Understanding Knowledge, Attitude, Practices towards Polycystic Ovarian Syndrome (PCOS): A Review of Recent Literature

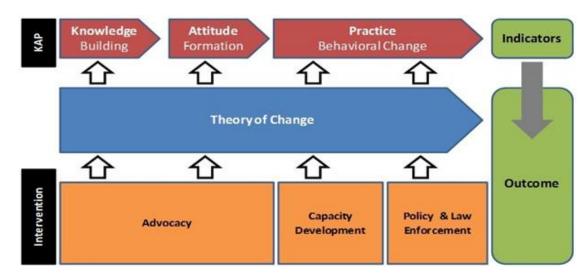
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Abstract: Polycystic Ovary Syndrome (PCOS) stands as a prevalent endocrine disorder impacting millions of women worldwide, yet there persists substantial heterogeneity in knowledge, attitudes, and practices (KAP) concerning polycystic ovarian syndrome among healthcare professionals and the broader populace. This comprehensive review endeavours to amalgamate recent literature on knowledge attitude practices towards polycystic ovarian syndrome, discerning gaps in comprehension and identifying avenues for advancement. Through an examination of studies encompassing diverse demographic groups, this synthesis aims to underscore the critical significance of heightening awareness, augmenting education, and cultivating affirmative attitudes towards the management of polycystic ovarian syndrome. Despite the disorder's prevalence, disparities persist in understanding its etiology, symptomatology, and potential consequences. Moreover, societal attitudes and stigmas surrounding polycystic ovarian syndrome can exacerbate the emotional and psychological toll on affected individuals. Thus, this review underscores the imperative of holistic approaches to PCOS management, encompassing not only medical interventions but also addressing psychological and social dimensions. By elucidating the multifaceted landscape of knowledge attitude practices towards polycystic ovarian syndrome, this review advocates for concerted efforts to bridge knowledge gaps, challenge misconceptions, and enhance support systems for individuals grappling with this complex condition. Ultimately, such endeavours hold promise in fostering improved health outcomes and overall well-being for those affected by polycystic ovarian syndrome.

Keywords: Polycystic ovarian syndrome, knowledge, practices, attitudes, management



Key Messages:

Emphasizes the importance of addressing knowledge gaps, promoting positive attitudes, and implementing effective management practices for Polycystic Ovary Syndrome (PCOS) to improve awareness, education, and support, ultimately enhancing the well-being of affected individuals globally.

Graphical Abstract:

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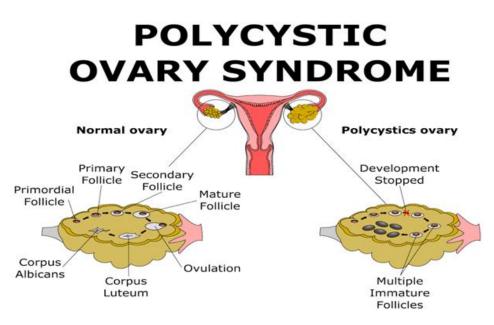
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1.Introduction

Polycystic Ovary Syndrome (PCOS) presents a complex hormonal imbalance, manifesting in irregular menstrual cycles, hyperandrogenism, and polycystic ovaries. Its prevalence exhibits regional and population-based disparities, impacting reproductive and metabolic health profoundly. Despite its clinical significance, polycystic syndrome often eludes diagnosis ovarian and comprehension, presenting challenges for both patients and healthcare providers. Understanding of polycystic ovarian syndrome, alongside attitudes and practices surrounding the disorder, profoundly influences its diagnosis, management, and overall outcomes. Enhancing knowledge about polycystic ovarian syndrome is crucial for early identification and appropriate management. Moreover, fostering positive attitudes towards polycystic ovarian syndrome can mitigate the psychological impact and societal stigma associated with the condition. Additionally,

implementing evidence-based practices in polycystic syndrome management, including lifestyle ovarian modifications and pharmacological interventions, is vital for optimizing health outcomes. However, disparities in knowledge, attitudes, and practices towards polycystic ovarian syndrome persist across different populations and healthcare settings. Addressing these disparities necessitates a multifaceted approach involving education, awareness campaigns, and healthcare provider training. By bridging these gaps in understanding and fostering a supportive environment, individuals with polycystic ovarian syndrome can access timely diagnosis, comprehensive care, and resources to effectively manage their condition. In conclusion, recognizing the multifaceted nature of polycystic ovarian syndrome and addressing knowledge, attitudes, and practices surrounding the disorder are essential steps towards improving its diagnosis, management, and overall health outcomes for affected individuals globally.



Knowledge towards PCOS:

Polycystic Ovary Syndrome (PCOS) represents a complex endocrine disorder characterized by hormonal imbalances, irregular menstrual cycles, hyperandrogenism, and polycystic ovaries. Its prevalence varies globally, affecting women of reproductive age, with significant implications for reproductive and metabolic health. Despite its clinical significance, studies have shown considerable gaps in understanding polycystic ovarian syndrome among healthcare professionals and the general population. Research conducted in diverse settings, including Pakistan and India, highlights deficiencies in knowledge concerning polycystic ovarian syndrome etiology, diagnosis, and management among undergraduate students and women of reproductive age. These knowledge gaps contribute to delays in diagnosis and suboptimal management of the condition. Additionally, misconceptions and myths surrounding polycystic ovarian syndrome prevalent in various cultural contexts further hinder effective management and exacerbate psychological distress among affected individuals. Efforts to address these knowledge gaps and misconceptions are essential. Educational interventions targeting healthcare professionals and the general population can play a crucial role in improving polycystic ovarian syndrome awareness and understanding. By providing accurate information about polycystic ovarian syndrome, its symptoms, diagnosis, and management options, these interventions aim to facilitate early detection and appropriate management of the condition. Moreover, initiatives to raise awareness about polycystic ovarian syndrome in community settings can help dispel myths and reduce stigma associated with the disorder. In conclusion, enhancing knowledge and understanding of polycystic ovarian syndrome among healthcare professionals and the general population is imperative for improving diagnosis and management outcomes. Educational interventions tailored to address specific knowledge gaps and cultural beliefs surrounding polycystic ovarian syndrome can contribute to early detection, effective management, and improved health outcomes for individuals affected by this complex endocrine disorder.

Attitudes towards PCOS:

Attitudes towards Polycystic Ovary Syndrome (PCOS) are pivotal in shaping the experiences and healthcare outcomes of affected individuals. The condition often carries a burden of stigma, shame, and embarrassment, particularly due to its association with visible symptoms such as hirsutism and weight gain. Studies conducted in various cultural contexts, including Palestine and the United Arab Emirates, have underscored the prevalence of negative attitudes and a lack of awareness towards polycystic ovarian syndrome among university students and females in the general population. In many societies, polycystic ovarian syndrome is misunderstood, and individuals affected by it may face discrimination, and isolation. judgment, social Misconceptions surrounding the disorder can exacerbate feelings of shame and embarrassment, hindering affected individuals' ability to seek support and access appropriate healthcare services. Moreover, the stigma associated with polycystic ovarian syndrome can have profound psychological effects, leading to increased stress, anxiety, and depression among those affected. Addressing stigma and fostering empathy are essential components of promoting holistic polycystic ovarian syndrome care. Initiatives aimed at raising awareness about polycystic ovarian syndrome, dispelling myths, and challenging societal norms that contribute to stigma are crucial. Education campaigns targeting healthcare professionals, educators, and the general public can help promote understanding and empathy towards individuals with polycystic ovarian syndrome. Additionally, providing psychosocial support and creating safe spaces for individuals to share their experiences and concerns can empower them to seek help and actively participate in their own care.

Practices in PCOS Management:

Practices related to the management of Polycystic Ovary Syndrome (PCOS) encompass a wide array of interventions, including lifestyle modifications, medical treatments, and psychological support. These practices aim to address the manifestations and diverse underlying metabolic dysregulations associated with polycystic ovarian syndrome. However, despite the availability of evidencebased guidelines, adherence to recommended practices remains a significant challenge for many individuals affected by polycystic ovarian syndrome. Lifestyle modifications, such as dietary changes and regular exercise, are cornerstone interventions for managing polycystic ovarian syndrome symptoms and improving metabolic health. However, implementing and sustaining these changes can be challenging due to various factors, including socioeconomic constraints, cultural norms and psychological barriers. Studies have highlighted the need for tailored interventions and ongoing support to enhance adherence to lifestyle recommendations among individuals polycystic ovarian syndrome. Furthermore, with inconsistencies in diagnostic criteria and treatment approaches across different healthcare settings contribute to variability in polycystic ovarian syndrome management practices. Research conducted in countries like India and Pakistan has revealed discrepancies in the diagnosis and management of polycystic ovarian syndrome, emphasizing the importance of standardizing clinical practices. Adopting uniform diagnostic criteria and treatment algorithms can help ensure consistency and quality of care for individuals polycystic ovarian syndrome, regardless with of geographical location or healthcare provider. Multidisciplinary care models that involve collaboration between healthcare professionals from various specialties, including endocrinology, gynaecology, nutrition, and mental health, are essential for addressing the complex needs of individuals with polycystic ovarian syndrome comprehensively. These models emphasize a holistic approach to polycystic ovarian syndrome management, integrating medical treatments with lifestyle interventions and psychosocial support services.

Interventions to Improve KAP towards PCOS:

Improving knowledge, attitudes, and practices (KAP) towards Polycystic Ovary Syndrome (PCOS) requires

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multifaceted interventions targeting healthcare professionals, patients, and the broader community. These interventions encompass educational programs, awareness campaigns, support groups, integration of polycystic ovarian syndrome education into medical curricula, and the development of culturally sensitive resources. By addressing knowledge gaps and reducing healthcare disparities, these initiatives aim to enhance polycystic ovarian syndrome awareness and empower affected individuals to advocate for their health effectively. Educational programs play a pivotal role in enhancing polycystic ovarian syndrome awareness among healthcare professionals and the general population. These programs provide essential information about polycystic ovarian syndrome etiology, symptoms, diagnosis, and management options. Continuing medical education (CME) courses, workshops, and conferences can help update healthcare professionals on the latest research findings and evidencebased practices in polycystic ovarian syndrome management. Moreover, educational initiatives targeting patients and the public can increase awareness about dispel polycystic ovarian syndrome, myths and misconceptions, and encourage early detection and timely intervention. Awareness campaigns are instrumental in raising public awareness about polycystic ovarian syndrome and promoting positive attitudes towards affected individuals. These campaigns utilize various platforms, including social media, print media, and community events, to disseminate information about polycystic ovarian syndrome symptoms, risk factors, and available resources. By highlighting the importance of early diagnosis and holistic management, awareness campaigns aim to reduce stigma, encourage dialogue, and foster a supportive environment for individuals living with polycystic ovarian syndrome. Support groups offer valuable psychosocial support and practical advice to individuals are affected. These groups provide a platform for sharing experiences, exchanging information, and accessing peer support. By connecting individuals with similar experiences, support groups help reduce feelings of isolation and empower participants to take an active role in managing their condition. Additionally, online support communities offer convenience and accessibility to individuals who may face geographical or logistical barriers to attending in-person meetings. Integrating polycystic ovarian syndrome education into medical curricula is essential for ensuring that healthcare professionals are adequately trained to diagnose and manage the condition. By incorporating polycystic ovarian syndrome-related topics into medical school curricula, residency training programs, and continuing education courses, healthcare professionals can develop a comprehensive understanding of polycystic ovarian syndrome and its implications for patient care. Additionally, interdisciplinary collaboration between healthcare professionals from different specialties, including endocrinology, gynaecology, nutrition, and mental health, is crucial for providing holistic care to individuals with polycystic ovarian syndrome. Culturally sensitive resources tailored to the needs of diverse populations can help bridge knowledge gaps and improve healthcare access for individuals with polycystic ovarian syndrome. These resources should take into account cultural beliefs, language preferences, and socioeconomic factors that may influence

polycystic ovarian syndrome awareness and management practices. By providing culturally competent care and resources, healthcare providers can enhance trust and engagement among underserved populations and reduce disparities in polycystic ovarian syndrome diagnosis and treatment outcomes.

2.Discussion

Students' understanding of diseases was insufficient. Nonetheless, there is a growing recognition that polycystic ovarian syndrome affects Pakistani women, and the study has found certain obstacles. Raising awareness of the disease and reducing stigma and hesitancy would be greatly aided by implementing awareness campaigns within academic institutions that include promoting disease education, hosting talks, and distributing merchandise with disease awareness signage. Overall, the study sample's awareness of polycystic ovarian syndrome was inadequate. Individuals with medical professionals as their information source showed higher levels of accuracy in their knowledge. In order to help with early diagnosis and enhance patientoriented outcomes, it is necessary to increase female awareness of polycystic ovarian syndrome in the United Arab Emirates. In summary, future research on improving KAP towards PCOS should prioritize evaluating interventions across diverse populations and healthcare settings, conducting longitudinal studies to assess sustained intervention effects, and incorporating patient perspectives and preferences into PCOS management guidelines. By addressing these research priorities, researchers can develop evidence-based strategies to enhance PCOS awareness, diagnosis rates, and patient outcomes, ultimately improving the quality of care and quality of life for individuals affected by this complex endocrine disorder.

3.Conclusion

In conclusion, addressing knowledge gaps, attitudes, and practices surrounding Polycystic Ovary Syndrome (PCOS) requires a multifaceted approach that encompasses awareness-raising, empathy-building, and standardization of clinical practices. By promoting understanding and empathy, we can reduce stigma and empower individuals with polycystic ovarian syndrome to advocate for their health. Standardized clinical protocols ensure consistency and quality of care across diverse healthcare settings. Collaborative efforts involving healthcare professionals, policymakers, and advocacy groups are essential for advancing polycystic ovarian syndrome care and improving the quality of life for affected individuals. Through these collective endeavours, we can work towards a future where individuals with polycystic ovarian syndrome receive timely diagnosis, comprehensive support, and personalized care, ultimately enhancing their overall health outcomes and well-being. Comprehensive support, and personalized care, ultimately enhancing their overall health outcomes and well-being.

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