Visceral white adipose tissue can be a useful site for islet transplantation

**AIM:** To clarify the therapeutic effect and mechanism of islet transplantation into visceral white adipose tissue

- **Fat-covered islet transplantation improved blood glucose level**
  - Fat-covered vs. Intraperitoneal
    - \( p = 0.0043 \)

- **Vessel density in islets was increased** by fat-covered islet transplantation
  - Fat-covered vs. Renal subcapsular
    - \( p = 0.0011 \)

- **Adiponectin** might contribute to islet engraftment into white adipose tissue
  - Adiponectin (-) vs. Adiponectin (+)
    - \( p = 0.012 \)

*N. Sakata et al. Transplantation. December 2020*

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