

Chip Implants in the Human Brain: Ethical Study Based on Christ's Word

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Abstract: Chip's vocabulary can be immediately associated with the sign of the beast in Revelation 13. And the chip itself has developed rapidly, especially to become functional because of the stagnation of nervous function, especially in regulating limb movement. That's why in the medical world, the imposition of chips is a new hope for the contents of human life to function again. The effect of chip imposition is not null, there is an impact mainly on chip calibration and disturbance to the patient. The study of the diffusion of innovation theory requires the principle or principle of compatibility so that the product is of value to humans. The marks worn by both the name written on the human forehead and the number 666 on the human hand, the context is the transfer of worship from Christ to living idols. The crisis before the day of the Parousia indicates that the righteous should equip themselves with the freedom to choose to remain obedient to Christ or to turn to the beast and his image.

Keywords: chip, compatibility, 666, freedom, Christ

1. INTRODUCTION

Elon Musk, a world conglomerate and the owner of SpaceX and Tesla Electric Cars, showed a video. It contains a video about a monkey being able to play games and implanting a chip in his brain. This is a huge leap forward in the use of technology in animal brains. And the next stage is human, whether a man needs to use a chip in his brain is still a question.

The picture of evangelical concerns, of course, revolves around the presence of computational fusion in the human body and the reality that the mark of the Beast, the name of the animal in the book of Revelation interferes with the privacy of believers. The root of this confusion raises interesting questions about the merging of the human body and identification by biohackers. The religious fear that everyone might need to be physically tagged in order to pay for goods and move freely shares a lot with the concerns expressed by mainstream privacy advocates because of the devil's work in people's lives.

The results of the research carried out show a view of increasing human capacity to be faster and more powerful. When a chip is implanted into the human brain, according to Todd Daly, a professor of theology and ethics at Urbana Theological Seminary, a lot of evangelical leaders and pastors will see [technological advancement] as unwise and will ask people to avoid it. The statement implies that religious

groups see this as a moral issue, in contrast to atheists and agnostics (who are also members of a family of atheists). The latter two schools see this as not a moral issue. They are open to the important realities of human improvement for societal change.

Human transponder implants as they are called have garnered attention from technology experts such as Australia's Katina Michael and M.G. Michael from USA. Both try to look at a broad spectrum and its implications both socially, culturally and ethically. The two authors are from the science education background and the other is the humanities. They recorded the changes and leaps that occurred in human civilization.

Katina Michael & M.G. Michael, (2006) describe it took humanity more than 2 million years to invent wheels but only about 5,000 years more to drive those wheels with a steam engine. The first computers filled entire rooms, and it took 35 years to make the machines fit on a desk- but the leap from desktop to laptop took less than a decade. What will the next decade bring, as we move into a new millennium? That's getting harder and harder to predict. By paying attention to the rate of technological change that is increasingly capable in human life, there is actually the potential to estimate its impact on the content of human life. The potential to criticize the various possible influences on the technology, especially in human decision making. The problem is, the normative view based on the text of the Bible is not fast enough to deal with the pace of change and the impact it has.

Automatic Identification Limit

Automatic identification is the process of identifying animate or inanimate objects without direct human intervention. Before having auto-ID, there were only manual identification techniques, such as tattoos and fingerprints, which did not allow automatic data retrieval. Auto-ID activates e-business applications when authorization or verification is required before transactions can be made.

The OI limitation illustrates that privacy matters have been inputted into digital format and the entity is a combination of individual data with various purposes that will be carried out by the end-user. With the hope of realizing the effectiveness and efficiency of daily tasks. And in its application to the human brain, the use of chips at least gives an idea of the

expertise of a group of scientists in algorithms to decode what the brain does and turn it into action.(7)

The History of Using the Identification Automation

Since the 1960s, automatic identification has evolved primarily for mass market applications such as electronic banking and ID cards. Together with the increase in computer processing power, storage equipment, and network capabilities, miniaturization and mobility have increased the significance of auto-ID for e-business, especially mobile commerce.

Citizens now carry multiple devices with multiple IDs, including ATM cards, credit cards, private and public health insurance cards, retail loyalty cards, school student cards, library cards, gym cards, licenses to drive cars, passports for traveling by air and ship, voting cards, etc. More sophisticated auto-ID devices such as smart cards and tags and radio frequency identification (RFID) transponders that hold unique lifetime identifiers or biometric templates are increasingly being considered for business-to-consumer (B2C) and government-to-citizen (G2C) transactions. The author on a service trip to Australia in 1995 (with the Australian Compassion International organization and Nexus Asia) was informed by a colleague that in the future, computer equipment and the necessities of human life will be integrated in the palm of his hand in the form of a cell phone. The friend's statement has now become a reality.

Now, it can be seen, for example, that there is a strong desire on the part of the regulators to minimize the use of cash in transactions and has emerged to use non-cash transactions. And many institutions that serve the public interest are now more advanced both in framing within the network, outside the network, in bio-metric references to paper less. Balanced with speed and accuracy of transactions. Changes in humans both socially and in communication, in cultural and religious networks to economic transactions, weapons/defense to politics have become a contemporary reality.

Ethical Problems

Before formulating what and how to actually implant a chip in the human brain, it's good to pay attention to some views on human life and its environment today which are colored by computing and artificial intelligence.

Michael & Michael (2004) in McGinity explain that chip can reveal personal information, medical background, insurance, banking information, passport information, address, phone number, social security number, birth certificate, marriage certificate." This kind of data collection is considered by libertarians as "crypto-fascism or high-tech slavery".

While Covacio, (2003) one of the few authors addresses the potential technological issues associated with microchips for human ID from a health perspective. He argues and provides evidence by telling: implants can adversely affect humans, categorizing them into thermal (i.e. a whole/partial increase in

body warming), stimulation (i.e. excitation of nerves and muscles) and other effects which are largely unknown at this time.

Besides, Trull D proposes that the increasing cultural acceptance of high-tech gadgets has led to a new way of thinking: robotic implants can be so lucrative that people may actually want to be cybernetic organisms, with choice. The popularization of the cyber-punk genre has shown that having a chip in one's head is cool.(11)

From some of these views, there are ethical issues in human life who use chips in their brains. The problem in the realm of Christian ethics ends as follows:

The use of chips in the human brain, if examined teleologically, because it departs from the desire of the initiator so that humans become more powerful, faster and more accurate, will cause new problems, especially in the relationship between technology and human values in which the chip is implanted, especially in human freedom and control over their lives.

From the formulation of this substantive problem, at least there is a critical point in the study of the harm of implanting chips in the human brain. Namely, the constitutional and social issue of who will have power over the chip and the information gathered through those means on the one hand and on the other hand the complexion of science having a proven way of getting into uncharted territory first, then asking questions about the implications later. This fact should receive important attention in the study.

Recent developments regarding chip placement and positives are commented on by Wikipedia.(12) Recent advances in neurostimulating technology and neuroimaging, together with an increased understanding of neural circuits, are contributing factors to the rapid increase in the use of neurostimulation therapy to treat an increasing number of neurological and psychiatric disorders. Electrical stimulation technology is evolving after remaining fairly stagnant over the past 30 years, moving towards the potential of closed-loop therapeutic control systems with the ability to deliver stimulation with higher spatial resolution to deliver continuously tuned neuromodulation for optimal clinical outcomes. The need for stimulation of the human nerves can be met through the use of these neuroimaging and neuroimaging technologies.

In 2012, a landmark study in Nature, led by pioneer Leigh Hochberg, showed that two people with tetraplegia were able to control a robotic arm through their minds when connected to the BrainGate neural interface system. Both participants were able to reach and understand objects in three-dimensional space, and one participant used the system to serve himself coffee for the first time since being paralyzed nearly 15 years earlier. The picture of an improvement due to being paralyzed is now possible because of artificial technology aids.

In October 2020, two patients were able to wirelessly control a Surface Book 2 running Windows 10 to text, email, store, and bank using direct thinking via the Stentrode brain computer interface. This is the first time a brain-computer interface has been implanted through a patient's vein, eliminating the need for open brain surgery. This review shows the role of technology in human life. This product gives great hope for people with limb paralysis so that they can function again.

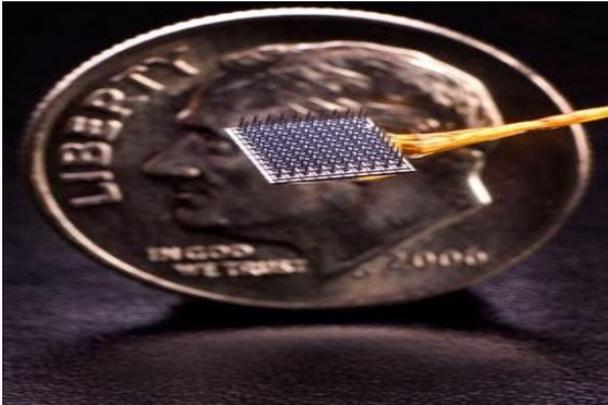


Fig 1. Braingate and Stentrode's brain computer

Braingate and Stentrode's brain computer are believed to be able to provide answers to problems that have paralyzed human activity for various reasons. Yet how does the human mind find protection and it remains in its own control?. As such humanist thought alludes to, Sadja states that "one's private mind is important to protect" and does not consider it a good idea to simply ask any government or company to protect them. BrainGate's diverse and collaborative team creates and tests the tools that usher in a new era of transformative neurotechnology. Using a series of micro-electrodes implanted into the brain, the collaborative team's pioneering research has shown that neural signals associated with the intent to move a limb can be "translated" by a computer in real-time and used to operate external devices. Developed since 2002, BrainGate is a combination of hardware and software that directly senses electrical signals in the brain that control movement. The device - electrodes the size of a baby aspirin - is implanted in the cerebral cortex (outer layer of the brain) and records the signal; Computer algorithms then translate the signals into digital instructions that allow people with disabilities to control external devices.

A brain-computer interface (BCI), sometimes called a neural control interface (NCI), mind-machine interface (MMI), direct neural interface (DNI), or brain-machine interface (BMI), is a direct communication pathway between the brain that upgraded or external cables and devices. BCI is often directed at researching, mapping, assisting, augmenting, or improving human sensory motor or cognitive function.(14)

Walter Glannon, a neuroscientist from the University of Calgary noted that "there is a risk of microchips being hacked by third parties" and that "this could interfere with the user's

intention to take action, violate privacy by extracting information from the chip." (15) Chip-based technology products are vulnerable to being hacked or hacked because someone's evil intentions.

II. ETHICAL STUDY BASED ON CHRIST'S WORD

Interpretation Approach

Navigating the ocean of symbiosis of humanity and implanted technological devices requires adequate understanding. Where the phenomena of privacy and individual data are crossed or synergized with chips so that this human figure is better and is expected to bring wider social change. Such hope requires a perspective from outside the human self and the technological assumptions that give birth to the importance of the chip into the human brain. This fact still leaves whether there are any previously proven technical conclusions for ethical reasoning to get a positive and useful assessment.

Ethical considerations on the use of chips in human life are both acceptance of it and resistance because it is considered to replace the position of Christ the eternal Creator and become important material in exploring its influence on the lives of believers.

So from this point of view, the description of its ethical interpretation includes the things described below:

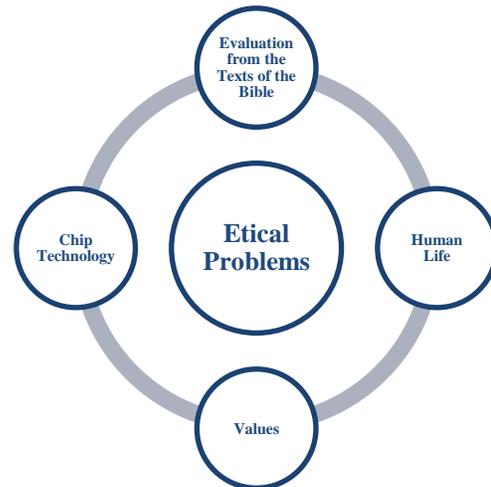


Fig 2. Interpretation Approach

the segment of implanting chips in the human brain is the next development after the use of biometric scanning such as withdrawing money without using an ATM. This advanced stage at least is a creative nous (mind) impulse or gust, it is even possible to search for his identity as a smart human being. However, ignoring the presence of God the Creator. This is possible because the human brain, which has the potential to examine various possible causal relationships outside of itself, gets help from the results of the analysis carried out by the chip. Humans have broader considerations because of the help of artificial intelligence. The point is that the superhuman brain can act autonomously.

However, the description of humanity plus the chip is not a real entity if you use the eyes of the Word and the text in it. Especially when the Word gives an indication of the need for wisdom in understanding the signs that accompany the antichrist. This figure may be a human form but has great potential to divert the believer's faith from Christ's redemption and eschatological hope in Him. Control over self and human life when he received the chip he actually gave himself to the global controller/antichrist who is powerful in technology.

The message from the Word and the texts in it become the highest measure and the most appropriate criteria in assessing the various possibilities and impacts of using chips in the human brain and body. Possibility to accept it within certain limits if it is possible and the rejection of the use of the chips because it would be in harmony with God's purpose in Christ. The first is accepting because he believes that his reasoning potential can be increased more quickly. While the latter rests on the value of humans and the atoning work of Christ far exceeds the value of artificial intelligence technology itself.

To ensure that it is ethically based on Christian theology, it must at least meet the underlying theoretical requirements. As it is recognized that the technology itself is the result of innovation and the test of the product itself must include whether this chip product is compatible with end-users in the future? Whether it's with regard to existing values, past experiences and future needs.

Ethical Approach – Values and Human Freedom in a Technological Frame

The advancement of technology as a result of the culture of human thought was prophesied by Daniel. The revelation of the rapid advancement of technology is actually the development and modification of previous technologies. There is no technological progress without being based on the principles of science and existing products.

Whether it's radio waves for example and nano technology to 5 G technology at a speed of two hundred times that of 4 G. improved, revised and prototyped first to the final product before being marketed to the consumer community. The same with biometrics in human hands.

Human and the freedom that is inherent in him is a necessity. However, this human freedom has become an arena for the battle between the interests of God and the devil from the beginning. Satan himself is a product of failure because he left his identity as a created being. There is no truth in him. Satan with his passions decided to become a rival to Allah the Creator and he influenced a third of the angels for the purpose of going against Allah's decrees. It is undeniable that the devil also reads the progress of human civilization and technological capabilities resulting from the development of human reason on this earth. As a stowaway, he wanted to make sure humans could be influenced and controlled in exactly the same way when he succeeded in carrying out his mission to the first humans Adam and Eve.

In terms of the presence of a message from the communicant, namely the devil and now the chip as a messenger to humans, then there is a change in human attitude. This is possible because humans trust the ability of the chip. At least there is distraction of belief, from God to technology. This is also the purpose of the devil so that humans will no longer turn to God. The desire for autonomy is strengthened by the belief that the product of human creativity has confirmed that humans are capable without God.

Technology Value vs Human Value

Technology itself is a product of the human mind. Including artificial intelligence (AI) and its supporting devices. Technology plays an important role in human life itself and has even replaced the role of humans in many jobs. Such as the use of robotics in the automotive industry, the world of medicine and also the state armaments. The basic thing about technology itself is its misuse that can threaten human life as the owner of the mandate for his life which he received from the Creator. This can be seen, for example, in the current digital era, many customers have lost their property because their privacy data has been burglarized from bad people.

For media purposes such as patients with paralysis, concussion and Parkinson's disease who are losing control of the orders for their actions, technology can indeed help these patients. The tools that are implanted in the human body give high hopes for the sake of living the next life. When he experiences suffering he experiences fatigue, and that is a problem. The need for pleasurable feelings and things is real for the sufferer.

Reflecting on the use of chip technology to these patients, the technology itself is impersonal and the chip users themselves can actually be satisfied with technology. But in its development, it is not possible. This is one of the ethical dilemmas when humans are equipped with technology, the constituents in the exchange of communication do not involve affective and aesthetic elements. This is exactly what happened to Stephen Hawkins, the late leading physicist.

The human brain itself is the result or fruit of life breathed in by God the Creator and not because of technology. And this makes the issue of technology in human life an ethical subject and needs to get a more comprehensive thought. At the beginning of the article and the description after that, an overview of how technological innovation itself still leaves polemics or disagreements is obtained. Especially in the fact that a). human experience in the past, b). intrinsic value in him and c). needs as human beings who want their basics to be fulfilled. These three sublime points with a normative character, when brought into the theory of value, turn out to have roots in spiritual matters (spirituality-based).

The human mind not only needs to be protected but also needs to be nurtured by giving spiritual nourishment to the mind. Control over the mind requires power and it is given by the Holy Spirit. So that the value of human thought is brought

into the area of truth and not a worldly burden that is full of problems. While technology itself is a product of human culture, it requires guidance so that cultural actors reflect that they are truly in control and not slaves to technology. The revelation that humans live not from technology alone but because of the word of God is the basis for further explanations regarding the insertion of the chip product. Especially in the fulfillment of past completions and experiences, their intrinsic value to their needs after breathing their last breath in this mortal world. Books of revelation and texts containing Christ's message to mankind in these last days can explain these things. The book of revelation is the eschatological hope in which Christ in His eternal glory comes to resolve the problems of humanity, concerning the ruler 666 and his false prophet to the rapture of Christ's Alpha and Omega.

The Book of Revelation and the Number 666

The text of Rev. 13:16-18 indicates that beasts that come out of the earth will appear and have great power over humans, including in transactions later. When a person does not have the name of the animal or the number (numerical) his name cannot make trades or transactions. It is very likely that the number 666 is the number used in technological devices in the form of chips. And it must be implanted in the hand of a man or on his forehead the name of the beast is written.

The priority of the message from Jesus' words to His church is to have wisdom in making a decision whether to use and wear the name of the beast and the number of His name or reject it. Two options are offered, obeying the words of Christ or following the mainstream of globalization. The choice is in the hands of humans. The ultim in these three important verses about the number 666 cannot be separated from the framework of worship.

As it is clear from the previous verse, the phrase denotes worshipping the image of the beast (v. 15). The emergence of beasts from within this earth at least these beasts rule the world under this earth. This beast came from under the earth while Christ came from Heaven above. There is a very real difference.

The mark of the beast shows some similarities to the sign command. Commands and identification marks include: First, the mark explicitly refers to the image of the placement of the hands and forehead (Revelation 13:16). Second, like the sign command, the mark of the beast identifies that the wearer and keeper are in a relationship of obedience to the animal. This sense of identification is very important in Revelation, because whoever is identified (marked) is also protected.

Those who are marked by the beast and worship it will not face economic embargoes and death threats (Rev 13:15-17). In parallel, those who are sealed by God will be delivered from God's wrath (Rev 7:1-3; 9:4). Third, as it is the essence of the Old Testament sign, the Commandment involves obedience which involves a ceremonial element, So the sign seems to be

a command or necessity that involves participation in some ritual worship. The sign is always associated with the worship of the beast and its image, and is a marker or identification of the people of this worship (Rev 13:12-16; 14:9-11)

So the animal marks people or followers on the forehead and hands by imitating (imitation) like God in the OT, By giving or enforcing worship practices or commands. At least in times of global crisis before the Parousia later, the resilience of believers is required in the form of obedience in refusing to give the mark of the beast and its name. Because it's just an imitation. That is not the true essence of Christ the Warlord and Just Judge.

III. DISCUSSION

The reinterpretation of implanting chips in the human brain for medical purposes as an effort to heal has no spiritual roots. Chip itself is the fruit of human thought and not the real work of God. When a group of pro-life ethicists choose to use a chip to be implanted in the brain so that a person's movement function functions temporarily as a tool but does not answer the patient's real needs. Be it his experiences in the past, the need for his worth in the eyes of God to who he really is, still leaves questions that have not been answered.

For pro-choice circles to choose to use a chip implanted in the human brain, the impact it will have needs to be anticipated. Because of the dependence on the need for periodic chip calibration to the importance of freeing the patient from depression, psychological exhaustion should be complemented by therapeutic communication. In this conversation, the affective aspect of the individual is also involved, both in terms of its origin and its theology as the image and likeness of God. Because the hope that aims far exceeds the value of the technology instilled in him. God is Alive and the words of Jesus are Spirit and Life, so the context of giving chips so that humans can function again cannot be confirmed as a sign of the beast in Revelation 13.

IV. CONCLUSIONS

The motive for implanting chips in the human brain should be the main point in ethical judgments, including when various reasons arise. Because, technological products that use the language of algorithms and numbers or numbers of human civilization to be converted into individual actions using a different drive to the will of God. Eliminating the need to become a new creation opens up the space for cyborg human embodiments. It's just a matter of time.

Referring to the principle of compatibility, the imposition of a chip in the human brain does not meet the intended principle, especially the patient's problem regarding his past experiences, the intrinsic value that is in him is fully attached to his present and future needs after death. So the chips in the stone tool frame are temporary, even though they will stay, but actually the chips are impersonal, controlled by brain commands that deal with the computer (face to face) in the interconnection of neural sensors.

The context of the second coming of Christ and the mark on the beast in Rev. 13 verses 16-18 must be seen from the principles of command and obedience. Negatively, the beast promises the protection of salvation and gives permission for economic transactions but in reality he is on a mission to enslave mankind and divert mankind from Christ to idolatry.

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