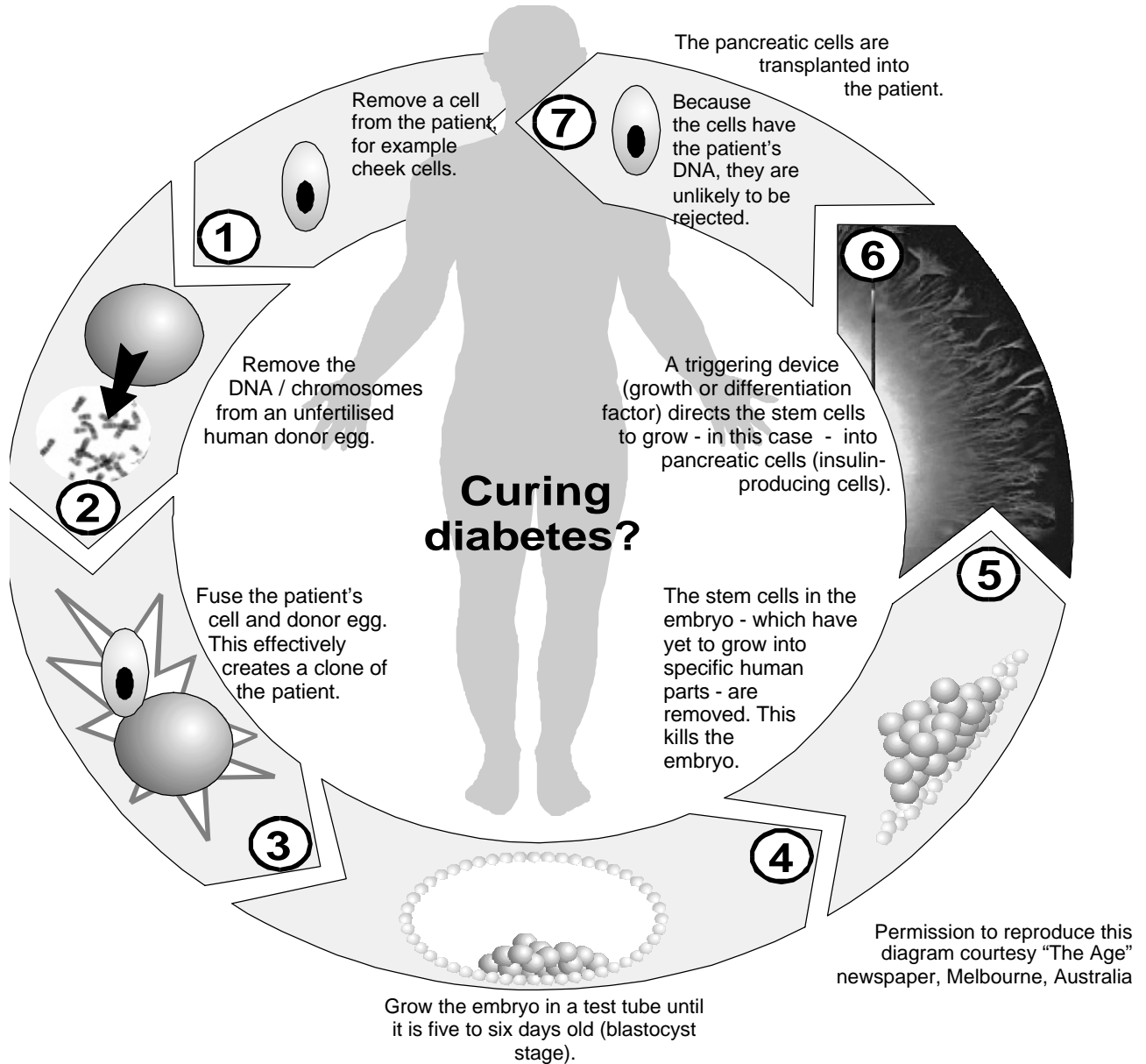


# Patient, Heal Thyself!

To be read in conjunction with reference sheet C

Recent advances in embryonic stem cell cloning have been reported in the mass media. Using this new technology, it may soon be possible to use patient's own DNA to grow replacement cells to cure diseases including Parkinson and Alzheimer disease, and diabetes.



1. What other diseases or conditions could this technology potentially cure?
2. Compare this technology to the technology that produced Dolly, the first mammal to be cloned from an adult cell.
3. In the diagram, steps three and four are quite ethically challenging. Can you discuss some of the issues that arise from these?
4. Are there any problems you can see using this technology for inherited diseases?



<http://www2.ri.bbsrc.ac.uk/library/research/cloning/howto.html>  
[http://news.bbc.co.uk/low/english/sci/tech/newsid\\_371000/371378.stm](http://news.bbc.co.uk/low/english/sci/tech/newsid_371000/371378.stm)