

New Patient Medical History Form

Patient Name: Jailyn Jenkins	Date of Visit: 03/20/19
Date of Birth: 2/18/90	Social Security Number: 555-12-3456
Address: 123 Rochester Avenue	Emergency Contact: Carlos Jenkins
Marital Status: ☐ Single ☐ Married ☐ Divorced ☐ Separated	
Employer: Food Link Inc.	Occupation: Public Outreach
Medical History	
Please list any medications you are currently taking:daily women's multi-vitamin. occasional Advil	Please list any allergies: pollen, Latex
Have you traveled outside of the country in the past 3 months? №0	
Have you had any surgeries? Yes. I've had my appendix removed.	
How often do you drink alcohol: ✓ Never ☐ 1-2 drinks a week ☐ 3-7 drinks a week ☐ 8+ drinks a week	
Fertility Information	
Do you have any children?No	



Date of Visit: March 20, 2019

New Patient Medical History Form

Patient Name: Carlos Jenkins

Date of Birth: 8/23/85	Social Security Number: 987-65-4321
Address: 123 Rochester Avenue	Emergency Contact: Jailyn Jenkins
Marital Status: Single Married D	ivorced Separated
Employer: Westfall Dental	Occupation: Dental Hygienist
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Medical History	
Please list any medications you are currently taking:protein supplements, daily multi-vitamin, occasional Tylenol	Please list any allergies: None
Have you traveled outside of the country in the past 3 months? Yes- Montreal Canada	
Have you had any surgeries? Yes- I tore my ACL training in 2009 and had surgery to repair it	
How often do you drink alcohol: ☐ Never ☐ 1-2 drinks a week ☐ 3-7 drinks a week ☐ 8+ drinks	
Fertility Information	
Do you have any children? No Have you been able to conceive in the past? Have you ever had a miscarriage? N/A Have you ever sought fertility treatments before:	

RGH Laboratory
Endocrinology Report
2020 Rochester Road
East Irondequoit, NY 14618

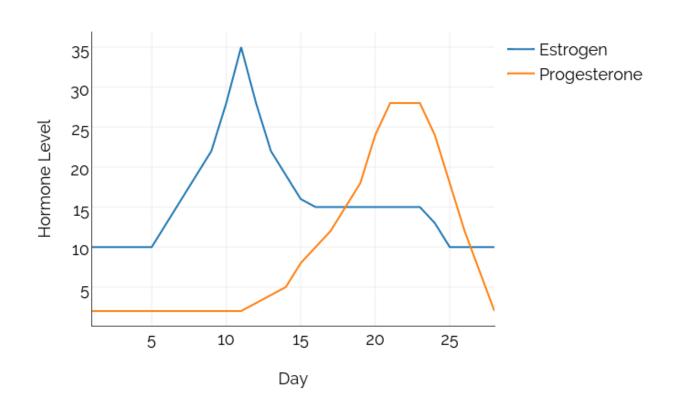


Hormone Level Results

Patient: Jailyn Jenkins **Date of birth:** 02/18/90

Requested hormonal level tests: Estrogen, Progesterone

Jailyn Jenkins



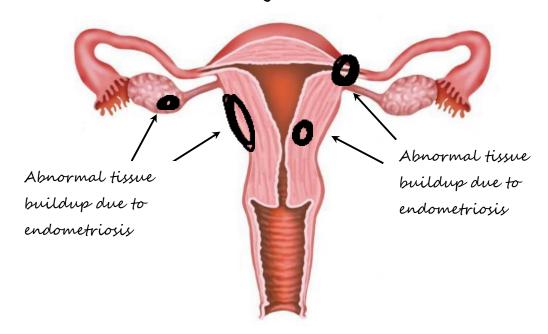


Ultrasound Report

Patient: Jailyn Jenkins **Date of birth:** 02/18/90

Physician's notes:

The pelvic ultrasound showed areas that are affected by endometriosis. See the diagram below:



Anabolic Steroids



While anabolic (which means "muscle-building") steroids can be used to treat some medical conditions, they are often misused by athletes in an attempt to boost performance or improve their physical appearance.

Misuse of anabolic steroids leads to negative mental effects, such as:

- Paranoid (extreme, unreasonable) jealousy
- Extreme irritability and aggression ("roid rage")
- Delusions—false beliefs or ideas
- Impaired judgment
- Shrinking testicles
- Decreased sperm count
- Baldness
- Development of breasts
- Increased risk for prostate cancer
- Stunted growth in teens

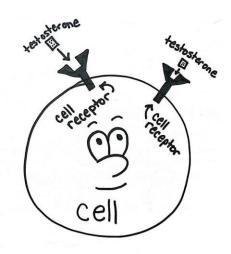
Anabolic steroids are very similar to the hormone testosterone. When a man takes steroids, his body thinks he has enough testosterone already, so it stops making its own testosterone. This is an example of a *negative feedback*. The effects of steroids can last for up to a year after a person stops using them.

Carlos's Testosterone Levels

You find that Carlos's testosterone levels are *lower* than normal.

Fortunately for Carlos, his use of anabolic steroids 10 years ago is no longer affecting his testosterone levels today. But something must be going on... why aren't his testosterone levels normal?

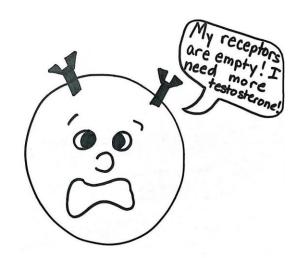
You take another look at Carlos's medical history. His occupation catches your eye- he is a dental hygienist. You remember reading in your biology class that the plastics used in dental sealants may contribute to BPA exposure. You know that BPA, found in a lot of plastics, is an "endocrine disruptor". This means that it interferes with normal hormone production in the body. You test Carlos's urine and find that there are, in fact, very high levels of BPA. How does this affect Carlos's testosterone production?



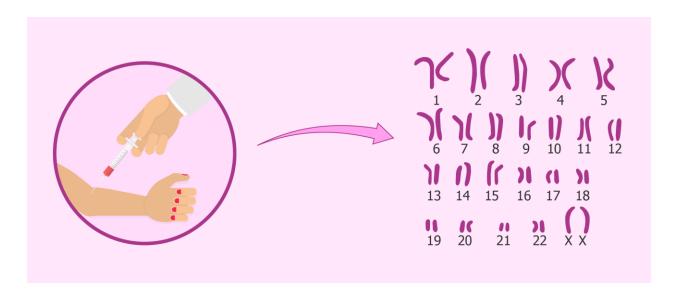


Normally, testosterone binds to cell receptors. When this happens, the cell is able to signal to the body that there is enough testosterone present, and the body doesn't need to make more right now.

When there is nothing bound to the cell receptors, the body knows that there is not enough hormone in the body. It tells the body to make more, stat!



Genetic Basis of Female Infertility



Researchers have begun to look into genetic causes of female infertility. Genome-wide association studies (GWASs) have been used to search for the genetic cause of Premature Ovarian Failure. A number of potential genes that may cause Premature Ovarian Failure have been found, including a gene named "PTHB1" and another gene named "ADAMTS19". Larger follow-up studies are needed to confirm these findings.

Most diseases that have a genetic component are caused by variations in more than just one gene region. Environmental factors such as exercise, diet, exposure to radiation, etc. also may have an important influence. Having a certain sequence in a region of DNA therefore does not necessarily mean you will get the disease, but it may mean you are more susceptible to getting the disease.