**If I Could Invent Something New**

Every day in the US, seventeen people die while waiting for an organ donor, and there are over a hundred thousand more left on the organ transplant waiting list. Worldwide, the statistics is even higher. Bringing it home, we can’t even determine the number of those in need of organ transplants in Nigeria, as we do not even have a national organ transplant waiting list.

Now, imagine a world where that wasn’t a problem anymore? What if in the space of just a couple of days, the organ one needs can be made readily available? Look no further than my invention for the future, an “Organ Printer”. The best inventions tend to be the simplest ones or the ones that solve major problems in the world. One of the biggest problems in the world is the lack of available organs to meet the number of people in need. The unavailability of organs in circulation makes it hard for those needing them to recover. Even when there are donors, compatibility becomes another challenge, further limiting the odds of receiving viable organs. A world with the “Organ Printer” changes things, as we can print organs for all in need and print them to their specifications to ensure they are compatible.

In order to print organs, we would need to create a replica of bodily tissue using a 3D bioprinter. This process would involve scanning the patient's body to create a digital model, which is then used to guide the bioprinter in recreating the organ. The organ would be printed using bioink, which is made up of cells to support tissues and form the organ. The “Organ Printer” would also make it possible for people who need multiple organs to receive them. In addition, living donors would be spared the agony of undergoing risky surgeries and having to survive on one organ after donating the other, as is the case for kidney donors.

The use of exact replicas of the damaged organ produced by the “Organ Printer” would eliminate the risk of the body rejecting the organ. This would ultimately reduce the number of deaths post-organ transplants and ensure that replacement organs last longer. Moreover, the 'Organ Printer' would bring an end to the nefarious organ black market. No longer would people fall prey to organ harvesting syndicates that lure victims through various means to steal their organs. The less fortunate would no longer be coerced into selling organs as a means of survival. The 'Organ Printer' promises a future where such exploitation would be a thing of the past, bringing a sense of relief and security to all.

In conclusion, the 'Organ Printer' is a game-changer that promises to significantly improve the quality of life for countless individuals. It would offer hope for a future where people can live longer, healthier lives, and where the world is a better, more equitable place for all.

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