

1 PCOS AND ENDOMETRIOSIS-IS THERE A CONNECTION?

Suggested Reading

- 1) Crespi B. Variation among human populations in endometriosis and PCOS A test of the inverse comorbidity model. *Evol Med Public Health*. 2021 Sep 17;9(1):295-310. doi: 10.1093/emph/eoab029. PMID: 34659773; PMCID: PMC8514856.
- 2) Dinsdale NL, Crespi BJ. Endometriosis and polycystic ovary syndrome are diametric disorders. *Evol Appl*. 2021 May 14;14(7):1693-1715. doi: 10.1111/eva.13244. PMID: 34295358; PMCID: PMC8288001.
- 3) Throwba H PK, Unnikrishnan L, Pangath M et al. The epigenetic correlation among ovarian cancer, endometriosis and PCOS: A review. *Crit Rev Oncol Hematol*. 2022 Dec;180:103852. doi: 10.1016/j.critrevonc.2022.103852. Epub 2022 Oct 23. PMID: 36283585.
- 4) Holoch KJ, Savaris RF, Forstein DA, et al. Coexistence of Polycystic Ovary Syndrome and Endometriosis in Women with Infertility. *Journal of Endometriosis and Pelvic Pain Disorders*. 2014;6(2):79-83. doi:10.5301/je.5000181
- 5) Singh KB, Patel YC, Wortsman J. Coexistence of polycystic ovary syndrome and pelvic endometriosis. *Obstet Gynecol*. 1989 Oct;74(4):650-2. PMID: 2797642.

2 UNDERSTANDING THE METABOLIC SYNDROME: THE END POINT OF A MULTISYSTEM DISORDER: DR PRATIK TAMBE

References

1. Zhao X, Feng X, Zhao X, Jiang Y, Li X, Niu J, Meng X, Wu J, Xu G, Hou L, Wang Y. How to Screen and Prevent Metabolic Syndrome in Patients of PCOS Early: Implications From Metabolomics. *Front Endocrinol (Lausanne)*. 2021 Jun 2;12:659268. doi: 10.3389/fendo.2021.659268. PMID: 34149613; PMCID: PMC8207510.
2. Hallajzadeh J, Khoramdad M, Karamzad N, Almasi-Hashiani A, Janati A, Ayubi E, et al. Metabolic Syndrome and its Components Among Women With Polycystic Ovary Syndrome: A Systematic Review and Meta-Analysis. *J Cardiovasc Thorac Res* (2018) 10(2): 56–69. 10.15171/jcvtr.2018.10
3. Bhattacharya SM, Jha A. Prevalence and Risk of Metabolic Syndrome in Adolescent Indian Girls With Polycystic Ovary Syndrome Using the 2009 'Joint Interim Criteria'. *J Obstet Gynaecol Res* (2011) 37(10):1303–7. 10.1111/j.1447-0756.2010.01516.x
4. Sanchez-Garrido MA, Tena-Sempere M. Metabolic dysfunction in polycystic ovary syndrome: Pathogenic role of androgen excess and potential therapeutic strategies. *Mol Metab*. 2020 May;35:100937. doi: 10.1016/j.molmet.2020.01.001. Epub 2020 Feb 5. PMID: 32244180; PMCID: PMC7115104.
5. Marshall JC, Dunaif A. Should all women with PCOS be treated for insulin resistance? *Fertility and Sterility*. 2012;97(1):18–22.
6. Bednarska S, Siejka A. The pathogenesis and treatment of polycystic ovary syndrome: what's new? *Advances in Clinical and Experimental Medicine*. 2017;26(2):359–367.
7. Moran LJ, Misso ML, Wild RA, Norman RJ. Impaired glucose tolerance, type 2 diabetes and metabolic syndrome in polycystic ovary syndrome: a systematic review and meta-analysis. *Human Reproduction Update*. 2010;16(4):347–363.
8. Yang R, Yang S, Li R, Liu P, Qiao J, Zhang Y. Effects of hyperandrogenism on metabolic abnormalities in patients with polycystic ovary syndrome: a meta-analysis. *Reproductive Biology and Endocrinology*. 2016;14(1):67.
9. Rojas J, Chavez M, Olivar L, Rojas M, Morillo J, Mejias J. Polycystic ovary syndrome, insulin resistance, and obesity: navigating the pathophysiologic labyrinth. *International Journal of Reproductive Medicine*. 2014;2014:719050.
10. Crespo RP, Bachega T, Mendonca BB, Gomes LG. An update of genetic basis of PCOS pathogenesis. *Archives Endocrinology Metabol*. 2018;62(3):352–361.
11. Wickenheisser JK, Nelson-DeGrave VL, McAllister JM. Human ovarian theca cells in culture. *Trends in Endocrinology and Metabolism*. 2006;17(2):65–71.
12. Walters KA, Gilchrist RB, Ledger WL, Teede HJ, Handelsman DJ, Campbell RE. New perspectives on the pathogenesis of PCOS: neuroendocrine origins. *Trends in Endocrinology and Metabolism*. 2018.
13. Baillargeon JP, Nestler JE. Commentary: polycystic ovary syndrome: a syndrome of ovarian hypersensitivity to insulin? *Journal of Clinical Endocrinology & Metabolism*. 2006;91(1):22–24.