**Subject Code and Section Number: COM101 – ZZC**

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**Academic Response:**

In the article the author argues that a new technique known as the agonist­-antagonist myoneural interface, which was recently tested in rodents has been developed, which has the potential of being a cure for joining the muscles of the limb to the nerve ending that are on the human body. I agree with the author and think that this can be one of the biggest developments that has been made in the field of amputations and prosthetic limb attachments.

To begin with, in the article the author describes that a team at MIT has been operating on seven rats and by using a pair of lab-made muscle the rats were able to heal in about four months, with creation of new nerves and blood vessels under a microscope. This can be seen as a huge step forward, historically it has been seen that there is plethora of biological similarities between the rats and the humans and if this experiment was successful on the rodents, then there are chances that it can work on humans too. (Hutson, 2017)

Moving further, a researcher also describes this as a fairly low-risk and a minor surgery. Due to the lower risk nature of this technique, there may be less side-effects that are underlying in the treatment which may make it a good contender for treating it as a prosthetic limb attachment.

To sum it up, I just want to say that the recent development in the field of prosthetic limb attachments which goes by the name, agonist­-antagonist myoneural interface has a lot of potential in helping many people. Human trials have also been started on this and in few years we will see the changes it makes to the lives of affected people.

**Transfer Response:**

**The art of persuasive writing: a summary of techniques used by Matthew Hudson to captivate the readers.**

In the article, “This new surgical procedure could lead to lifelike prosthetic limbs” Matthew Hudson has used various techniques to grab the attention of the audience by using various persuasive writing techniques. As a young writer, these techniques can be very effective for new budding authors and can help then in increasing their readers.

To begin with, the author has a very clear objective and has identified an addressable problem which is the main basis of writing this article, the author describes the current limitations in prosthetic limbs as a problem and describes solutions including techniques like agonist­-antagonist myoneural interface, which can be seen as a viable treatment in the future. Having a clear problem statement in the mind is the first step that can be vital in building a good and strong article. (Hutson, 2017)

The author also used a very captivating heading to grab reader’s attention. A good heading can be the basis of a great article. By using a very inviting heading, the author promises the audience an interesting read which is delivered in the text.

Moving forward, the author has also used credible sources in their writing which makes the article trustworthy. For instance, the author has used the research done by the team at MIT researching on rats and the author has also cited researchers like Rickard Branemark, increasing the reliability of the text. Having some reliable citations of the people expert in this particular field can lead to more captivation for the readers while they are reading the article (Hutson, 2017)

Moreover, to increase the emotional appealing aspect of this article the author has also included the story of Herr, and how he is waiting in line for the treatment because he lost his legs due to a frostbit while ice climbing. (Hutson, 2017) Having an emotional aspect to the writing can help the author in conveying the true emotion to the reader and enrich their experience.

However, this article is not only based on emotional aspect, but it also presents logical arguments including how this procedure works and scientific explanations behind them, which balances the logical and emotional aspect of the topic.

Lastly, the author ended the article with an unclosed ending where he anticipates that the new methods of prosthetic limbs can lead to vast developments in the future and also talks about the patients waiting for the results of human trails which will come within next 2 years.

To sum up, I just want to say that this article by Matthew Hudson is a perfect example of captivated writing we can take a lot of inspiration from this article about how to charm the reader while writing an article.

# **Bibliography**

Hutson, M. (2017, May 31). *This new surgical procedure could lead to lifelike prosthetic limbs.* Retrieved from science.org: https://www.science.org/content/article/new-surgical-procedure-could-lead-lifelike-prosthetic-limbs#:~:text=The%20new%20technique%2C%20called%20an,back%20right%20leg%20of%20each