

S2 Table. Exclusion criteria.

General exclusion criteria

- Secondary types of diabetes (ADA-criteria type 3 B-H)
 - Current pregnancy
 - Acute infections / fever
 - Immune-suppressant therapy
 - Severe psychiatric diseases requiring treatment (for example personality disorders, schizophrenia, depression)
 - Known alcohol or drug dependency
 - Severe heart-, kidney-, or liver-insufficiency:
 - NYHA stadium IV
 - Non-diabetic liver disease (for example PBC, PSC, Wilson's disease, hemochromatosis, autoimmune hepatitis)
 - severe peripheral artery disease (stadium IV)
 - non-diabetic glomerulopathy
 - Cancer or other malignant diseases within the last 5 years
 - Infectious diseases like hepatitis B, C, E, or HIV
 - Other severe autoimmune diseases
 - Current participation in an interventional study
 - Anemia or disorders of bone marrow
 - Exclusion criteria for clamp study
 - Past history of deep vein thrombosis or pulmonary embolism
 - Routine lab results $\leq 80\%$ below lower reference value: Ferritin, iron, leucocytes, haemoglobin, hematocrit, RBC, platelets, blood alcohol levels.
 - Exclusion criteria for bioimpedance measurement
 - Pacemaker / ICD
 - Exclusion criteria for lung function testing
 - Ignoring or non-understanding of the instructions
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