# Article information:

The role of m6A modification in the biological functions and diseases - PMC  
<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC7897327/>

# Article summary:

1. m6A modification is a prevalent and conserved internal cotranscriptional modification in eukaryotic RNAs, which plays essential roles in both physiological and pathological conditions.

2. The m6A modification process is regulated by writers, erasers, and readers, including METTL3/14/16, FTO, YTHDF1/2/3, etc.

3. Recent studies have shown that m6A RNA methylation influences the progression of different types of human cancers in hematopoietic, central nervous and reproductive systems, offering potential targets for cancer therapy in the future.

# Article rating:

Appears moderately imbalanced: The article provides some useful information, but is missing several important points or pieces of evidence that would be required to present the discussed topics in a balanced and reliable way. You are encouraged to seek a more balanced perspective on the presented issues by exploring the provided research topics and looking at different information sources.

# Article analysis:

作为一篇综述性文章，该文对m6A RNA修饰在生物学功能和疾病中的作用进行了概述。文章提到了m6A修饰的写入、擦除和读取机制，以及其在不同类型癌症中的生物学功能和分子机制。然而，该文存在以下几个问题：

1. 偏重于肯定m6A修饰的重要性，缺乏对其负面影响的探讨。虽然文章提到了m6A修饰在某些情况下可能会促进癌症发展，但并没有深入探讨这种负面影响可能带来的风险。

2. 缺乏对其他RNA修饰形式的比较和探讨。尽管文章提到了其他类型的RNA修饰，但并没有与m6A进行比较或探讨它们之间的相互作用。

3. 文章未能充分考虑不同组织和器官之间m6A修饰差异性及其可能导致的生物学后果。例如，在不同类型癌症中m6A修饰可能具有不同的作用，但该文未能深入探讨这一点。

4. 文章未能涉及与m6A相关的伦理、法律或社会问题。例如，在使用RNA编辑技术时如何确保安全性和道德性等问题。

5. 该文存在语言表达上的问题，如句子结构复杂、术语使用不够清晰等，可能会给读者造成困惑。

总之，虽然该文提供了关于m6A RNA修饰在生物学功能和疾病中作用方面的一些信息，但仍需要更加全面、客观地探讨其优缺点，并注意到其中存在偏见或片面报道等问题。

# Topics for further research:

* Negative effects of m6A modification
* Comparison with other RNA modifications
* Tissue-specific differences in m6A modification
* Ethical
* legal
* and social issues related to m6A modification
* Language expression issues in the article
* Biased or one-sided reporting in the article

# Report location:

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