

Shani Wilson, PA-C
Elijah Salzer, DMSc, PA-C, NYSAFE, C-EFM
Diane Bruessow, PA-C

Transgender Medicine: Top 10

AAPA Conference | Houston, TX | May 21, 2024 3:30p

1

Attestation

By viewing, attending or participating in this session attests that you are here to learn how to support access to gender-affirming care.

By viewing, attending, or participating in this session, you agree not to audio or video record, photograph, or transmit in any way any portion of this session content, not limited to information about the speakers, attendees, or content discussed.

2

Disclosures

Diane Bruessow
US Professional Association for Transgender Health (USPATH), board of directors

Elijah Salzer
LGBT PA Caucus, board of directors

Shani Wilson
LGBT PA Caucus, board of directors

3

There is a growing body of evidence supporting transgender and nonbinary (TNB) health across the lifespan that is relevant to clinical practice.

This session will help attendees navigate barriers to quality care, including unreliable information perpetuated in the media and political discourse that directly influences PA practice.

The speakers will introduce current publications from the medical literature that respond to questions commonly asked by our patients, address prior knowledge gaps in TNB health, and highlight new developments published after the most recent guidelines.

The literature will be explored through the lens of evidence-based medicine (EBM), bioethics, and/or intersectionality.

4

Learning Objectives

At the conclusion of this session, participants should be able to:

- Apply current knowledge to the care of transgender and nonbinary patients across their lifespan
- Describe how the literature informs treatment goals for the care of transgender and nonbinary patients
- Identify the transgender and nonbinary patients that would benefit most from the current medical knowledge

5

Kidney Function & GAC

What is the effect of gender-affirming hormone therapy on kidney function?

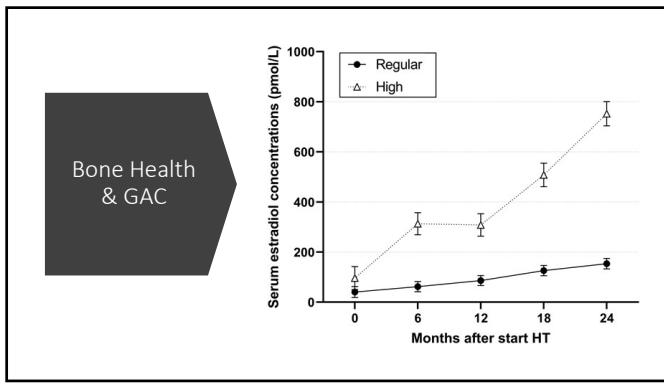
CJASN

Systematic review 26 studies		Transgender men (n = 270)	Transgender Women (n = 361)	No study reported
Meta-analysis 9 studies	12 months post transitioning hormone therapy (GHT)	+0.15 mg/dL 95% CI 0.00, 0.29	-0.05 mg/dL 95% CI -0.16, 0.05	△ Albuminuria △ Proteinuria △ Cystatin C △ Measured GFR
	Change in serum creatinine			

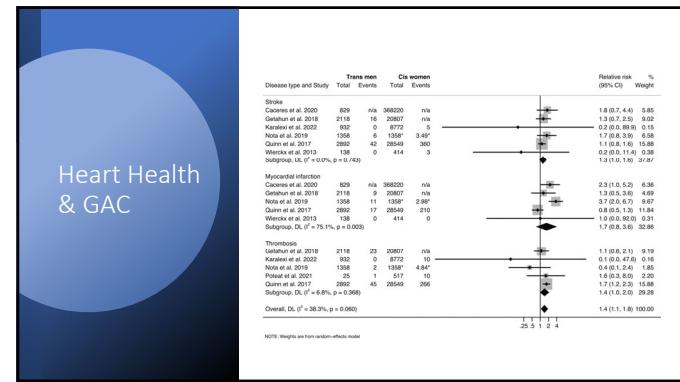
Comparative observational studies compare transgender men to non-transgender men or transgender women to non-transgender women. The impact on GFR on other kidney function measures not shown in figure is unknown.

Debbi Knapik, Savitri Curtis, Thomas Ferguson, et al. "The Effect of Gender-Affirming Hormone Therapy on Measures of Kidney Function." CJASN doi: 10.2354/cjasn.11-2019-0482. © 2024 American Society of Nephrology. All rights reserved.

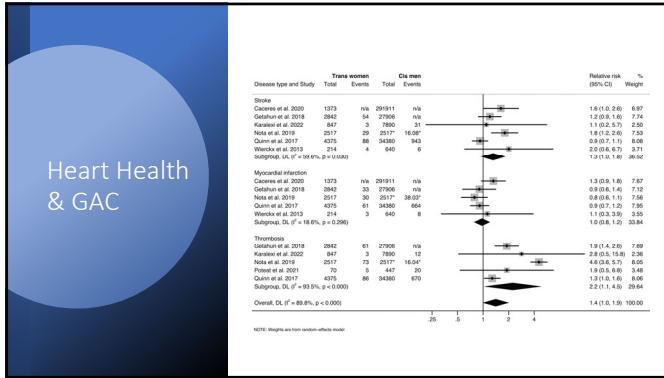
6



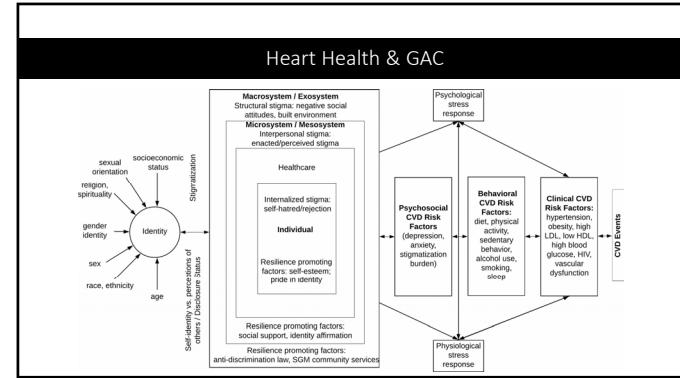
7



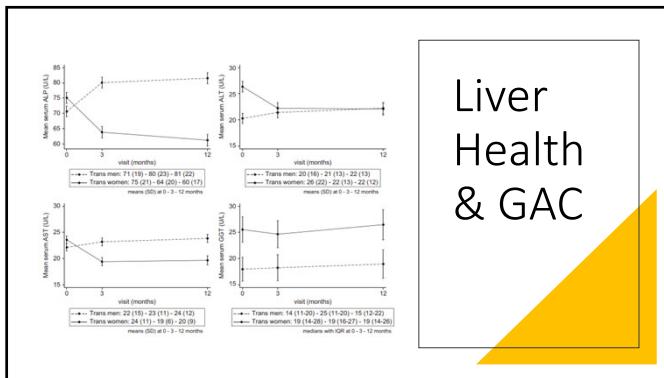
8



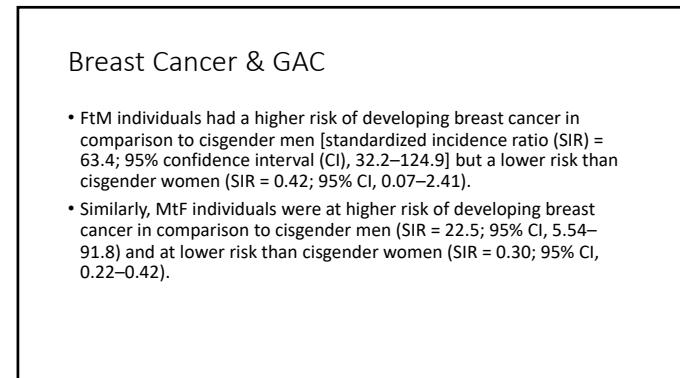
9



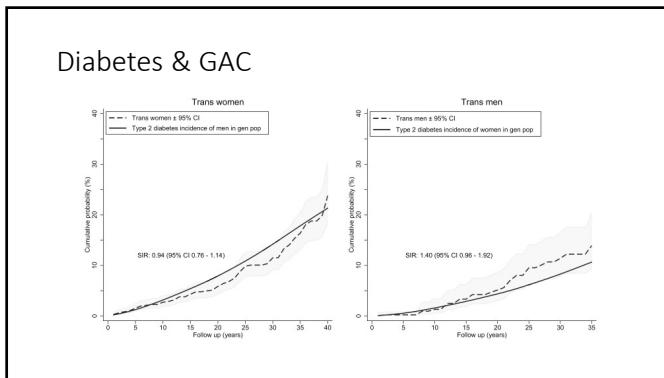
10



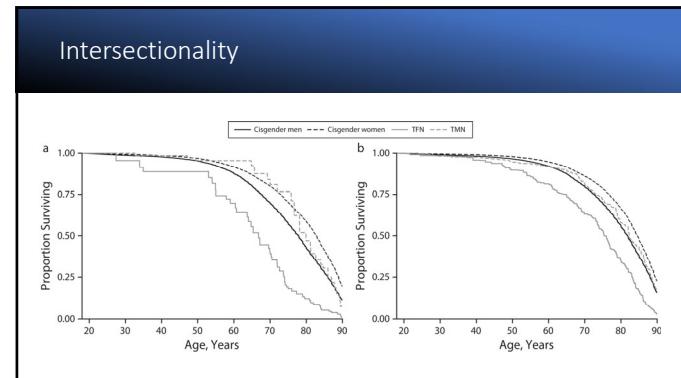
11



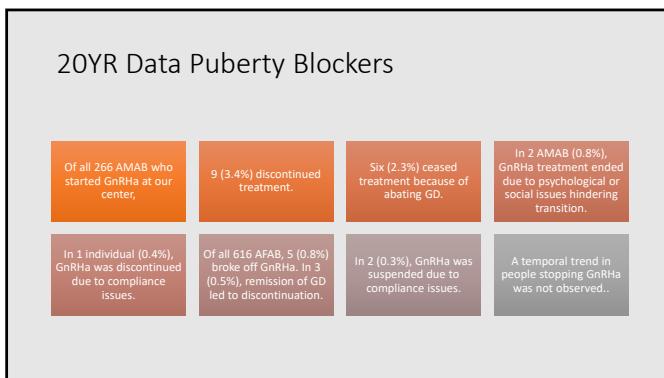
12



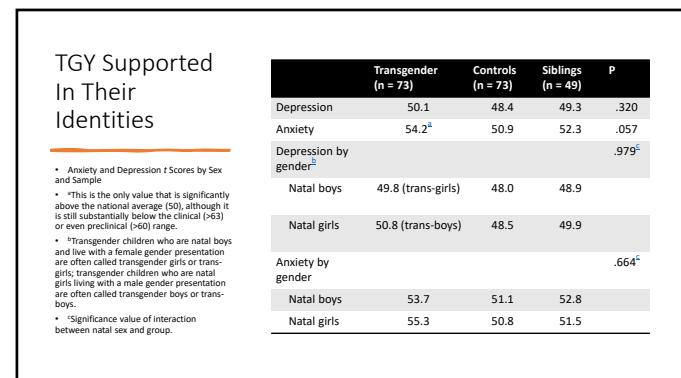
13



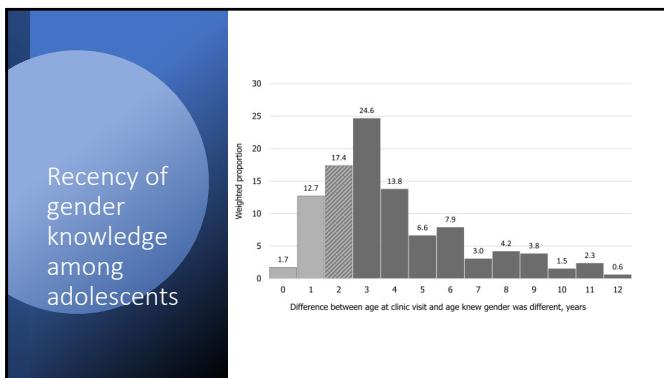
14



15



16



17



18

Citations

- Pothuri VS, Anzelmo M, Gallaher E, Ogunlana Y, Aljabadi-Wahle S, Tan B, Crippin JS, Hammill CW. Transgender Males on Gender-Affirming Hormone Therapy and Hepatobiliary Neoplasms: A Systematic Review. *Endocr Pract.* 2023 Oct;29(10):822-829. doi: 10.1016/j.eprac.2023.05.011. Epub 2023 Jun 5. PMID: 37286102.
- Hashemi L, Zhang Q, Getahun D, Jaisuji GK, McCracken C, Pisegna J, Roblin D, Silverberg MJ, Tangpricha V, Vupputuri S, Goodman M. Longitudinal Changes in Liver Enzyme Levels Among Transgender People Receiving Gender Affirming Hormone Therapy. *J Sex Med.* 2021 Sep;18(9):1662-1675. doi: 10.1016/j.jsxm.2021.06.011. Epub 2021 Aug 5. PMID: 34366264; PMCID: PMC8444147.
- Stangl TA, Wiepjes CM, Defreyne J, Conemans E, D'Fisher A, Schreiner T, T'Sjoen G, den Heijer M. Is there a need for liver enzyme monitoring in people using gender-affirming hormone therapy? *Eur J Endocrinol.* 2021 Apr;184(4):513-520. doi: 10.1530/EJE-20-1064. PMID: 33524005.
- Corso G, Gandini S, D'Ecclesiis O, Mazza M, Magnoni F, Veronesi P, Galimberti V, La Vecchia C. Risk and incidence of breast cancer in transgender individuals: a systematic review and meta-analysis. *Eur J Cancer Prev.* 2023 May 1;32(3):207-214. doi: 10.1097/CEJ.0000000000000784. Epub 2023 Feb 16. PMID: 36789830
- van Velzen D, Wiepjes C, Nota N et al. Incident diabetes risk is not increased in transgender individuals using hormone therapy. *J Clin Endocrinol Metab.* 2022 Apr 19;107(5):e2000-e2007. doi: 10.1210/clinend/dgab934. PMID: 34971391; PMCID: PMC9016430.

19

Citations

- van der Loos MATC, Klink DT, Hannema SE, Bruinsma S, Steensma TD, Kreukels BPC, Cohen-Kettenis PT, de Vries ALC, den Heijer M, Wiepjes CM. Children and adolescents in the Amsterdam Cohort of Gender Dysphoria: trends in diagnostic and treatment trajectories during the first 20 years of the Dutch Protocol. *J Sex Med.* 2023 Feb 27;20(3):398-409. doi: 10.1093/jsexmed/qdac029. PMID: 36763938
- Olson KR, Durwood L, DeMeules M, McLaughlin KA. Mental Health of Transgender Children Who Are Supported in Their Identities. *Pediatrics.* 2016 Mar;137(3):e20153223. doi: 10.1542/peds.2015-3223. Epub 2016 Feb 26. Erratum in: *Pediatrics.* 2018 Aug;142(2):. PMID: 26921285; PMCID: PMC477131.
- Bauer GR, Lawson ML, Metzger DL; Trans Youth CANI Research Team. Do Clinical Data from Transgender Adolescents Support the Phenomenon of "Rapid Onset Gender Dysphoria"? *J Pediatr.* 2022 Apr;243:224-227.e2. doi: 10.1016/j.jpeds.2021.11.020. Epub 2021 Nov 16. PMID: 34793826.

20