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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.) |  |
| **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) |  |
| 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 |  |
| 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** |