









Slide 1

PZ1 Patrick Zhao, 9/20/2019

Goals

- A brief review of gender diversity (GD) history
- A brief introduction of standard gender care services
- Review of GD in mental health and substance use
- Review of social determinants of health in GD

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HISTORY (4): GD in DSMs and ICDs

- DSM (III to IV-tr to 5): "from transsexualism to gender identity disorder to gender dysphoria disorder"
- ICD-10 to 11: ICD-11 has redefined gender identity-related health, replacing diagnostic categories like ICD-10's "transsexualism" and "gender identity disorder of children" with "<u>gender incongruence</u> of adolescence and adulthood" and "gender incongruence of childhood", respectively;
 - Out of MH and behavioral disorder
 - Into sexual health conditions



























Transition And Care

- Surgical transition or gender reassignment surgery
 - Per WPATH SOC 7, in general, one to two letters from mental health providers, person in transition may be required to be undergoing hormonal and social transition for a period of time.
 - Pre-op requirements
 - BMI requirement
 - Smoking cessation one to three months pre and post op
 - SUD treatment/sobriety
- Feminizing and masculinizing surgeries
- Rate of surgical transition varies

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Trauma and Violence in GD (3)

- 350 transgender people were killed in 2020
- a fifth (22%) of the transgender people murdered were killed inside their own house.
- Sadly, 2020 has seen at least 44 transgender or gender non-conforming people fatally shot or killed in USA (source: HRC website)

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MR. A

The results of Autism quotient 10 items (AQ 10), Empathy quotient 10 items (EQ 10)
 AQ-10: 8

• EQ-10:1

- Neurodevelopmental findings:
 - Speech: "history of delay"
 - Mannerism: " used to banging head and punching self," etc.
 - Sensory: "need something heavy on me. It calms (me) down;... not flowing away." "
 make me feel more secure."
 - Social ability:
 - Eye contact and emotion: "feel awkward." " focused on something behind their faces." " took me awhile to understand the punch line."
 - Interest: "" hobby of national flags." " match flags with country."

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NEURODEVELOPMENTAL ISSUES IN GD (1)

 Compared to cisgender individuals, transgender and gender-diverse individuals have, on average, higher rates of autism, other neurodevelopmental and psychiatric diagnoses

• Baron-Cohen 2020

NEURODEVELOPMENTAL ISSUES IN GD (2)

- Amsterdam Gender Clinic study: 204 children and adolescents
 ASD: 10% of transfeminine and 4% of transmasculine subgroups
 Source: J Autism Der Dir. 2010;40[8].
- ASD: 7% of transfeminine and 3% of transmasculine subgroups
 Source: the STRONG study, Pediatrica. May 2018; Volume 141, number 5. e20173845

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NEURODEVELOPMENTAL ISSUES IN GD (3)

- Baron-cohen and colleagues studied approximately dataset of 650,000
 Compared to cisgender individuals, transgender and gender-diverse individuals have, on average, higher rates of autism, other neurodevelopmental and psychiatric diagnoses.
 - For both autistic and non-autistic individuals, transgender and gender-diverse individuals score, on average, higher on self-report measures of autistic traits, systemizing, and sensory sensitivity, and, on average, lower on self-report measures of empathy
- AACAP recommended ASD assessment while provider working with GD youth

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Eating disorder symptoms IN GD

- Transgender adults and adolescents report higher incidences of fasting more than 24 h, laxative usage, diet pill usage, steroid usage without prescription, dietary restraint, bingeing, purging, and general disordered eating behaviors compared to cisgender peers
- Per STRONG data, in teenage age from 10 to 17 years old, ED in transfeminine and transmasculine was 18% and 28%
- ED screening as a part of comprehensive assessment

MR. A

• DOC: alcohol

- " took me two days to finish a handle." Recently, he drank about one handle per day. " longest sobriety was 50 days when he was in VA CD treatment. " I black out after a handle." "I fell and chipped two front teeth."
- He has had withdrawal seizures x 3 times for the past few months. He was treated for VA hospital for each episode.
- " I remembered I was drinking. I woke up in VA hospital. I was told I overdosed. "
- Now craving is 3.5 of 5

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Social Determinant Of Health And Beyond

- Stigma (or LGBTQ-phobia) and Minority stress theory
- Biological factors: Neurodevelopmental issue + co-occurring MH and CD conditions

Mr. A

Formulation and treatment recommendations

"...the gender dysphoria is enduring and has had unique presentations at various developmental stages, which intertwined with behaviors and mood issues. now, he is socially and hormonally transitioned.

The genetic and epigenetic risk and strength factors were reviewed and discussed. it includes long standing neurodevelopmental issue, genetic loadings, trauma etc. meanwhile, he is connected with VA for services and is on disability.

...also completed neurodevelopmental assessment. The results/findings shed new light on chronic social reciprocity issues, motor/sensory issues, in my opinion, client is on the spectrum. And will benefit from proper support and intervention such as sensory tools, social skills training and support.

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Formulation

 ...Also recommended an increase of olanzapine. d/c Prozac which is not helpful and start titration of Lexapro. Will complete OCD-l; and review the findings and discuss treatment at follow up."

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Impetus Of Gender Care On MH And SUD

- IN LATE 70S, THE GENDER CLINICS WERE CLOSED, AND HORMON CARE AND SURGICAL PROCEDURES WERE NOT REIMBURSABLE.
- CLIENT'S RESILIENCY AND TRAINING AND EDUCATION OF FAMILY ARE
 PROMISING IN REDUCING SIB AND SI IN GD CLIENTS ESP. YOUTH
- A SWEDISH STUDY OF POPULATION REGISTRA SHOWED SURGICAL GENDER CARE, BUT NOT HORMON CARE, REDUCED THE MH CARE COST.
- Arceleus et al found gender affirmative hormone treatment reduced the symptoms of depression 18 months after the treatment, esp for GD patients with higher social support.















