

QUALITY OF LIFE PATIENT WITH DIABETES MELLITUS TYPE 2

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INTRODUCTION



A metabolic disease characterized by high blood glucose levels caused by abnormalities in insulin secretion, insulin action or both which can cause long-term damage, dysfunction of several body organs such as eyes, kidneys, nerves, heart and blood vessels (ADA, 2010)

RISK FACTOR DM



Physical Exercise on DM

- Is an activity that uses physical movements carried out by the body's muscles and supporting systems
- regularly 2-3 times a week
- About 30- 60 minute
- Expected effect-----control blood glucose and HbA1C



Research Design

- Longitudinal eksperimental quasi study
- Divided into 2 groups:
- Physical exercise group
- Non physical exercise group
- Blood Glucose and HbA1C compared

Inclusion Criteria

- Have blood glucose and HbA1C data when taken as research subjects more or less the same as the last 3 months before the study was carried out.
- Able to do sports activity

Exclusion Criteria

- Not with DMT2
 - unable to do physical exercise
 - Not willing to be the subject of research.

Sample Selection

DM type 2

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Fisrt Evaluatioj

Non Randomize

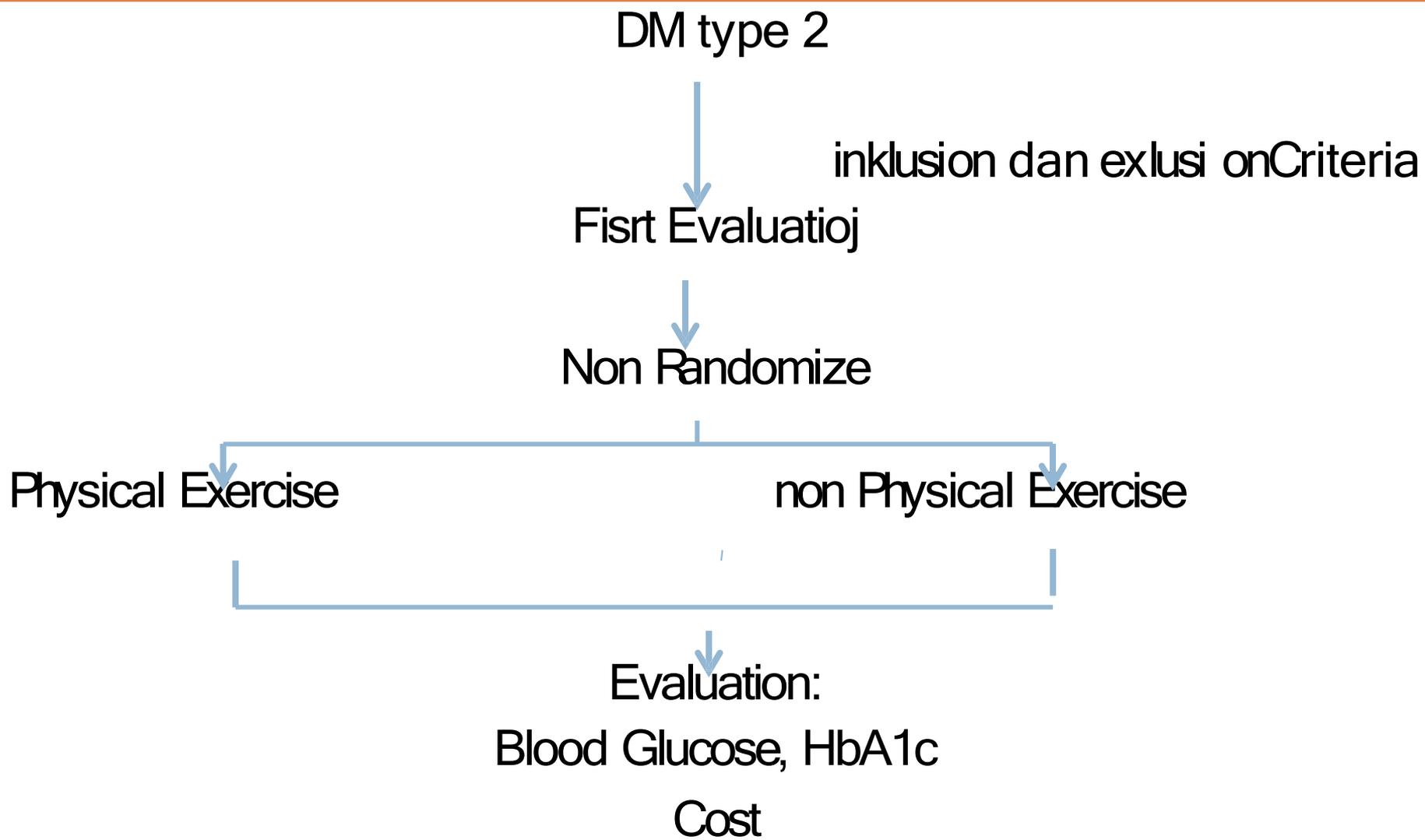
Physical Exercise

non Physical Exercise

Evaluation:

Blood Glucose, HbA1c

Cost



PROSEDUR INTERVENSİ

- Completion of the accompanying physical exercise questionnaire by medical personnel collecting research data
- Giving feedback on the results of filling out the questionnaire which explains the suitability of physical activity
- Determination of research subject identification number
- An explanation for maintaining a healthy diet and anti-diabetic treatment

OUTCOMES

- Controlled blood Glucose
- Controlled HbA1C
- Differences in blood glucose levels between two groups
- PDifferences HbA1C between two groups

Cost Effectiveness Analysis

- Evaluation alongside Clinical Trial base:
 - Patient level data
 - cost / patient
 - Bootstrapping
 - Calculation :


$$ICER = (C1 - C2) / E1 - E2$$

Note :

- C1 and E1: cost and effectiveness in the intervention group
- C2 and E2 : cost and effectiveness in the non-intervention group

Effectiveness : Blood Glucose darah and

HbA1C Cost : cost component

□ Markov

- Probability app
- Parameter:
 - probability (0 -1)
 - Intervention cost
 - State
 - utility : questioner
 - Relative Risk

THE END



Source image: www.michellecederberg.com

