1. Innovations in 3D printing: a 3D overview from optics to organs

适合总结

There are many potential uses for 3D printing in medicine到结尾

2. Rapid Growth and Development of 3D Printing

整篇文章讨论3d print是什么， III THE RISE OF 3D PRINTERS中的3D PRINTING IN HEALTHCARE都与bioprint有关

3. <https://3dprintingindustry.com/news/12-things-we-can-3d-print-in-medicine-right-now-42867/>

12 Things We Can 3D Print in Medicine Right Now

4. The Top 10 3D Printing Stocks for 2015

<https://3dprintingindustry.com/news/fiscal-2014-revenue-results-3d-printings-top-10-guns-44789/>

5.3d print主要好处就是不用造生产线就能生产出产品。便于改设计。

Artificial Heart

1. company(competitor)

①http://www.syncardia.com/

②http://bivacor.com/

2.cost

<http://www.ncbi.nlm.nih.gov/pubmed/10311835>

Estimates of the cost of the artificial heart include charges for the surgical procedure, device and console, and continuing medical surveillance. These estimates range from a low of $100,000 to a high of $300,000 per patient in the initial year.

3. customers

Customers: patients

Agent: hospital

4. Selling Model

Patients go to hospital. Hospitals collect the data and cells from patients’ bodies. Hospitals send these data and cells to Star Tech. Star Tech build the heart model for each patient and print the heart with 3d printing. Star Tech send the heart to the hospital. Doctors in the hospital transfer the patients heart.