

Review of: "Metabolic Reprogramming and Cancer: 2022"

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Potential competing interests: The author(s) declared that no potential competing interests exist.

Overall evaluation

It is a descriptive but also confusing review, which should be made more systematic, dividing it into paragraphs based on the tumor considered, and indicating with diagrams which molecules of plant origin can reverse the metabolic fate of the cancer cell.

It would also be useful to indicate the dosages used, because, for example, the anti-tumor efficacy of glucosinolates is linked to the concentration of this molecule.

Major remarks

All abbreviations need to be explained the first time that they are used in the text.

On page 9 the author talks about the role of 2 polyphenols (luteolin and quercetin) and does it in a generic way. The modes of action of other molecules should be indicated.

Minor remarks

Page 2, 3rd line. What does it mean "40 lakh cancer cases" ?

Page 2 line 8. "but it of high importance" Probably it is better to write "but It is of high importance".

Page 3, line 3. Please specify the meaning of EMT (probably Ephenelial Mesenchinal Transiction).

Last line. What is EMT-EMT ?

Page 4, line 10. Please insert a bar space between "inHNF1 α ".

Page 4 lines 25-26. References must be cited in the text using the number alone. Please erase Authors of reference n° 31: ; Wang et al., 2011.

Page 7, line 17. Since CSCs is plural, it is better use "grow" instead od "grows"

Table 2. The meaning of each symbols (star, circle) must be reported. Furthermore, the two figures should be better explained.