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Technology from a Medical Perspective

In today's day and age, technology has become an integral aspect of medicine and healthcare. From updated medical equipment to the software that medical offices are run under, technology has revolutionized the industry and the way we approach treatments. However, despite the numerous benefits that technology brings to medicine, its arrival has also brought about many potential risks/pitfalls that we must be aware of. My essay will explore the various ways in which technology is both beneficial and destructive from a medical viewpoint, highlighting the necessity of careful consideration and responsible use of technological innovations.

Technology has greatly impacted our lives in every aspect, especially in medicine. Throughout the development of humanity, we have progressed, updated, and revolutionized a variety of fields, with technology completely changing the way we deal with health. From basic herbs and teas used as medical remedies at the beginning of humanity, to full-scale operations with high-tech tools and computer-aided systems, technology is responsible for saving millions of lives while assisting hundreds of millions throughout the world. One benefit of advanced technology in the medical field is the ability to improve patients' medical situations, with correct diagnostics through the use of MRIs, X-rays, and CT scans. Using these technologies, allows us to correctly identify the medical problems at hand, and treat them with the best remedy for the situation. With these technologies providing detailed images of internal organs and tissues, we

are now able to identify problems, and treat them with due respect, as a result of these technologies; a task that we were incapable of before. Additionally, the technologies that medical offices are run under, allow for better communication with patients, easier access to medical indicators and tests, as well as improved coordination of medical care.

However, despite the amazing benefits that come with technological advancements in the medical field, there are a couple of major pitfalls that are also associated with new technological advancements in this area. One of these concerns is that technology has made such major strides that we may lose sight of the reliance we have on these technologies, which could potentially lead to major medical errors. Another pitfall we are encountering is the protection of confidential information, and concerns about privacy. The use of online technology for bookkeeping and record storage of personal information for patients allows for the potential threat of cyber security attacks, and raids on personal information. Finally, the last pitfall that seems to be very apparent in this field, is the misuse of these technologies, such as inputting a patient's medical needs wrong into the software, which could potentially lead to the patient receiving the wrong medicine or medical care. Despite these pitfalls, technological advancements and the use of technology in the medical field has an overall positive impact on healthcare, allowing more and more people to receive the help, medicines, and treatments they need as technology grows more advanced.

So how did we get to the technological standpoint that we are at today? This question is answered very easily if we look at the progression of technological advancements from the 19th through the 21st century. From the stethoscope in the 19th century to the development of antibiotics, vaccines, and technological imaging seen in the 20th century, all the way to gene-edited proteins in the 21st century, our understanding of the human body and how to help

has grown with the advancement of technology in the normal world. As our understanding of the different forms of technology grew, so did our understanding of the human body, which wielded unseen advancements in medical care. Moving forward from where we are at today, the best way to utilize and tame technology for the betterment of mankind is to find a balance between innovation and potentially dangerous forms of tech. While pushing the boundaries of technology, and adapting to the problems we are currently facing, just as those did before our time, we must stay cautious of the potential dangers of technology, while also pushing ourselves down the line of forward progress. Technology will always be advancing as our understanding of the world around us increases day by day; it is up to us to find that balance.

In conclusion, technology has both positive and negative features to its use. While there are many risks to expanding our technology, the pros outweigh the cons. The benefits of improved technologies in the medical field simply outweigh the risks. New medical innovations save lives and help aid hundreds of millions of people around the world. The push for new technological advances will always be present and should be supported with the idea of betterment in mind. If technology is what can help aid our fellow brothers and sisters, then the negatives associated with new technologies can be navigated and dealt with, as a result of helping those in need.