

BBC Learning English
Story of the Week 每周一报
17 April 2013

Lab-grown organ breakthrough
人造器官新突破



Transcript 文字稿:

In this jar, hope for many who need a **transplant**.

In a Boston laboratory, a rat **kidney** has been **stripped of** its cells, leaving just this white **scaffold**.

Then the organ was **reseeded** with fresh cells and put into another rat. It filtered the animal's blood and produced urine.

The results are promising but human trials are still a long way off.

Vocabulary 词汇:

transplant (器官) 移植

kidney 肾脏

stripped of 剥离

scaffold 支架

reseeded 再植入细胞

中文文字稿:

这个玻璃瓶里承载着众多器官移植病人的希望。

在波士顿的一个实验室里，科学家们把一只老鼠肾脏的细胞从肾脏中剥离出来，只留下这种白色的支架。

接下来把新生的老鼠的肾脏细胞植入到这个支架里，然后再将此器官放入另一只老鼠体内进行培育。结果发现新植入的肾脏能够过滤血液、产生尿液。

此实验结果非常令人满意，不过要想进行人体试验仍需很长一段时间。

Watch this video online: Lab-grown organ breakthrough <http://bbc.in/13aCog6>

Exercise 练习:

以下练习中的语句全部选自于其他网页。
请从下面的词汇表里选择答案来完成句子。
注意: 你可能需要改变单词的时态来完成句子。

transplant / kidney / stripped of / scaffold / reseeded

1. Madonna was said to have been angered that she and her entourage were _____ their VIP status on their way out of the country, the UK's Daily Telegraph reported. They had to line up with other passengers at the airport and were frisked by security officials, the report said.
2. Scientists have developed a new way of generating stem cells which could boost research and drug screening. Edinburgh University has produced material that acts as a "tiny _____" to which cells can cling as they grow.
3. Carrying excess weight around the abdomen is linked to an increased risk of _____ disease, a study suggests.
4. George Best is widely regarded as one of the greatest footballers to have graced the British game. But the Manchester United icon's lifelong battle with alcoholism led to drink-driving, bankruptcy, a liver _____ and eventually death, aged 59, in 2005.
5. "Even if the lungs aren't going to be resuscitatable, and you've tried everything you can, designer drugs, we aren't going to throw those lungs away. We are going to decellularize those lungs in a bioreactor and we are going to _____ it with your stem cells which we are already trying to do and we are going to grow you new lungs," he said.

Answers:

- 1.** Madonna was said to have been angered that she and her entourage were **stripped of** their VIP status on their way out of the country, the UK's Daily Telegraph reported. They had to line up with other passengers at the airport and were frisked by security officials, the report said.
- 2.** Scientists have developed a new way of generating stem cells which could boost research and drug screening. Edinburgh University has produced material that acts as a "tiny **scaffold**" to which cells can cling as they grow.
- 3.** Carrying excess weight around the abdomen is linked to an increased risk of **kidney** disease, a study suggests.
- 4.** George Best is widely regarded as one of the greatest footballers to have graced the British game. But the Manchester United icon's lifelong battle with alcoholism led to drink-driving, bankruptcy, a liver **transplant** and eventually death, aged 59, in 2005.
- 5.** "Even if the lungs aren't going to be resuscitatable, and you've tried everything you can, designer drugs, we aren't going to throw those lungs away. We are going to decellularize those lungs in a bioreactor and we are going to **reseed** it with your stem cells which we are already trying to do and we are going to grow you new lungs," he said.