# Article information:

Transcranial magnetic stimulation: a primer - PubMed  
<https://pubmed.ncbi.nlm.nih.gov/17640522/>

# Article summary:

1. Transcranial magnetic stimulation (TMS) is a noninvasive technique for stimulating the human brain by generating a brief, high-intensity magnetic field through a magnetic coil.

2. TMS can be used to map brain function and explore the excitability of different regions, with most studies focusing on the motor cortex where a muscle twitch can be produced.

3. TMS has clinical utility and is being developed for various therapeutic purposes due to its ability to influence brain function if delivered repetitively.

# 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:

作为一篇综述文章，本文对经颅磁刺激（TMS）的基本原理、应用和临床意义进行了简要介绍。文章没有明显的偏见或宣传内容，但也存在一些缺失和片面的情况。

首先，文章没有提到TMS可能存在的风险和副作用，如头痛、眩晕、抽搐等。这些风险虽然较低，但仍需要被注意和警惕。

其次，文章只涉及了TMS在探索大脑功能和治疗方面的应用，但并未提及其在神经科学研究中可能存在的局限性和争议。例如，在使用TMS测量大脑活动时，可能会受到个体差异、测量误差等因素的影响。

此外，文章也没有探讨TMS与其他神经调控技术（如深部脑刺激）之间的比较和优劣势分析。这些都是需要进一步探讨和研究的问题。

总之，虽然本文对TMS进行了简要介绍，并提及了其应用和临床意义，但仍存在一些缺失和片面之处。读者需要结合其他资料进行全面了解和评估。

# Topics for further research:

* Risks and side effects of TMS
* Limitations and controversies in TMS research
* Factors affecting TMS measurements of brain activity
* Comparison and analysis of TMS with other neuroregulation techniques
* Further exploration and research needed in TMS
* Comprehensive understanding and evaluation of TMS through additional resources

# Report location:

<https://www.fullpicture.app/item/c249216c446c1d8299fc3d3939a42bb6>