

CLAIMS

1. A method for perfusion culture of an organ or tissue ~~extirpated~~ removed from a mammal, wherein said organ or tissue is ~~extirpated~~ removed together with a second organ or tissue which is connected to the organ or tissue in vivo, wherein the second organ or tissue is not a blood vessel, comprising:

a step of hanging the organ or tissue by fixing the second organ or tissue, and

a step of perfusing the blood vessels in the organ or tissue with a perfusate.

2. The perfusion culture method according to claim 1, wherein in the said perfusion step, at least a part of the organ or tissue is immersed in a liquid.

3. The perfusion culture method according to ~~claims~~ 1 or 2, wherein the organ or tissue is a liver, and the second organ or tissue is a diaphragm.

4. The perfusion culture method according to ~~claims~~ 1 or 2, wherein the organ or tissue is a liver, and the second organ or tissue is a diaphragm and ~~the~~ a rib.

5. The perfusion culture method according to ~~claims~~ 1 or 2, wherein the organ or tissue is ~~the~~ a kidney, and the second organ or tissue is adipose tissue surrounding ~~a~~ the kidney, wherein the adipose tissue is connected to the kidney.

~~6. A method for perfusion culture of an organ or tissue extirpated from a mammal, comprising:~~

~~—— a step of hanging the organ or tissue, and immersing at least a part of the organ or tissue in a liquid, and~~

~~—— a step of perfusing the blood vessels in the organ or tissue with a perfusate.~~

~~76.~~ A perfusion culture device for an organ or tissue, comprising:

a suspension means for hanging the organ or tissue,

a perfusate inflow cannula for allowing a perfusate to flow into the organ or tissue, and

a perfusate outflow cannula for allowing the

perfusate to flow out from the organ or tissue,
wherein the organ or tissue is a liver or a kidney,
and

when said organ or tissue is a liver, the said
suspension means has a configuration where the liver
removed together with a rib and a diaphragm from a mammal
is fixable at the rib, and

when said organ or tissue is a kidney, the suspension
means has a configuration where the kidney removed together
with a surrounding adipose tissue from a mammal is fixable
at the adipose tissue.

~~8~~7. The perfusion culture device according to claim ~~7~~6,
 further comprising a vessel that can allow immersion of at
 least a part of the organ or tissue in the liquid in a
 state that the organ or tissue is hanged.

~~9~~8. The perfusion culture device according to claims ~~7~~6
 or ~~8~~7, wherein the organ or tissue is a liver, and further
 comprising a biliary cannula.

~~10. The perfusion culture device according to any one of~~
~~claims 7 to 9;~~

~~—— wherein the organ or tissue is a liver, and~~

~~—— wherein the said suspension means has a configuration~~
~~where the liver extirpated together with a rib and a~~
~~diaphragm from a mammal is fixable at the rib.~~

~~11~~9. The perfusion culture device according to claims ~~7~~6
 or ~~8~~7, wherein the organ or tissue is a kidney, and
 further comprising a ureteral cannula.

~~12. The perfusion culture device according to any one of~~
~~claims 7, 8, or 11, wherein:~~

~~—— the organ or tissue is a kidney, and~~

~~—— the suspension means has a configuration where the~~
~~kidney extirpated together with a surrounding adipose tissue~~
~~from a mammal is fixable at the adipose tissue.~~