

Objectives

- To familiarize yourself with the hormone options available in pediatric and adolescent gender care
- To understand the process used in pediatric and adolescent gender clinics for hormonal therapy
- To be aware of the role of the mental health provider in the process to initiate hormonal therapy for pediatric and adolescent gender care



Introduction

- Pubertal development begins between ages 8.5-14 years in designated female individuals.
- Pubertal development begins between ages 10.5-16 years in designated male individuals.
- Puberty includes not only physical development but also brain and psychosocial development.





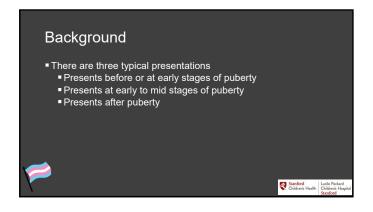
Background

- ■Transgender youth may identify at any age and seek hormonal care.
- However, hormonal intervention does not begin until puberty actually starts.

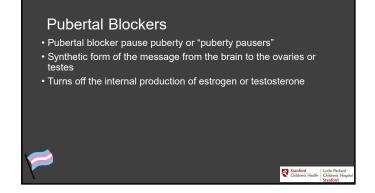


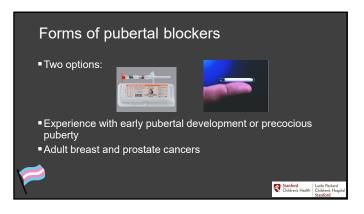
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Presentation before or at early stages of Puberty • Estrogen programmed puberty starts with breast buds • Testosterone programmed puberty starts with testicular enlargement • EVERYONE gets • Axillary and Pubic hair • Acne • Oily hair/skin • Body Odor • This does not come from the ovaries or testes. • These alone do not mean that puberty has started.





Considerations in the use of blockers

- Bone health
- Sex hormones are needed for bone development
- Pausing the production of sex hormones may decrease the bone density while on therapy
- To minimize long term effects, we recommend maximizing calcium, vitamin D and weight bearing exercises
- Advantage: pausing physical development while exploring gender identity and exploration



Next steps available after blockers

- •After gender identity and exploration is completed with a mental health provider and the youth is…
- Around 14 years of age, we may start with gender affirming hormones.
- Testosterone or Estrogen
- Both will be titrated to induce pubertal development over about 2 years





Scenario 2: presentation up to midpuberty

- Up to mid-puberty to offer blockers
- If we were to stop the programmed hormone production at puberty after mid-puberty, the body may experience a sense of "withdrawal" from lack of estrogen or testosterone
- Side effects may be greater than benefits



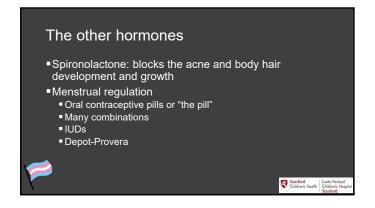


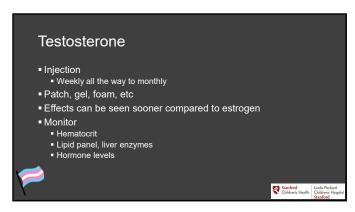
Scenario 3: Presents after full pubertal development

- ■Cannot offer pubertal blocker
- •Will need to start with estrogen or testosterone
- ■Can offer supportive care



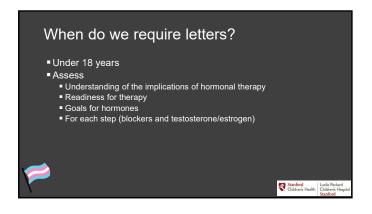


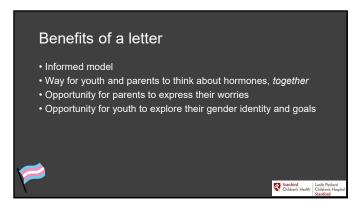




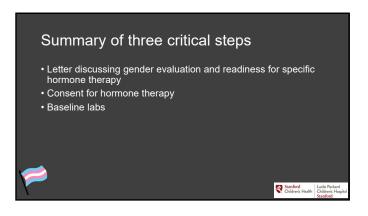












Other roles of the mental health provider

- Each dose adjustment ask about mood and changes in mood
- Continued therapy discussing
 Further exploration
 Goals

 - Ups and downs
 If there are underlying diagnoses: anxiety, depression, disordered eating, etc.
- Two way open communication with provider (Release of Information is needed)

