

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

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Potential competing interests: No potential competing interests to declare.

The paper requires extensive revision, particularly the references.

This process allows p50/p65 NF- κ B to enter the cell nucleus to regulate genes, thereby controlling the expression of TNF α , LPS (Lipopolysaccharide), BCL-2, etc.

do you mean LPS Response? LPS is not a human gene

The non-classical pathway is mainly activated by factors such as B cell-activating factor (BAFF) and lipoteichoic acid (LTA)

again, you mix endogenous factors with exogenous one, LTA is from bacteria. Even if the sentence is correct, you may split it into two parts, specifying endogenous and exogenous activating factors

Reviewing the role of NF- κ B in NSCLC-related cellular apoptosis, angiogenesis, EMT, metastasis, and stemness : the sentence is confusing me. it would be positive if NSCLC could activate apoptosis. As I see it, the sentence could be: "in NSCLC, in regulating cellular anti-apoptosis signals, angiogenesis, EMT, metastasis, and stemness"

Since the title is The Application and Pathway Regulation of Traditional Chinese Medicine, when you write: "After treating A549 cells with resveratrol, the expression of NF- κ B mRNA in the cells was reduced to 29.72% of the total mRNA, and the proliferation of A549 cells was inhibited in a time- and dose-dependent manner" it occurs to quote a paper in which a pathway dependent on resveratrol is explained in detail. I am not asking you to quote me, but you can get suggestion about microRNAs regulated by stilbenes (some of them involved in silencing cell growth inhibitor CDKIs) in : Poltronieri P, Xu B, Giovanazzo G. Resveratrol and other Stilbenes: Effects on Dysregulated Gene Expression in Cancers and Novel Delivery Systems. *Anticancer Agents Med Chem.* 2021;21(5):567-574.

Artemisinin (ART) is a derivative of artemisinin: no, it is the same compound, the antipiretic and antimalarian drug from Artemisia plants

Additionally, the p38 MAPK pathway in MAPK: delete "in MAPK"

DDP primarily prevents cancer cell DNA replication by producing intrastrand and interstrand DNA crosslinks, thereby cancer cells. Thereby requires a verb, maybe: thereby cancer cells produce chromosome instability, aberrations....

downregulating the expression of miR-186* in A549/DDP: you should explain the role of this miRNA or that of target mRNAs

Rg3... reduce the expression of PD-L1 induced by chemotherapy resistance: It requires at least one citation. example:

Jiang Z, Yang Y, Yang Y, Zhang Y, Yue Z, Pan Z, Ren X. Ginsenoside Rg3 attenuates cisplatin resistance in lung cancer by downregulating PD-L1 and resuming immune. *Biomed Pharmacother.* 2017 Dec;96:378

Reference 17 "*How to regulate the metastasis of non-small-cell lung cancer*" is important, but you wrote it without explaining anything about the signaling pathways. A line on the role of small and long non-coding RNAs may help.

References 1 and from 32 to 59 have nothing to do for the paper to be published. Please find papers related to lung cancer and traditional medicine, the following are not related:

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