

## Hematology Consults in Transgender Medicine

About 10% of high school students identify as gender non-congruent, and many of those are transgender leading to an increased use of medications with potentially serious hematologic adverse effects (thrombosis, erythrocytosis, etc.) Hematologists are being asked to provide consultation to the transgender community regarding critical management questions. In addition, new nomenclature regarding the diagnosis of hemophilia carriers which is gender neutral has been published. Moreover, there are clinics for adolescents which often use gender-specific terms (e.g., Young Women’s Clinic whose names should be reconsidered). It is imperative that using appropriate terms/names for diagnoses/clinics be appreciated by all pediatric hematologists.

### Learning Objectives:

- To gain knowledge on the basics of transgender medicine including appropriate terminology and the medical aspects of therapy.
- To describe the hematologic manifestations of medications utilized in transgender medicine and how to mitigate the risks of such treatments.
- To learn about the new gender-neutral hemophilia nomenclature and to discuss the proper terminology for specialty clinics caring for adolescents.

### Information Source

1. Mullins ES, Geer R, Metcalf M, Piccola J, Lane A, Conrad LAE, Mullins TLK. Thrombosis risk in adolescents receiving gender-affirming hormonal therapy. *Pediatrics* 2021; 147: e2020023549.
2. Bercovitz RS. "A new hemophilia carrier nomenclature to define hemophilia in women and girls: Communication from the SSC of the ISTH": Comment. *J Thromb Hemost* 2022; 20:1744-1745.
3. Sidonio RF. "A New Hemophilia Carrier Nomenclature to define hemophilia in women and girls: Communication from the SSC of the ISTH": Reply to comment. *J Thromb Hemost* 2022; 20:1745-1746.

Title clearly articulates what the session will be about.

One or two paragraphs summarizing the educational need and goals of the session.

Two-four clearly defined learning objectives.

References.

**Presentation Outline:**

- Introduction (5 minutes): Guy Young, MD
- A Primer on Transgender Medicine for the Hematologist (20 minutes): Ximena Lopez, MD
- Hematologic Manifestations of Medications used in Transgender Medicine (20 minutes): Angela Weyand, MD
- What's in a Name: Nomenclature Issues in Bleeding Disorders (15minutes): Robert Sidonio, MD
- Case Descriptions (15 minutes): All
- Audience Participation/Panel Discussion: Audience members will be asked to describe their experiences and/or ask questions (15minutes)

**Will a Young Investigator be involved in the planning and implementation of this workshop? Yes****Effective Teaching Learning Methodologies:**

First off, we will use an Audience Response System [ARS (Poll Anywhere or equivalent)] and the moderator will pose several questions to the audience regarding their experience with hematology consults for transgender persons. In addition, each speaker will be required to have 2-4 ARS questions which will also be used to serve as a basis for the panel discussion. Second, the final 15 minutes will be reserved for audience members to share their experiences and/or ask questions to the panel members.

Presentation outline should include the titles of each proposed talk with named speaker. Sometimes an additional description of talk content is provided. The number of speakers and estimated time per talk should be feasible within a 60 – 75 minutes session.

Explicitly state how your workshop incorporates best practices in adult learning, including how you are incorporating audience engagement/participation in the session.

**Diversity of Viewpoints**

The faculty are comprised of 1 junior faculty (Dr. Weyand), 2 mid-career faculty (Drs. Lopez and Sidonio) and 1 senior faculty (Dr. Young). The moderator/speakers include 2 men and 2 women, a Caucasian male, a Latina female, a Caucasian female and a mixed-race male. We come from 1 small (for pediatric hematology/oncology) institution (University of Michigan), and 3 large children's hospitals. The faculty represent 3 states (1 west, 1 midwest, and 1 southeastern state).

Speakers should be diverse in terms of perspective, institution, program size, and seniority, if possible.