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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\_5137** |
| Title of the Manuscript: | **Clinical, Pathological, and Molecular Characteristics of CpG Island Methylator Phenotype in Colorectal Cancer in Uganda** |
| Type of the Article | **Book chapter** |

**Special note:**

**A research paper already published in a journal can be published as a Book Chapter in an expanded form with proper copyright approval.**

**Source Article:**

**This chapter is an extended version of the article published by the same author(s) in the following journal.**

**Journal of Cancer Research and Clinical Practice, 8(1): 1-12, 2025.**

[**https://doi.org/10.36266/JCRCP/147**](https://doi.org/10.36266/JCRCP/147)

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| PART 1: Comments | | |
|  | Reviewer’s comment **Artificial Intelligence (AI) generated or assisted review comments are strictly prohibited during peer review.** | 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 makes a significant contribution to the scientific understanding of colorectal cancer in sub-Saharan Africa by characterizing the CpG island methylator phenotype (CIMP) status in Ugandan patients for the first time. By revealing a lower prevalence of CIMP-positive tumors compared to Western populations, it highlights potential geographical or ethnic differences in colorectal cancer molecular pathogenesis. These findings could have important implications for treatment strategies and prevention approaches in this region, as CIMP status is associated with specific clinical outcomes and responses to therapies. |  |
| **Is the title of the article suitable?**  **(If not please suggest an alternative title)** | The title is suitable, but I suggest it could be enhanced. It could be:  "Low Prevalence of CpG Island Methylator Phenotype (CIMP) in Colorectal Cancer Patients in Uganda: A Cross-Sectional Study"  This title effectively communicates:  The main finding (low CIMP prevalence)  The population studied (Ugandan CRC patients)  The study design (cross-sectional)  The focus on CIMP status  **This title would accurately represent the content while highlighting the novel contribution of identifying a distinct epigenetic profile in the Ugandan population compared to Western countries.** |  |
| 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. | The abstract provides a good foundation but could be more comprehensive. Here are my suggestions:  **Introduction:** Consider adding a brief statement about why CIMP status is clinically important (e.g., association with prognosis or treatment response).  **Methodology:**  Include the period of the study  Mention the hospitals where patients were recruited  Clarify how MSI status was determined since it's mentioned in the results  **Results:**  Add demographic information about the study population (e.g., age range, gender distribution)  Include information about tumor characteristics (location, stage, histological features)  **Conclusions:**  Expand slightly to address the clinical implications of the findings  Consider mentioning the limitations of the study  **Keywords:** The keywords are appropriate, but consider adding "DNA methylation" as an additional keyword. |  |
| **Is the manuscript scientifically, correct? Please write here.** | Based on my review, the manuscript appears to be scientifically sound in its approach and findings. The manuscript accurately describes the three primary pathways of genomic instability in colorectal cancer (MSI, CIN, and CIMP) and effectively discusses the role of methylation in gene silencing. The relationship between CIMP and MSI status is also correctly addressed. |  |
| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.** | Based on the in-text citations visible in the manuscript, the references appear to be sufficiently comprehensive, covering key aspects of colorectal cancer genomic instability, CIMP characteristics, and methodological considerations. |  |
| 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. However, proofreading for typographical or grammatical errors would enhance the manuscript's quality. |  |
| Optional/General comments | I want to you to check this statement: “Table 17 illustrates a log binomial regression analysis for risk factors for MSI CRC.” Do you mean Table 1 |  |

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| **PART 2:** | | |
|  | Reviewer’s comment | Author’s comment *(if agreed with the 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 detail)* |  |

**Reviewer details:**

**Taiwo Temitope Ogunjobi, Ladoke Akintola University of Technology, Nigeria**