

Artificial organs and nerves are an exciting new technology that allows for new treatments for things that before could not be treated as well as help with organ shortages and training for medical students. Artificial organs can be made of living cells and biodegradable polymers, and are built by 3d printers. They first use the 3d printer to create tissue scaffolds and seed various types of cells to then incubate in a bioreactor to mature the cells. Some types of artificial organs are, artificial sensory organs an example of this is a cochlear implant as well as artificial nerves; There are artificial kidney and liver transplants and even heart transplants. I feel that this technology will only become more beneficial in the medical field and will allow for treatment of things that could not even imagine such as growing a new leg for an amputee.

<https://www.the-scientist.com/sponsored-article/artificial-organs-innovating-to-replace-donors-and-dialysis-70907>