Review Form 1.7

Journal Name:	Journal of Advances in Medicine and Medical Research.
Manuscript Number:	**Ms_JAMMR_122709**
Title of the Manuscript:	**Impact of Metformin on Weight Loss in Patients with Type 2 Diabetes: An Updated Systematic Review & Meta-Analysis**
Type of the Article	**Originally**

PART 1: Review Comments

	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)*
Compulsory REVISION comments **1. Is the manuscript important for scientific community?** (Please write few sentences on this manuscript) **2. Is the title of the article suitable?** (If not please suggest an alternative title) **3. Is the abstract of the article comprehensive?** **4. Are subsections and structure of the manuscript appropriate?** **5. Do you think the manuscript is scientifically correct?** **6. Are the references sufficient and recent? If you have suggestion of additional references, please mention in the review form.** **(Apart from above mentioned 6 points, reviewers are free to provide additional suggestions/comments)**	**Yes** **Title should be revised as epigenetic association with disease risk factors** **Abstract need revised** **Yes but it should revise** **Gene Expression Regulation: Epigenetics involves the study of heritable changes in gene expression or cellular phenotype without alterations in DNA sequence. It's crucial for regulating which genes are turned on or off in different cell types and at different stages of development.** **2. DNA Methylation: One of the key mechanisms of epigenetics is DNA methylation, where methyl groups are added to DNA molecules, typically at cytosine bases within CpG dinucleotides. Methylation patterns can regulate gene expression by affecting chromatin structure and accessibility to transcription factors.** **3. Histone Modifications: Histones are proteins around which DNA is wrapped, forming chromatin. Epigenetic modifications, such as acetylation, methylation, phosphorylation, and ubiquitination of histone tails, can alter chromatin structure and gene expression by influencing how tightly or loosely DNA is packaged.** **4. Non-coding RNAs: Epigenetic regulation also involves non-coding RNAs, such as microRNAs and long non-coding RNAs (▪**	
Minor REVISION comments **1. Is language/English quality of the article suitable for scholarly communications?**	It's ok	
Optional/Generalcomments		

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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)*	

Reviewer Details:

Name:	**Mubashir**
Department, University & Country	**Ziauddin University, Qatar**