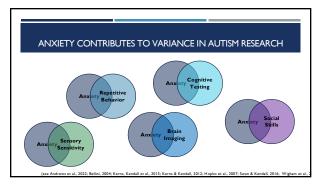
"I am risk assessing where it is appropriate to go . . . and what is safe. I am a single parent, so I have to really think, where we can go, where we can manage and what's safe and as part of that risk assessment I think will there be any dogs. So every time I go out, I consider the difficulties that may arise to minimise the anxiety."

- Parent of autistic adult with few to no spoken words from Tarver et al., (202

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A PROBLEM WITH PROMISE	
58-71% of autistic youth experience remission of primary anxiety disorders after cognitive-behavioral therapy Access is expanding	



To address the challenge of anxiety in autism, we must begin by better recognizing and understanding the diverse ways that anxiety is experienced and expressed by autistic individuals.

FROM RADENITS	
FROM PARENTS	
"Sometimes it's very difficult to understand whether it's an autistic behaviour, or whether it's behaviour caused by anxiety, or both."	-
whether it's bendviour caused by anxiety, or both.	
- Described by mother of an autistic adult from Tarvor et al. (2021). Autism	
	•
10	
"Does that person like me?"	-
"Others were not interested in me the other children ignored me"	
- described by Richard, an autistic adult, from Spain, Yarar & Happe (2020)	
11	
DONALD	
"We brought him to a playground slidewhen other children were sliding on it he would not	
get about it, and when we put him to slide down it he seemed horrorstruck. The next morning when nobody was present, however, he walked out, climbed the ladder and slid down, and has	
slid on it frequently since, but slides only when no other child is present to join him"	
 – a father's description of his son, Donald, from Kanner's (1943) original case series describing autism case series 	

AUDREY & "M"

"I get anxious in social situations as I don't see emotions in people until they get to a 10 \dots and then it's an explosion, and I don't know when it's going to happen"

"a parking lot can be terrifying because of all the headlights..."

- described by an autistic adult, Audrey, in Hamlon, Richdale & Uljavrevic (2018)

"At the beginning of term they drop the first period of the first day. M couldn't sleep that weekend, he has to bring the books in for that period even though he doesn't have it."

- A mother describes her autistic son from Ozsivadjian et al. (2012

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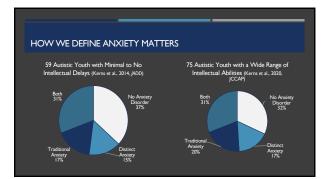
DIVERSITY OF EXPRESSION

Anxiety may come in many different varieties in autism, both similar and distinct from the anxieties expressed by allistic youth



Rose Varieties

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PETER

"Twe been unemployed probably for seven years — with the global financial crisis and all that, it's been hard for a lot of people to get work — not just me. And I hate volunteering — I mean, I need money to survive. So for me, what makes me anxious is just what will happen in the future — the uncertainty of it all, I guess."

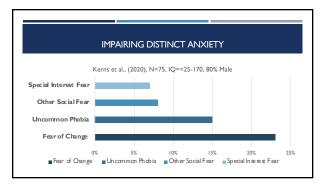
- Description by Peter, an autistic adult, from Trembath et al., 201

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VICTORIA DESCRIBES HER SON

"[He is] concerned about people smoking in that he is worried for their health because I've had to stop him saying 'Smoking is a health hazard' to them all the time. You know, because he was concerned. In fact, he lost a job because he was so upset that other people were smoking near him."

- a mother, Victoria, describes the anxieties of her autistic adult son from Trembath et al. (2012)



UNCOMMON PHOBIAS V. SENSORY SENSITIVITIES

"I have a fear of mushrooms...if you whip one out, I start the physical sensations of fear but it wouldn't bother me [lack of accompanying anxious thoughts], I wouldn't be like 'oh no mushroom is dangerous.' It's just making me feel pain."

- description by an autistic adult, Kathy, from Hamlon, Richdale & Uljavrevic (2018)

- a description of H's anxiety by his parent from Ozsivadjian et al. (2012)

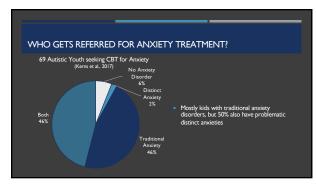
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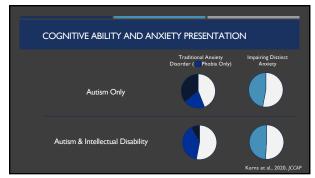
ANXIETY DISORDERS INTERVIEW SCHEDULE WITH AUTISM SPECTRUM ADDENDUM (ADIS/ASA)

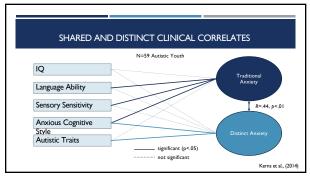
- Semi-structured diagnostic interview for child anxiety disorders adapted for autistic youth
- Conducted with parents by trained clinician
- ASA includes guidelines and additional prompts to
- Differentiate overlapping autism and anxiety symptoms (e.g. social avoidance, sensory sensitivity, perseveration)

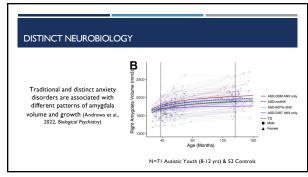
- Inter-rater and retest reliability high across studies (preschoolers teens)
- Evidence for discriminant validity and convergent validity of DSM anxiety

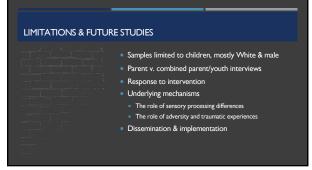












ALFRED "He had a good deal of worrying..." "He frets when the bread is put in the oven to be made into toast, and is afraid it will get burned and be hurt. He is upset when the sun sets. He is upset because the moon does not always appear in the sky at night." - A mother's description of her son, Alfred, age 3 years, from Kanner's (1943) original case series describing autism





