

Selected Publications

* designates corresponding author; † designates co-first authors; underline designates trainees

1. Kim SH, Lundgren JA, Patrie JT, **Burt Solorzano CM**, McCartney CR. Acute progesterone feedback on gonadotropin secretion in estradiol-pretreated women with PCOS. *Physiol Rep*. 2022 Apr;10(7):e15233. Doi: 10.14814/phy2.15233. PMID 35384387. PMCID: PMC8981178
2. Esquivel-Zuniga MR†, Kirschner CK†, McCartney CR, **Burt Solorzano CM***. Non-PCOS Hyperandrogenic Disorders in Adolescents. *Seminars in Reproductive Medicine*. 2022 Mar;40(1-02):42-52. Doi: 10.1055/2-00441-1742259. PMID 35052005.
3. **Burt Solorzano CM**, McCartney CR*. Polycystic Ovary Syndrome: Ontogeny in Adolescence. *Endocrinol Metab Clin N Am* 50(1):25-42, 2021. <https://doi.org/10.1016/j.ecl.2020.10.003>. PMID 33518184. PMCID PMC7864394 (available on 2022-03-01).
4. King A, McGill-Meeks K, Beller J, **Burt Solorzano C***. Go Girls!—Dance-Based Fitness to Increase Enjoyment of Exercise in Girls At-Risk for PCOS (electronic publication). *Children—Basel* 6(9):99, 2019. doi:10.3390/children6090099. PMID 31500180. PMCID PMC6769571.
5. McCartney CR*, **Burt Solorzano CM**, Patrie JT, Marshall JC, Haisenleder DJ. Estimating Testosterone Concentrations in Adolescent Girls: Validation of Two Direct Immunoassays Via Comparison to Liquid Chromatography-Tandem Mass Spectrometry. *Steroids* 140(Dec):62-69, 2018. PMID 30217784. PMCID PMC7017602. Cited 0 times, IF = 2.136, Rank 214 of 299 Biochemistry & Molecular Biology, Rank 110 of 145 Endocrinology & Metabolism.
6. **Burt Solorzano CM**, Knudsen KL, Anderson A, Marshall JC, McCartney CR*. Insulin Resistance, Hyperinsulinemia, and LH: Relative Roles in Peripubertal Obesity-Associated Hyperandrogenemia. *J Clin Endocrinol Metab* 103(7):2571-2582, 2018. PMID 29897474. PMCID PMC6692879. Cited 4 times, IF = 5.605, Rank 22 of 145 Endocrinology & Metabolism.
7. Kim SH, **Burt Solorzano CM**, McCartney CR*. Progesterone Administration Does Not Acutely Alter LH Pulse Secretion in the Mid-Follicular Phase in Women. *Physiological Reports*, 6(8):e13680, 2018. DOI:10.14814/phy2.13680. PMID 29696832. PMCID PMC5917047.
8. Kim SH, Lundgren JA, Bhabhra R, Collins JS, Patrie JT, **Burt Solorzano CM**, Marshall JC, McCartney CR*. Progesterone-Mediated Inhibition of the GnRH Pulse Generator: Differential Sensitivity as a Function of Sleep Status. *J Clin Endocrinol Metab* 103:1112-1121, 2018. PMID 29300925. PMCID PMC6283412.
9. Lundgren JA*, Kim SH, **Burt Solorzano CM**, McCartney CR, Marshall JC. Progesterone Suppression of Luteinizing Hormone Pulse Frequency in Adolescent Girls with Hyperandrogenism: Effects of Metformin. *J Clin Endocrinol Metab* 103:263-270, 2018. PMID 29095983. PMCID PMC5761484.

- 10. Burt Solorzano CM***, Helm KD, Patrie JT, Shayya RF, Cook-Andersen HL, Chang RJ, McCartney CR, Marshall JC. Increased Adrenal Androgens in Overweight Peri-Pubertal Girls. *Journal of the Endocrine Society*, 1:538-552, 2017. PMID 29264508. PMCID PMC5686668.
- 11. DeBoer MD***, Valdez R, Chernavvsky DR, Grover M, **Burt Solorzano C**, Herbert K, Patek S. The Impact of Frequency and Tone of Parent-Youth Communication on Type 1 Diabetes Management. *Diabetes Therapy*, 8:625-636, 2017. PMID 28405895. PMCID PMC5446384.
- 12. Hou J**, Cook-Andersen H, Su I, Shayya R, Maas KH, **Burt-Solorzano CM**, Kumar A, Chang RJ*. 17-Hydroxyprogesterone Responses to Human Chorionic Gonadotropin Are Not Associated With Serum Anti-Mullerian Hormone Levels Among Adolescent Girls With Polycystic Ovary Syndrome. *Journal of Pediatric Endocrinology and Metabolism*, 29:835-40, 2016. PMID 27166718. PMCID PMC5424394.
- 13. Collins JS**, Beller JP, **Burt Solorzano C**, Patrie JT, Chang RJ, Marshall JC, McCartney CR*. Blunted Day-Night Changes of LH Pulse Frequency in Girls with Obesity: the Potential Role of Hyperandrogenemia. *J Clin Endocrinol Metab* 99:2887-96, 2014. PMID 24780043. PMCID PMC4121026.
- 14. Anderson AD†**, **Burt Solorzano CM†**, McCartney CR*. Childhood Obesity and Its Impact on the Development of Adolescent PCOS. *Seminars in Reproductive Medicine* 32:202-213, 2014. PMID 24715515. PMCID PMC4103796.
- 15. Burt Solorzano CM***, Beller JP, Abshire MA, Collins JS, McCartney CR, Marshall JC. Neuroendocrine Dysfunction in Polycystic Ovary Syndrome. *Steroids* 77:332-7, 2012. PMID 22172593. PMCID PMC3453528.
- 16. Knudsen KL**, Blank SK, **Burt Solorzano C**, Patrie JT, Chang RJ, Caprio S, Marshall JC, McCartney CR. Hyperandrogenemia in Obese Peripubertal Girls: Correlates and Potential Etiological Determinants. *Obesity* 18:2118-24, 2010. PMID 20339367. PMCID PMC2932780.
- 17. Burt Solorzano CM***, McCartney CR. Obesity and the Pubertal Transition in Girls and Boys. *Reproduction* 140:399-410, 2010. PMID 20802107. PMCID 2931339.
- 18. Burt Solorzano CM***, McCartney CR, Blank S, Knudsen K, Marshall JC. Hyperandrogenemia in Adolescent Girls: Origins of Abnormal Gonadotropin Releasing Hormone Secretion. *BJOG—An International Journal of Obstetrics and Gynaecology* 117:143-9, 2010. PMID 20002394. PMCID 2994606.
- 19. Eagleson CA***, Gingrich MB, Pastor CL, Arora TK, **Burt CM**, Evans WS, Marshall JC. Polycystic Ovarian Syndrome: Evidence that Flutamide Restores Sensitivity of the Gonadotropin-Releasing Hormone Pulse Generator to Inhibition by Estradiol and Progesterone. *J Clin Endocrinol Metab* 85:4047-4052, 2000. PMID 11095431.

Chapters

1. Burt Solorzano CM, Clarke WL, Chapter 8: “Polycystic Ovary Syndrome: A Pan-Endocrine Disorder” in Pediatric Endocrinology Clinical Update. 1st edition. Eds. Velea IP, Paul C, Brink SJ, Mirton 2011, Timisoara, Romania, pp. 132-137.

2. Burt Solorzano CM, Chapter 24: “Endocrine Disorders” in Pediatrics Recall. 4th edition. Eds. McGahren E and Wilson W, Lippincott Williams and Wilkins, Sept. 9, 2010

Health Ed/Videos, etc.

1. Burt Solorzano C. “Ask the Expert: Polycystic Ovary Syndrome (PCOS), A Conversation with Christine Burt Solorzano, MD,” Endocrine Society Patient Engagement website, <https://www.endocrine.org/patient-engagement/hormone-headlines-blog/ate-pcos>, September 2022.

2. Martin K, Vora A, Burt Solorzano C, Matsumoto A, Cunningham G, Yialamas M, Lobo R. “Reproductive Infertility,” Endocrine Society Patient Engagement website, <https://www.endocrine.org/patient-engagement/endocrine-library/infertility>, January 2022.

3. Davidge-Pitts C, Burt Solorzano C. “Reproductive Hormones,” Endocrine Society Patient Engagement website, <https://www.endocrine.org/patient-engagement/endocrine-library/hormones-and-endocrine-function/reproductive-hormones>, January 2022.

4. Alter C, Burt Solorzano C, Eugster E, Palmert M. “Precocious Puberty,” Endocrine Society Patient Engagement website, <https://www.endocrine.org/patient-engagement/endocrine-library/precocious-puberty>, January 2022.

5. Burt Solorzano C, Ehrmann D, Azziz R. “Polycystic Ovary Syndrome,” Endocrine Society Patient Engagement website, <https://www.endocrine.org/patient-engagement/endocrine-library/pcos>, January 2022.

6. Azziz R, Burt Solorzano C, and Ehrmann D. “Polycystic Ovary Syndrome (PCOS),” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/polycystic-ovary-syndrome>, September 2018.

7. Burt Solorzano C, Minkin MJ. “Menopause and Mood Swings,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/hormone/diseases-and-conditions/womens-health/menopause/mood-swings>, August 2018.

8. Harris ST, Leder B, Pinkerton J, and Burt Solorzano C. “Breast Cancer and Bone Loss,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/breast-cancer/bone-loss>, July 2018.

9. Burt Solorzano C and Diaz Thomas A. Endocrine Society and Hormone Health Network Twitter Chat on Puberty, Invited Expert Moderator, <https://endocrinenews.endocrine.org/endocrine-society-to-host-twitter-chat-for-pediatric->

[endocrinology-month/](#), #PubertyEndoChat, @EndoSociety and @HormoneHealthNetwork, Twitter, 1 hr, 1.37 million impressions recorded during the 1 hour chat, @NICHD, @PES, and @ICOSEP following during chat, July 2018.

10. Martin K and Burt Solorzano C. “Hirsutism,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/hirsutism>, March 2018.

11. Burt Solorzano C. “Vaginal Atrophy,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/vaginal-atrophy>, October 2017.

12. Burt Solorzano C. “Breast Cancer,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/breast-cancer>, October 2017.

13. Burt Solorzano C. “Female Infertility,” Hormone Health Network from the Endocrine Society, <https://www.hormone.org/diseases-and-conditions/womens-health/infertility>, October 2017.

14. Burt Solorzano C. “Polycystic Ovary Syndrome,” *Radio MD Podcast*. 0.2 hr, Charlottesville, VA, 2014.

15. Burt Solorzano C and Cluett S. “Get Children, Teens Eating Healthy.” *The Daily Progress* Charlottesville, VA. January 6, 2013. p. C3.

16. Burt-Solorzano C. “Polycystic Ovary Disease.” *Virginia Pediatrics*. American Academy of Pediatrics, Virginia Pediatric Society Newsletter. http://www.virginiapediatrics.org/wp-content/uploads/2011/09/Pediatrics_newsletter_Spring2011_FINAL_color_low-res.pdf, Spring 2011.