

Propositions

Mesenchymal Stromal Cells for Kidney Repair

1. Renal intra-arterial infusion of mesenchymal stromal cells (MSC) *in-vivo* and *ex-vivo* during normothermic machine perfusion is safe. (This thesis)
2. The size of MSC determines their localization after intravenous and intra-arterial infusion. (This thesis)
3. The regenerative effect of MSC on endothelial cells occurs through physical and paracrine communication. (This thesis)
4. The conditions necessary to deliver MSC therapy during normothermic machine perfusion of kidneys have an impact on MSC metabolism and properties. (This thesis)
5. MSC properties depend on multiple factors such as species and harvesting conditions. (This thesis)
6. MSC are complex, multifaceted cells useful as treatment for a plethora of conditions, but only after deciphering their specific mechanism of action.
7. In science, you need to be wrong to be right.
8. La unión hace la fuerza (There is power in numbers).
9. A scientist might become a professor, but should not forget to remain a student as well.
10. Science becomes better with a multicultural team.
11. Life is like rugby; tackle your problems and go forward.