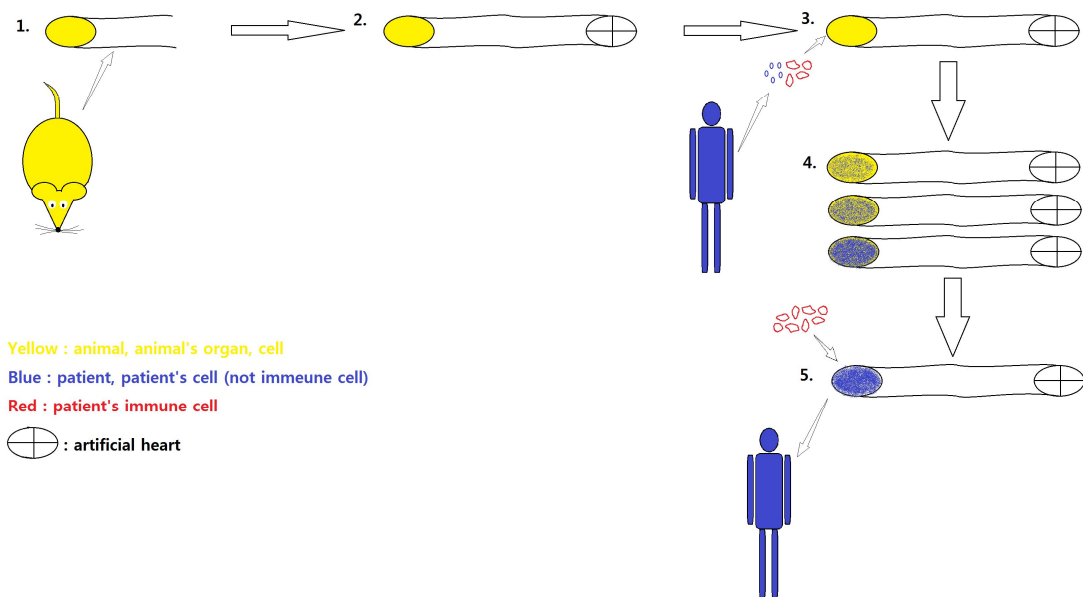


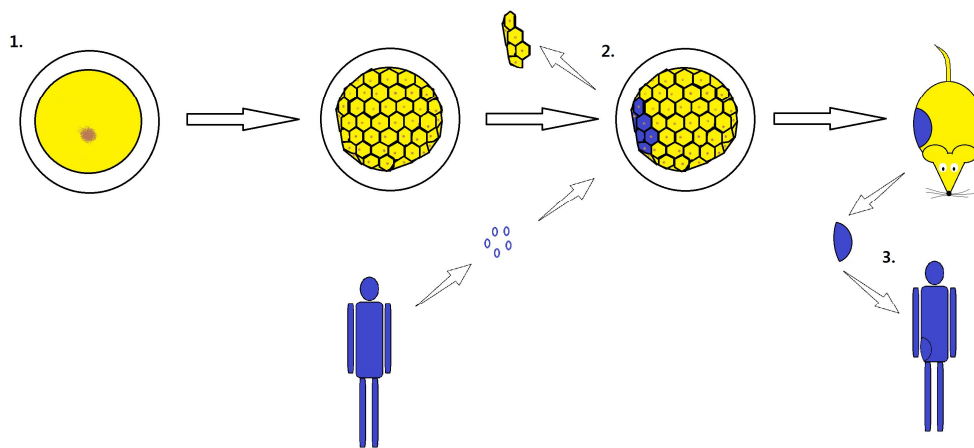
Method one

1. Extract an organ(with blood vessels) from an animal(or human donor).
2. Connect extracted organ with artificial heart. And activate the heart. (The heart and blood vessels are filled with artificial blood.)
3. Extract suitable stem cells and suitable immune cells of a patient(Or make these cells by using iPS cell technology or other method.). And inject these cells into extracted organ.
4. After a few days, repeat process 3. Repeat this process several times.
5. Inject various immune cells of patient's into extracted organ. And wait until these cells kill most of animal's cells. And transplant the organ to the patient.



Method two

1. Grow a fertilized egg of animal which is genetically similar to human.
2. If embryo's stage is in suitable stage, then eliminate cells of embryo which started specification of target organ. Extract suitable stem cells of patient. And fill the hollowed place with these stem cells.
3. If target organ is successfully grown, then extract the organ and transplant this to patient.(If needed, we can add the process 5 of method one before transplant.)



Yellow : animal, animal's organ, cell

Blue : patient, patient's cell