Is it an epidemiological study involving a large number of subjects?

- Yes
  - Are there sufficient resources to carry out a reference technique on subjects?
    - No
      - Is it feasible to carry out an oral GTT?
        - No
          - Fasting simple indices (e.g. HOMA, QUICKI)
        - Yes*
          - Simple indices requiring oral glucose tolerance test (e.g. ISI-gly)
    - Yes*
      - Interested with parameters other than SI?
        - No
          - Biochemical marker
            (normal glucose tolerance subjects only e.g. IGFBP-1, SHBG)
        - Yes*
          - Reference technique hyperinsulinaemic euglycaemic clamp (all subjects)

- No
  - Are facilities for clamp available locally?
    - Yes*
      - Insulin modified FSIVGT (all subjects)
    - No
      - Other dynamic techniques e.g. ITT and CIGMA