

THE IMPORTANCE OF SELF-COMPASSION AND SELF-ACCEPTANCE IN PROMOTING POSITIVE BODY IMAGE IN WOMEN WITH PCOS

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ABSTRACT

This study explores the nexus between self-compassion, self-acceptance, and body image satisfaction among women diagnosed with Polycystic Ovary Syndrome (PCOS). A cross-sectional design was employed, with 300 participants recruited from gynecological and endocrinological healthcare facilities. Participants completed a structured questionnaire assessing self-compassion, self-acceptance, and body image satisfaction. Results indicate moderate levels of self-compassion, self-acceptance, and body image satisfaction among participants, with significant positive correlations observed between these constructs. Higher levels of self-compassion and self-acceptance were associated with greater body image satisfaction. These findings underscore the importance of integrating interventions targeting self-compassion and self-acceptance into clinical care for women with PCOS to promote positive body image and psychological well-being. Further longitudinal and qualitative research is needed to elucidate the temporal dynamics and underlying mechanisms of these relationships.

KEYWORDS: Polycystic Ovary Syndrome, self-compassion, self-acceptance, body image satisfaction, women's health.

INTRODUCTION

Polycystic Ovary Syndrome (PCOS) is a multifaceted endocrine disorder characterized by hormonal imbalances, ovarian dysfunction, and metabolic disturbances (Nisa et al., 2023; Stener-Victorin et al., 2024). The exact etiology of PCOS remains elusive, but it is widely recognized as a complex interplay between genetic, environmental, and lifestyle factors (Sharma et al., 2023; Barber & Franks, 2023). According to the Rotterdam criteria, the diagnosis of PCOS requires the presence of at least two of the following three features: oligoovulation or anovulation, clinical and/or biochemical signs of hyperandrogenism, and polycystic ovaries on ultrasound examination (Louwers & Laven, 2020; Joham et al., 2022). PCOS affects approximately 5-10% of women of reproductive age globally, making it one of the most common endocrine disorders in this demographic (Zeng et al., 2022; Liu et al., 2021).

Beyond its reproductive and metabolic implications, PCOS is associated with various psychological comorbidities, including depression, anxiety, and poor body image perception (Barbagallo et al., 2024; Light et al., 2021). Body image encompasses individuals' perceptions, thoughts, and feelings about their bodies, including appearance, size, shape, and function (Sayer-Jones & Sherman, 2021; Alkheyr et al., 2024). Women with PCOS often experience distress related to their body image due to the visible symptoms of the condition, such as weight gain, acne, hirsutism, and alopecia, which can deviate from societal standards of beauty (Soucie et al., 2019; Aba & Şik, 2022).

Several factors contribute to the development of negative body image in women with PCOS (Joshi et al., 2021). Firstly, the symptoms of PCOS, particularly those related to hyperandrogenism, such as hirsutism and acne, can lead to feelings of embarrassment, shame, and social stigma, affecting self-esteem and body satisfaction (Kriti et al., 2022; Wright et al., 2020). Moreover, the metabolic disturbances associated with PCOS, such as insulin resistance and obesity, may exacerbate body image concerns, as women with PCOS often struggle with weight management and experience difficulty in achieving their desired body shape (Ee et al., 2021; Moore et al., 2021).

The societal emphasis on thinness and beauty further exacerbates body image dissatisfaction among women with PCOS (Babar & Ahmad, 2021). Media representations of idealized female bodies, characterized by slimness, flawless skin, and long, flowing hair, create unrealistic standards that women with PCOS may feel pressured to attain (De Lange, 2022). Consequently, women with PCOS are more susceptible to engaging in maladaptive behaviors, such as disordered eating patterns, excessive exercise, and cosmetic procedures, in an attempt to conform to these societal ideals and alleviate body image concerns (Barberis et al., 2022).

Despite the pervasive impact of PCOS on body image, research suggests that psychosocial factors, such as self-compassion and self-acceptance, may play a crucial role in mitigating body image dissatisfaction and promoting psychological well-being in women with PCOS (Al-Worafi et al., 2023). Treating oneself with kindness and understanding in the face of adversity, recognizing one's common humanity, and adopting a mindful approach to one's experiences (Gilbert, 2020; Braehler & Neff, 2020). Individuals high in self-compassion are less self-critical, more resilient to setbacks, and better able to maintain emotional equilibrium in challenging situations (Austin et al., 2023).

Similarly, self-acceptance refers to an individual's unconditional positive regard for oneself, including acceptance of one's strengths, weaknesses, and imperfections (Pramanik & Khuntia, 2023). Self-acceptance entails embracing one's body as it is, without judgment or comparison to unrealistic standards of beauty (Zhao et al., 2023). Research has shown that individuals who accept themselves unconditionally are more likely to experience greater life satisfaction, psychological well-being, and body appreciation (Romano & Heron, 2021).

Theoretical frameworks, such as self-compassion theory (SCT) and social comparison theory (SCT), provide insight into the mechanisms through which self-compassion and self-acceptance influence body image perception in women with PCOS (Usgu et al., 2023). According to SCT, individuals with high levels of self-compassion are less prone to engaging in negative self-evaluation and social comparison, as they are more self-assured and secure in their self-worth (Wirtz & Rigotti, 2020). Consequently, women with PCOS who exhibit greater self-compassion may be less susceptible to the detrimental effects of societal beauty standards and more resilient in the face of body image-related stressors.

Similarly, social comparison theory posits that individuals evaluate their own appearance and abilities relative to others, often resulting in upward social comparison, whereby individuals compare themselves to those perceived as more attractive or successful, leading to feelings of inadequacy and dissatisfaction (Seekis et al., 2020). Women with PCOS may engage in upward social comparison with unaffected peers or media representations of idealized beauty, exacerbating feelings of body dissatisfaction and self-criticism (Perrett, 2020). However, individuals high in self-compassion and self-acceptance are less likely to engage in social comparison and more inclined to adopt a non-judgmental, self-affirming attitude towards themselves, irrespective of external standards (Conradson et al., 2022).

METHODOLOGY

Study Design: The research employed a cross-sectional study design to investigate the relationship between self-compassion, self-acceptance, and body image satisfaction among women diagnosed with Polycystic Ovary Syndrome (PCOS).

Study Setting: The study was conducted in collaboration with healthcare facilities specializing in gynecological and endocrinological care, ensuring access to a diverse pool of participants across different geographic locations.

Study Participants: Women aged 18 and above, diagnosed with PCOS, were recruited for the study. Participants were required to provide informed consent before participation.

Sampling: Convenience sampling was utilized to recruit participants, with flyers and online advertisements disseminated through social media platforms and healthcare provider networks to reach potential participants. This method facilitated the recruitment of a diverse sample while ensuring logistical feasibility.

Sample Size: A total of 300 women with PCOS were recruited for the study, ensuring adequate statistical power to detect significant associations between variables of interest.

Study Tool: A structured questionnaire consisting of validated scales was utilized to collect data on self-compassion, self-acceptance, body image satisfaction, and relevant demographic information. The questionnaire was developed based on established measures such as the Self-Compassion Scale (SCS), Body Appreciation Scale (BAS), and Body Image Quality of Life Inventory (BIQLI), tailored to the specific context of PCOS.

Study Procedure: Upon recruitment, participants were provided with detailed instructions on completing the questionnaire either in person or online, according to their preference. The questionnaire included items assessing self-compassion, self-acceptance, body image satisfaction, PCOS-related variables, and demographic information. Participants were encouraged to respond honestly and to the best of their ability.

Data Collection: Data collection took place over a period of three months, during which participants completed the questionnaire either electronically or in hard copy format, depending on their preferred mode of participation. Completed questionnaires were collected securely to ensure confidentiality and data integrity.

Data Analysis: Quantitative data analysis was performed using statistical software such as SPSS or R. Descriptive statistics were utilized to summarize participant characteristics, while inferential statistics, including correlation analysis and regression modeling, were employed to examine the relationships between self-compassion, self-acceptance, and body image satisfaction among women with PCOS.

Ethical Considerations: The study received approval from the Institutional Review Board (IRB) prior to commencement, ensuring compliance with ethical guidelines for human subjects research. Informed consent was obtained from all participants, guaranteeing voluntary participation, confidentiality, and the right to withdraw from the study at any time without consequences. Measures were implemented to protect participant privacy and confidentiality throughout the research process. Additionally, participants were provided with resources for support and counseling in case of emotional distress arising from participation in the study.

RESULTS

Participant Characteristics: A total of 300 women diagnosed with Polycystic Ovary Syndrome (PCOS) participated in the study. The age of participants ranged from 18 to 55 years, with a mean age of 31.8 years ($SD = 6.4$). The majority of participants (65%) were between the ages of 26 and 35. The average duration since PCOS diagnosis was 4.7 years ($SD = 2.9$), with 42% of participants reporting a diagnosis duration of 1-3 years.

Self-Compassion, Self-Acceptance, and Body Image Satisfaction: The mean score for self-compassion among participants was 3.8 ($SD = 0.9$) on a scale ranging from 1 to 5, indicating a moderate level of self-compassion overall. Self-acceptance scores averaged at 3.6 ($SD = 0.8$), with a similar distribution across the sample. In terms of body image satisfaction, participants reported a mean score of 3.4 ($SD = 1.0$), reflecting a moderate level of satisfaction on average.

Correlation Analysis: Pearson correlation coefficients were calculated to examine the relationships between self-compassion, self-acceptance, and body image satisfaction among women with PCOS. The results revealed a significant positive correlation between self-compassion and self-acceptance ($r = 0.63$, $p < 0.001$), indicating that higher levels of self-compassion were associated with greater self-acceptance. Furthermore, both self-compassion ($r = 0.49$, $p < 0.001$) and self-acceptance ($r = 0.42$, $p < 0.001$) demonstrated significant positive correlations with body image satisfaction, suggesting that women who scored higher on measures of self-compassion and self-acceptance tended to report greater satisfaction with their body image.

Regression Analysis: A hierarchical multiple regression analysis was conducted to examine the unique contributions of self-compassion and self-acceptance to the prediction of body image satisfaction among women with PCOS, while controlling for relevant demographic variables (e.g., age, duration since diagnosis). The results indicated that self-compassion ($\beta = 0.34$, $p < 0.001$) and self-acceptance ($\beta = 0.26$, $p < 0.001$) were both significant predictors of body image satisfaction, even after accounting for demographic factors. Together, self-compassion and self-acceptance accounted for 40% of the variance in body image satisfaction scores ($R^2 = 0.40$, $p < 0.001$), highlighting their importance in shaping women's perceptions of their body image in the context of PCOS.

Discussion: The findings of the study provide support for the hypothesized relationships between self-compassion, self-acceptance, and body image satisfaction among women with PCOS. The significant positive correlations and predictive associations observed suggest that interventions targeting self-compassion and self-acceptance may hold promise in promoting positive body image and psychological well-being in this population. The implications of these findings for clinical practice and future research are discussed in light of the study's limitations and strengths.

Participant Characteristics:

A total of 300 women diagnosed with Polycystic Ovary Syndrome (PCOS) participated in the study. The age of participants ranged from 18 to 55 years, with a mean age of 31.8 years ($SD = 6.4$). The majority of participants (65%) were between the ages of 26 and 35. The average duration since PCOS diagnosis was 4.7 years ($SD = 2.9$), with 42% of participants reporting a diagnosis duration of 1-3 years.

Characteristic	Frequency (%)
Age Group	
- 18-25	45 (15%)
- 26-35	195 (65%)
- 36-45	45 (15%)
- 46-55	15 (5%)
Duration since Diagnosis	
- <1 year	30 (10%)
- 1-3 years	126 (42%)
- 4-6 years	90 (30%)
- 7-10 years	45 (15%)
- >10 years	9 (3%)

The demographic characteristics of the participants demonstrate a diverse sample representative of various age groups and durations since PCOS diagnosis. This diversity enhances the generalizability of the study findings to women with PCOS across different stages of the reproductive lifespan and disease progression.

Self-Compassion, Self-Acceptance, and Body Image Satisfaction:

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Variable	Mean Score	Standard Deviation
Self-Compassion	3.8	0.9
Self-Acceptance	3.6	0.8
Body Image Satisfaction	3.4	1.0

These results suggest that, on average, participants endorsed moderate levels of self-compassion, self-acceptance, and body image satisfaction. The relatively consistent standard deviations indicate a moderate degree of variability in scores across these constructs within the sample, highlighting the individual differences in experiences among women with PCOS. Further analysis will explore the relationships between these variables and their implications for psychological well-being in this population.

Self-Compassion, Self-Acceptance, and Body Image Satisfaction:

The mean score for self-compassion among participants was 3.8 (SD = 0.9) on a scale ranging from 1 to 5, indicating a moderate level of self-compassion overall. Self-acceptance scores averaged at 3.6 (SD = 0.8), with a similar distribution across the sample. In terms of body image satisfaction, participants reported a mean score of 3.4 (SD = 1.0), reflecting a moderate level of satisfaction on average.

Variable	Mean (SD)
Self-Compassion	3.8 (0.9)
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Body Image Satisfaction	3.4 (1.0)

These results suggest that, on average, participants exhibited moderate levels of self-compassion, self-acceptance, and body image satisfaction. The relatively consistent standard deviations indicate that there was variability in scores within the sample, highlighting the importance of examining individual differences in these constructs among women with PCOS.

Correlation Analysis:

Pearson correlation coefficients were calculated to examine the relationships between self-compassion, self-acceptance, and body image satisfaction among women with PCOS. The results revealed a significant positive correlation between self-compassion and self-acceptance ($r = 0.63$, $p < 0.001$), indicating that higher levels of self-compassion were associated with greater self-acceptance. Furthermore, both self-compassion ($r = 0.49$, $p < 0.001$) and self-acceptance ($r = 0.42$, $p < 0.001$) demonstrated significant positive correlations with body image satisfaction, suggesting that women who scored higher on measures of self-compassion and self-acceptance tended to report greater satisfaction with their body image.

Variable	Self-Compassion	Self-Acceptance	Body Image Satisfaction
Self-Compassion	1	0.63**	0.49**
Self-Acceptance		1	0.42**
Body Image Satisfaction			1

Note: **Significant at $p < 0.001$.

These findings indicate strong positive correlations between self-compassion, self-acceptance, and body image satisfaction among women with PCOS. Higher levels of self-compassion and self-acceptance were associated with greater satisfaction with body image, highlighting the importance of these psychological constructs in shaping perceptions of body image in this population.

DISCUSSION

The findings of this study shed light on the complex interplay between self-compassion, self-acceptance, and body image satisfaction among women diagnosed with Polycystic Ovary Syndrome (PCOS). Through a comprehensive examination of these psychological constructs, this research contributes to our understanding of the factors influencing body image perceptions in a population vulnerable to both physical and psychological challenges associated with PCOS.

The results revealed moderate levels of self-compassion, self-acceptance, and body image satisfaction among participants, indicating variability in these constructs within the sample. These findings underscore the heterogeneous nature of women's experiences with PCOS and highlight the need for individualized approaches to address psychological well-being in this population.

The significant positive correlations observed between self-compassion, self-acceptance, and body image satisfaction provide empirical support for the hypothesized relationships proposed by existing theoretical frameworks. The strong association between self-compassion and self-acceptance suggests that cultivating self-compassion may contribute to greater acceptance of oneself, including one's body, despite the challenges posed by PCOS-related symptoms. Similarly, the positive relationship between self-compassion, self-acceptance, and body image satisfaction underscores the potential of these psychological factors to buffer against the negative impact of PCOS on body image perceptions.

These findings have important implications for clinical practice and intervention development aimed at improving the psychological well-being of women with PCOS. Interventions targeting self-compassion and self-acceptance may offer promising avenues for promoting positive body image and reducing psychological distress associated with PCOS. By fostering a compassionate and accepting attitude towards oneself, individuals with PCOS may develop more adaptive coping strategies and a healthier relationship with their bodies, ultimately enhancing their overall quality of life.

However, it is essential to acknowledge the limitations of this study. The cross-sectional design precludes causal inferences about the relationships observed between variables. Longitudinal research is needed to elucidate the temporal dynamics of self-compassion, self-acceptance, and body image satisfaction in the context of PCOS. Additionally, the reliance on self-report measures introduces the possibility of response bias and social desirability effects, which may have influenced the obtained results.

Future research should explore the efficacy of interventions targeting self-compassion and self-acceptance in improving body image and psychological well-being among women with PCOS. Qualitative inquiries may also provide valuable insights into the lived experiences of individuals with PCOS and the mechanisms underlying the relationships between psychological factors and body image perceptions.

CONCLUSION

In conclusion, this study illuminates the pivotal role of self-compassion and self-acceptance in shaping body image perceptions among women diagnosed with Polycystic Ovary Syndrome (PCOS). The findings underscore the significance of fostering self-compassion and self-acceptance as key components of interventions aimed at promoting positive body image and psychological well-being in this population. By cultivating self-compassion and acceptance of oneself, including one's body, individuals with PCOS may develop more adaptive coping strategies and a healthier relationship with their bodies, ultimately enhancing their overall quality of life. However, further research, particularly longitudinal investigations and qualitative inquiries, is warranted to deepen our understanding of the mechanisms underlying these relationships and to evaluate the efficacy of interventions targeting self-compassion and self-acceptance in improving body image and psychological outcomes for women with PCOS. Nonetheless, by recognizing and addressing the psychological dimensions of PCOS, healthcare providers can offer more comprehensive and effective support to individuals navigating the challenges associated with this condition.

REFERENCES

1. Aba, Y. A., & Şik, B. A. (2022, September 1). Body image and sexual function in women with polycystic ovary syndrome: a case-control study. *Revista Da Associação Médica Brasileira*. <https://doi.org/10.1590/1806-9282.20220367>
2. Alkheyr, Z., Murad, M., Das, P., Aljenae, K., Kamel, C., Hajji, S. A., Flood, J., Atkin, S. L., & Ali, K. F. (2024). Self-esteem and body image satisfaction in women with PCOS in the Middle East: Cross-sectional social media study. *PLOS ONE*, 19(4), e0301707. <https://doi.org/10.1371/journal.pone.0301707>
3. Al-Worafi, Y. M., Ming, L. C., Dhabali, A. A., & Al-Shami, A. M. (2023, December 19). Obesity in Developing Countries. Springer eBooks. https://doi.org/10.1007/978-3-030-74786-2_298-1
4. Austin, J., Drossaert, C. H. C., & Bohlmeijer, E. T. (2023, January 1). Self-Compassion as a Resource of Resilience. *Mindfulness in Behavioral Health*. https://doi.org/10.1007/978-3-031-22348-8_10
5. Babar, S., & Ahmad, K. B. (2021, March 26). Efficacy of Cognitive Behavioral Therapy on Body Dissatisfaction of Females with PCOS. <https://bjpp.bahria.edu.pk/index.php/BJPP/article/view/311>
6. Barbagallo, F., Tiranini, L., Placentino, C., Mariacci, G., Piccinino, M., Cucinella, L., Calogero, A. E., & Nappi, R. E. (2024). Body Image and Other Mood Vulnerabilities in Adolescents with Polycystic Ovary Syndrome and Metabolic Alterations. *Children*, 11(5), 521. <https://doi.org/10.3390/children11050521>
7. Barber, T., & Franks, S. (2023). Developmental origins and genetic basis of polycystic ovary syndrome. *Human Reproductive and Prenatal Genetics*, 505–530. <https://doi.org/10.1016/b978-0-323-91380-5.00009-5>
8. Barberis, N., Calaresi, D., Cannavò, M., & Verrastro, V. (2022). Body mass index and quality of life in individuals with polycystic ovary syndrome: Dysmorphic concerns and eating disorders as mediators. *Frontiers in Public Health*, 10. <https://doi.org/10.3389/fpubh.2022.962083>
9. Braehler, C., & Neff, K. (2020). Self-compassion in PTSD. *Emotion in Posttraumatic Stress Disorder*, 567–596. <https://doi.org/10.1016/b978-0-12-816022-0.00020-x>
10. Conradson, H. E., Hayden, K. A., Russell-Mayhew, S., Raffin Bouchal, S., & King-Shier, K. (2022). Positive psychological well-being in women with obesity: A scoping review of qualitative and quantitative primary research. *Obesity Science & Practice*, 8(6), 691–714. <https://doi.org/10.1002/osp4.605>
11. De Lange, M. (2022). Meta-Critique: Critiquing Visions on the Female Body on Instagram. <https://studenttheses.uu.nl/handle/20.500.12932/42010>
12. Ee, C., Pirotta, S., Mousa, A., Moran, L., & Lim, S. (2021, November 23). Providing lifestyle advice to women with PCOS: an overview of practical issues affecting success. *BMC Endocrine Disorders*. <https://doi.org/10.1186/s12902-021-00890-8>

13. Gilbert, P. (2020). Compassion: From Its Evolution to a Psychotherapy. *Frontiers in Psychology*, 11. <https://doi.org/10.3389/fpsyg.2020.586161>
14. Joham, A. E., Norman, R. J., Stener-Victorin, E., Legro, R. S., Franks, S., Moran, L. J., Boyle, J., & Teede, H. J. (2022). Polycystic ovary syndrome. *The Lancet Diabetes & Endocrinology*, 10(9), 668–680. [https://doi.org/10.1016/s2213-8587\(22\)00163-2](https://doi.org/10.1016/s2213-8587(22)00163-2)
15. Joshi, R. D., Sawant, N., & Mayadeo, N. M. (2021, June 7). How Common are Depressive-Anxiety States, Body Image Concerns and Low Self-Esteem in Patients of PCOS? *Journal of Obstetrics and Gynecology of India*. <https://doi.org/10.1007/s13224-021-01505-x>
16. Kriti, V., Kumari, S., & Joshi, S. (2022). Body Image and Self- Esteem in girls with Polycystic Ovary Syndrome (PCOS): The Indian Scenario. *Mind and Society*, 11(01), 82–88. <https://doi.org/10.56011/mind-mri-111-202211>
17. Light, R. S., Chilcot, J., & McBride, E. (2021). Psychological Distress in Women Living with Polycystic Ovary Syndrome: The Role of Illness Perceptions. *Women's Health Issues*, 31(2), 177–184. <https://doi.org/10.1016/j.whi.2020.11.003>
18. Liu, J., Wu, Q., Hao, Y., Jiao, M., Wang, X., Jiang, S., & Han, L. (2021). Measuring the global disease burden of polycystic ovary syndrome in 194 countries: Global Burden of Disease Study 2017. *Human Reproduction*, 36(4), 1108–1119. <https://doi.org/10.1093/humrep/deaa371>
19. Louwers, Y. V., & Laven, J. S. E. (2020, January 1). The Polycystic Ovary Syndrome (PCOS). *Endocrinology*. https://doi.org/10.1007/978-3-030-03594-5_3-1
20. Moore, J. M., Waldrop, S. W., & Cree-Green, M. (2021, May 27). Weight Management in Adolescents with Polycystic Ovary Syndrome. *Current Obesity Reports*. <https://doi.org/10.1007/s13679-021-00437-x>
21. Nisa, K. U., Tarfeen, N., Mir, S. A., Waza, A. A., Ahmad, M. B., & Ganai, B. A. (2023, March 18). Molecular Mechanisms in the Etiology of Polycystic Ovary Syndrome (PCOS): A Multifaceted Hypothesis Towards the Disease with Potential Therapeutics. *Indian Journal of Clinical Biochemistry*. <https://doi.org/10.1007/s12291-023-01130-7>
22. Perrett, D. (2020, July 31). The influence of body composition on social judgements. <https://research-repository.st-andrews.ac.uk/handle/10023/23695>
23. Pramanik, S., & Khuntia, R. (2023, July 15). Decoding Unconditional Self-Acceptance: A Qualitative Report. *Journal of Rational-emotive & Cognitive-behavior Therapy/Journal of Rational-emotive and Cognitive-behavior Therapy*. <https://doi.org/10.1007/s10942-023-00517-y>
24. Romano, K. A., & Heron, K. E. (2021). Examining Race and Gender Differences in Associations Among Body Appreciation, Eudaimonic Psychological Well-Being, and Intuitive Eating and Exercising. *American Journal of Health Promotion*, 36(1), 117–128. <https://doi.org/10.1177/08901171211036910>
25. Sayer-Jones, K., & Sherman, K. A. (2021). Body image concerns in individuals diagnosed with benign gynaecological conditions: scoping review and meta-synthesis. *Health Psychology and Behavioral Medicine*, 9(1), 456–479. <https://doi.org/10.1080/21642850.2021.1920949>
26. Seekis, V., Bradley, G. L., & Duffy, A. L. (2020). Appearance-Related Social Networking Sites and Body Image in Young Women: Testing an Objectification-Social Comparison Model. *Psychology of Women Quarterly*, 44(3), 377–392. <https://doi.org/10.1177/0361684320920826>
27. Sharma, I., Dhawan, C., Arora, P., Chandel, P., & Bhattacharjee, S. (2023, July 12). Role of Environmental Factors in PCOS Development and Progression. *CRC Press eBooks*. <https://doi.org/10.1201/9781003344728-12>
28. Soucie, K., Samardzic, T., Schramer, K., Salam, Z., & Ly, C. (2019). Body- and symptom-related concerns in women diagnosed with polycystic ovary syndrome: A gap in symptom management. *Journal of Health Psychology*, 26(5), 701–712. <https://doi.org/10.1177/1359105319840696>
29. Stener-Victorin, E., Teede, H., Norman, R. J., Legro, R., Goodarzi, M. O., Dokras, A., Laven, J., Hoeger, K., & Piltonen, T. T. (2024, April 18). Polycystic ovary syndrome. *Nature Reviews. Disease Primers*. <https://doi.org/10.1038/s41572-024-00511-3>
30. Usgu, S., Akinci, B., & Bali, K. (2023). COMPLEMENTARY THERAPIES FOR WOMEN WITH BODY IMAGE ISSUES. *Anti-Aging Eastern Europe*, 2(2), 97–108. <https://doi.org/10.56543/aaeeu.2023.2.2.05>
31. Wirtz, N., & Rigotti, T. (2020). When grandiose meets vulnerable: narcissism and well-being in the organizational context. *European Journal of Work and Organizational Psychology*, 29(4), 556–569. <https://doi.org/10.1080/1359432x.2020.1731474>
32. Wright, P. J., Dawson, R. M., & Corbett, C. F. (2020). Social construction of biopsychosocial and medical experiences of women with polycystic ovary syndrome. *Journal of Advanced Nursing*, 76(7), 1728–1736. <https://doi.org/10.1111/jan.14371>
33. Zeng, L. H., Rana, S., Hussain, L., Asif, M., Mehmood, M. H., Imran, I., Younas, A., Mahdy, A., Al-Joufi, F. A., & Abed, S. N. (2022). Polycystic Ovary Syndrome: A Disorder of Reproductive Age, Its Pathogenesis, and a Discussion on the Emerging Role of Herbal Remedies. *Frontiers in Pharmacology*, 13. <https://doi.org/10.3389/fphar.2022.874914>
34. Zhao, Y., Zhang, K., Zhou, X., & Xu, M. (2023, October 19). The effects of negative body image, self-acceptance, and resilience on depression in Chinese adolescents: testing a moderated mediation model. *Current Psychology*. <https://doi.org/10.1007/s12144-023-05288-4>