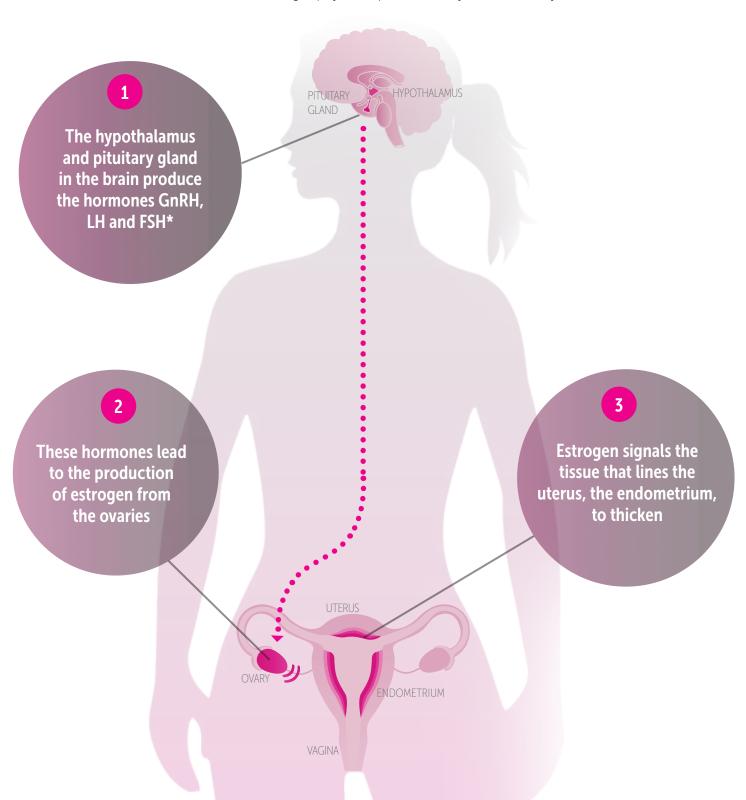
## **HOW ENDOMETRIOSIS WORKS**<sup>1</sup>

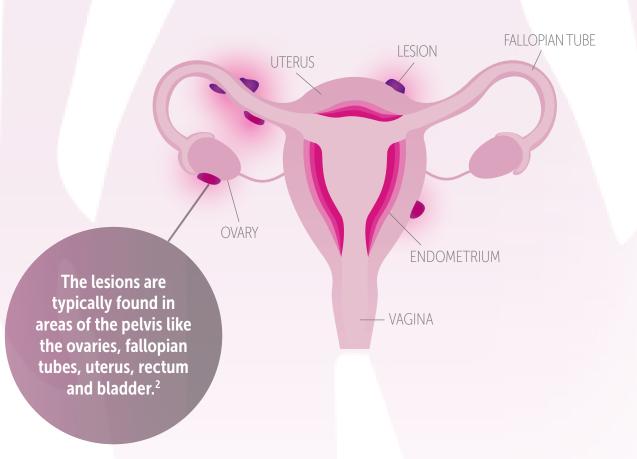
A hormone called estrogen plays an important role in your menstrual cycle.



<sup>\*</sup>Gonadotropin-releasing hormone, luteinizing hormone, follicle-stimulating hormone

## **HOW ENDOMETRIOSIS WORKS**

Endometriosis occurs when endometrial tissue grows in places outside of the uterus, forming lesions.<sup>2,3</sup>



When **estrogen** tells the endometrium to thicken, it also signals the lesions to grow, which can cause **inflammation and pain.** Depending on the location of the lesions, different types of pain and symptoms may develop.<sup>1-4</sup>

Your body is producing estrogen all the time; that's why there may be pain regardless of your period.<sup>3</sup>

## There are several ways to control estrogen levels:5

- a. Reduce the amount of estrogen the ovaries produce
- b. Reduce the signal the pituitary gland sends to the ovaries
  - c. Surgical procedure to remove the ovaries

## References

1. Brzyski RG, Knudtson J. Female Reproductive Endocrinology. Merck Manual website. http://www.merckmanuals.com/professional/gynecology-and-obstetrics/female-reproductive-endocrinology/female-reproductive-endocrinology. Updated April 2013. Accessed July 27, 2016. 2. Association of Professors of Gynecology and Obstetrics. Diagnosis & Management of Endometriosis: Pathophysiology to Practice. Educational Series on Women's Health Issues. 3. Bulun SE. Endometriosis. N Engl J Med. 2009;360(3):268-279. 4. Practice Committee of the American Society for Reproductive Medicine. Treatment of pelvic pain associated with endometriosis: a committee opinion. Fertil Steril. 2014;101(4):927-935. 5. Endometriosis. In: Becker K. Principles and Practice of Endocrinology & Metabolism. 3rd ed. Philadelphia, PA: Lippincott Williams & Wilkins; 2001. http://ovidsp.tx.ovid.com.proxy.cc.uic.edu/sp-3.20.0b/ovidweb.cgi. Accessed August 3, 2016.