

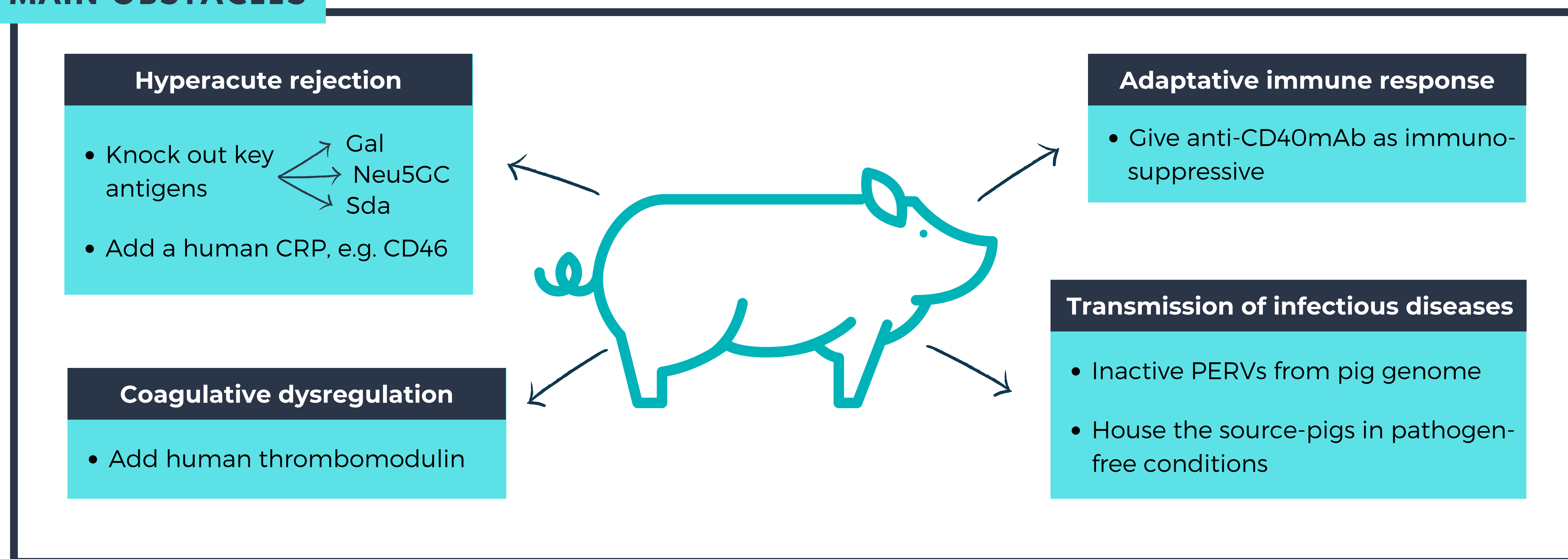
# PANCREATIC ISLET XENOTRANSPLANTATION AS A TREATMENT OF TYPE I DIABETES MELLITUS

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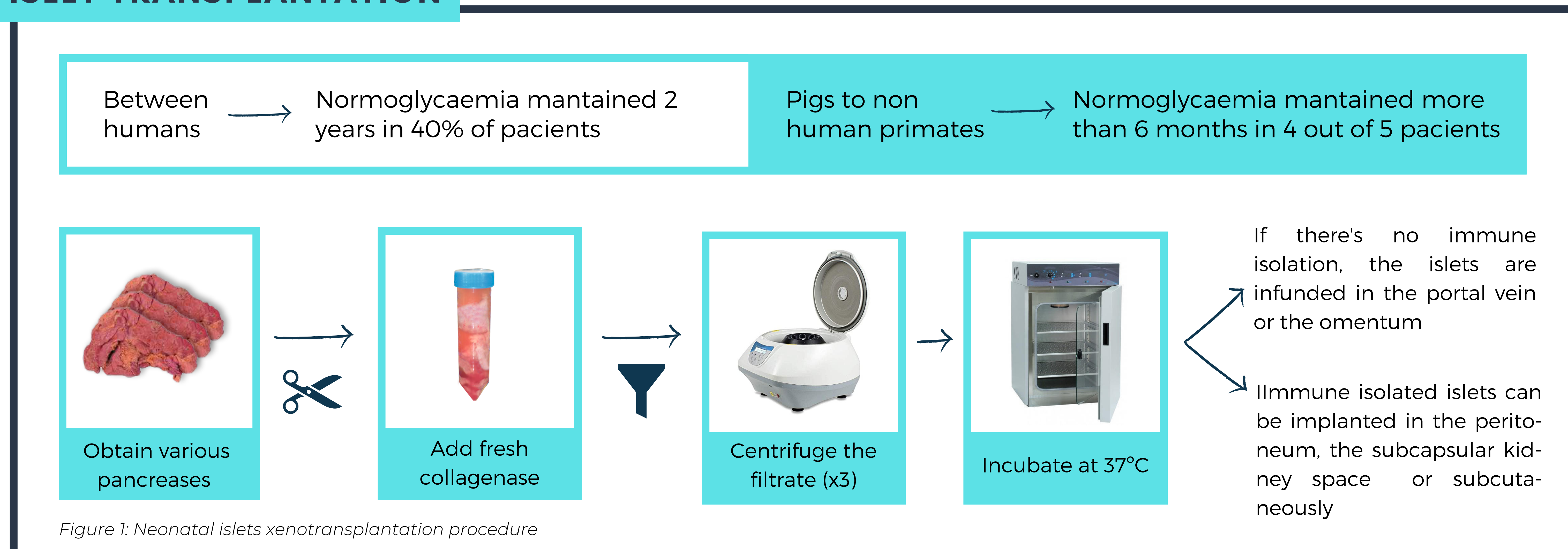
## OBJECTIVES

- Assess the potential of pancreatic islet xenotransplantation as a treatment of type 1 Diabetes Mellitus (T1D).
- Summarize the genetic modifications that can be performed in pigs to overcome xenotransplantation main obstacles.
- Discuss the legal and social implications that are bind to xenotransplantation.

## MAIN OBSTACLES



## ISLET TRANSPLANTATION



## CONCLUSIONS

- Pancreatic islet xenotransplantation to reach normoglycaemia in T1D patients is the one with the greater potential.
- Clinical trials are being held but the ideal protocols to perform it are yet to be found.
- New approaches are being studied to be able to reach a broad clinical application in the near future.
- Regulations concerning xenotransplantation should be internationally harmonized.
- Public opinion about the potential risks associated with xenotransplantation should be explored, coupled with efforts to educate society about the procedure.