Review of: "The Application and Pathway Regulation of Traditional Chinese Medicine in Lung Cancer Treatment: An Exploratory Review"

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Thank you for the opportunity to review the manuscript titled: (The Application and Pathway Regulation of Traditional Chinese Medicine in Lung Cancer Treatment: An Exploratory Review)

There are some areas where the text could be improved. Please find my detailed comments below:

Abstract:

  - The abstract contains long sentences that may hinder readability. Consider breaking them down into smaller, more digestible segments.

  - The phrase "Recent studies have found" lacks specificity. It would be beneficial to include references or a specific timeframe to enhance the credibility of the statement.

  - The term "impede NSCLC development" might be confusing and could benefit from clarification or rephrasing.

  - The abstract mentions "levels of molecular biology, network pharmacology, etc." but lacks specificity. Specify the exact levels or methods to be explored for a more focused research direction.

Introduction:

  - The introductory paragraph is informative, but the last sentence is quite lengthy and may benefit from restructuring for improved readability.

  - The phrase "in both incidence and mortality rates among cancers in China" can be clarified to provide a more precise comparison.

NF-κB Signaling Pathway Section:

  - The section lacks subheadings or a clearer structure, making it challenging to follow. Break down the content into more digestible subsections.

  - The information on the NF-κB pathway is detailed but might be too technical for a broad audience. Consider simplifying the language for better comprehension.

MAPK Signaling Pathway Section:

  - Similar to the previous section, the content lacks subheadings or a clear structure. Enhance readability by organizing the information more systematically.

  - The paragraph on the ERK pathway could be more concise, avoiding redundancy and focusing on key points.

Monomeric Traditional Chinese Medicine Section:

  - The information on each traditional Chinese medicine component is detailed but might be overwhelming for readers not well-versed in biochemistry. Simplify the language without compromising scientific accuracy.

Triptolide Subsection:

  - The subsection contains a wealth of information but could benefit from clearer organization and a more defined structure.

  - Consider avoiding the repetition of phrases like "Recent studies have found" for a more concise presentation.

Curcumin Subsection:

  - The subsection is comprehensive but contains dense information. Break it down into smaller, focused paragraphs for improved clarity.

  - Ensure consistent use of terminology, especially in phrases like "Cur's effective activation of Keap1 transcription," which could be clearer.

Ginsenoside Rg3 Subsection:

  - Similar to other subsections, the content lacks a clear structure. Enhance readability by organizing the information in a more logical flow.

  - The information on Rg3 and gemcitabine is intricate and might be challenging for non-experts. Consider simplifying the language for broader accessibility.

Leonurine Subsection:

  - The subsection provides detailed information but lacks a smooth transition between points. Improve the flow by connecting sentences more cohesively.

  - Consider simplifying the language in phrases like "Leonurine inhibits the proliferation of A549/DDP cells in a time- and dose-dependent manner" for better comprehension.

Other Active Monomers of Traditional Chinese Medicine Subsection:

  - The subsection is information-rich but lacks a clear organization. Break down the content into smaller, focused

segments.

  - The information on tanshinone and DDP is complex; simplify the language to enhance understanding for a broader audience.

Conclusion:

  - The introduction provides a general overview, but the statement, "which directly results in a scarce chance of cure through surgical resection," could be rephrased for clarity.

  - Consider providing specific statistics or references to support claims about the percentage of patients diagnosed at an advanced stage.

  - The phrase "scarce chance of cure" might be overly pessimistic. Instead, consider using more neutral terms like "limited likelihood of cure" to maintain objectivity.

  - The concluding sentence of the introduction is quite lengthy. Breaking it down into two or more sentences would enhance readability.

  - The conclusion provides a general summary, but it could benefit from a more explicit connection to the main points discussed in the body of the article.

  - Consider avoiding vague phrases like "comprehensively enhancing the treatment effects" and provide specific outcomes or evidence to support this claim.