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| Book Name: | **MEDICINE ESSENTIALS IN CLINICAL PRACTICE** |
| Manuscript Number: | **Ms\_BPR\_4080.3** |
| Title of the Manuscript:  | **Metabolic Syndrome** |
| 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 provides an essential clinical reference on metabolic syndrome, comprehensively covering pathophysiology, diagnosis, and management. It's particularly valuable for primary care physicians , incorporating recent insights on inflammatory markers and subclinical hypothyroidism's role in metabolic syndrome. |  |
| **Is the title of the article suitable?****(If not please suggest an alternative title)** | Yes, "Metabolic Syndrome" is appropriate and concise. |  |
| 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. | No abstract present. |  |
| **Is the manuscript scientifically, correct? Please write here.**  | Content is scientifically sound but needs updates:* Add quantitative data on prevalence
* Update treatment guidelines with recent evidence

Additionally, several technical corrections are needed:Text Corrections:* Change "pcos" to “PCOS”
* Fix "n" typo at start of epidemiology section
* Change "At least" to "at least" in physical fitness section
* Complete incomplete sentence in obesity section
* Change "b/w" to "between" in LDL cholesterol section
* Change "ex:" to "example:"
* Change "atorvas" to "atorvastatin"
* Change "rosuvas" to "rosuvastatin"
* Change "DOC" to "drug of choice"

Image Corrections:* Add title above image (e.g., "Figure 1: Pathophysiological Mechanisms of Metabolic Syndrome")
* Number figures sequentially and reference in text
* Add detailed caption below image
* Include abbreviations list below caption explaining all terms (IL, TNF, CRP, etc.)
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| **Are the references sufficient and recent? If you have suggestions of additional references, please mention them in the review form.****-** | References need updating:* Current editions needed (Harrison's 20th, Williams 14th)
* Add recent clinical trials and meta-analyses which is mentioned in text in subclinical hypothyroidism and metabolic syndrome section.
* Include guidelines (AHA/ACC, IDF)
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| Is the language/English quality of the article suitable for scholarly communications? | Requires editing for:* Sentence structure
* Grammar consistency
* Technical terminology standardization for example, MetS" and "Metabolic Syndrome" used interchangeably, Standardized: Use "Metabolic Syndrome" at first mention with abbreviation "(MetS)" in parentheses, then consistently use "MetS" throughout.
* Section formatting
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| Optional/General comments |  Add flow diagrams for pathophysiology  Include treatment algorithms  Incorporate case studies |  |

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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: | **Md Shahid Iqubal** |
| Department, University & Country | **Alhuda Clinic, India** |