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| Book Name: | [Disease and Health: Research Developments](https://www.bookpi.org/bookstore/product/disease-and-health-research-developments-vol-1/) |
| Manuscript Number: | **Ms\_BPR\_3915** |
| Title of the Manuscript:  | **Influence of BMI on Serum Adiponectin, Resistine, and FBG among Overweight and Obese Females Diabetic Patient Type2** |
| Type of the Article | **Book chapter** |

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| PART 1: Comments |
|  | Reviewer’s comment | Author’s Feedback *(Please correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)* |
| **Please write a few sentences regarding the importance of this manuscript for the scientific community. A minimum of 3-4 sentences may be required for this part.** | This manuscript offers important insights into how body mass index (BMI) affects key hormones like adiponectin and resistin in women with Type 2 diabetes. By focusing on Sudanese females, it provides valuable data from a population that may have different risk factors, helping to expand our understanding of how obesity impacts diabetes in various groups. The study shows how BMI influences levels of fasting blood glucose, adiponectin, and resistin, which are crucial for managing insulin resistance and cardiovascular health in diabetic patients. These findings contribute to the growing research on obesity and diabetes, highlighting the potential for more tailored treatments based on these biomarkers to improve patient outcomes. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | The title is generally suitable but could be more concise and specific. It currently describes the focus of the study well, but it can be simplified to enhance readability and impact.Suggested alternative title: "Impact of BMI on Adiponectin, Resistin, and Fasting Blood Glucose in Type 2 Diabetic Women" |  |
| Is the abstract of the article comprehensive? Do you suggest the addition (or deletion) of some points in this section? Please write your suggestions here. | To improve the abstract, the background should be more concise by merging related information, such as stating that obesity is a common comorbidity in Type 2 diabetes (T2DM) patients, increasing the risk of complications. The aim should be simplified to directly address the focus of the study, which investigates the relationship between BMI and biomarkers like resistin, adiponectin, and fasting blood glucose (FBG) in female T2DM patients. The methodology can be condensed by summarizing the study design and participant details without excessive technical specifics. In the results section, key trends should be highlighted without listing all p-values, focusing on significant differences in FBG, adiponectin, and resistin levels across BMI groups. Finally, the conclusion should emphasize the clinical relevance of the findings, stating that higher BMI is associated with increased FBG and resistin, and decreased adiponectin, underlining the role of adipocytokines in metabolic regulation and obesity-related complications. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | The manuscript appears scientifically correct, with appropriate methodologies, biomarker measurements, and statistical analyses. The study design and techniques used for assessing BMI, adiponectin, resistin, and fasting blood glucose are valid. However, more mechanistic explanations for the observed correlations would strengthen the scientific depth, and a brief acknowledgment of the study's limitations regarding generalizability to other populations would enhance its overall validity. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | The references in the manuscript are relevant, but many are older, with several key studies dating back to the early 2000s. While foundational, the inclusion of more recent studies from the past 5-7 years would strengthen the manuscript and provide a more up-to-date perspective on the roles of adiponectin, resistin, and BMI in Type 2 diabetes. Additional references on recent advancements in adipocytokines, newer biomarkers in metabolic syndrome, and studies in diverse populations would enhance the manuscript's relevance and reflect current trends in diabetes and obesity research. |  |
| Is the language/English quality of the article suitable for scholarly communications? | The language and English quality of the article are generally suitable for scholarly communication, but there are areas where clarity, grammar, and style could be improved. Some sentences are complex and could be streamlined for better readability. Additionally, there are occasional issues with word choice and sentence structure that may cause slight confusion. For example, phrases like "Resistine and Fasting Blood Glucose increased" could be rephrased to "Levels of resistin and fasting blood glucose increased." Improving sentence flow, eliminating redundancy, and ensuring consistency in terminology (e.g., using "resistin" consistently) would enhance the manuscript’s overall readability and professionalism.  |  |
| Optional/General comments | Overall, the manuscript presents valuable findings on the relationship between BMI and adipocytokines (adiponectin, resistin) in Type 2 diabetic females, which contributes to the understanding of obesity-related metabolic dysfunctions in this population. The study design and methodologies are solid, and the results are statistically significant. However, the manuscript could benefit from clearer organization and more concise language, especially in the abstract and results sections. Additionally, deeper mechanistic explanations for the observed correlations between biomarkers would strengthen the discussion. Consider expanding the discussion to include the broader implications of these findings in clinical practice and future research directions. Lastly, incorporating more recent references would help situate the study within the context of current research in the field. With these revisions, the manuscript has the potential to make a strong contribution to the scientific literature on obesity, Type 2 diabetes, and metabolic health. |  |

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| **PART 2:**  |
|  | **Reviewer’s comment** | **Author’s comment *(if agreed with reviewer, correct the manuscript and highlight that part in the manuscript. It is mandatory that authors should write his/her feedback here)*** |
| **Are there ethical issues in this manuscript?**  | ***(If yes, Kindly please write down the ethical issues here in details)*** |  |

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| **Reviewer Details:** |
| Name: | **Ishtiaq Ahmad** |
| Department, University & Country | **Bacha Khan Medical College, Pakistan** |