

Standardized Assessment of Metabolic Bariatric Surgery Outcomes: Swiss-Finnish BARIatric Metabolic Outcome Score (SF-BARI Score)

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I have no potential conflicts of interest to report



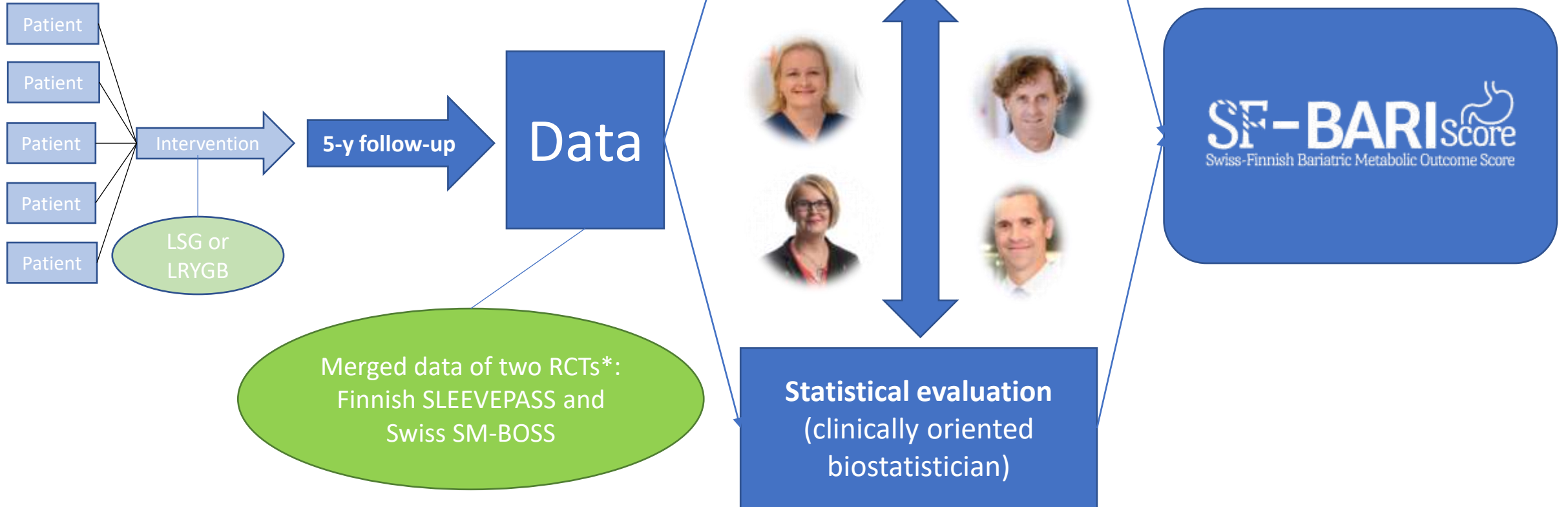
Why is a new score needed to measure outcome of metabolic bariatric surgery (MBS)?

- No widely used standardized definition of MBS outcome
- Reporting of MBS outcomes is very variable in science
- Comparison of results between studies is difficult
- Weight loss is the driving force of all positive MBS outcomes, but other outcomes should also be included
- **Composite endpoint is needed for assessment of MBS outcome in both science and clinical practise!**

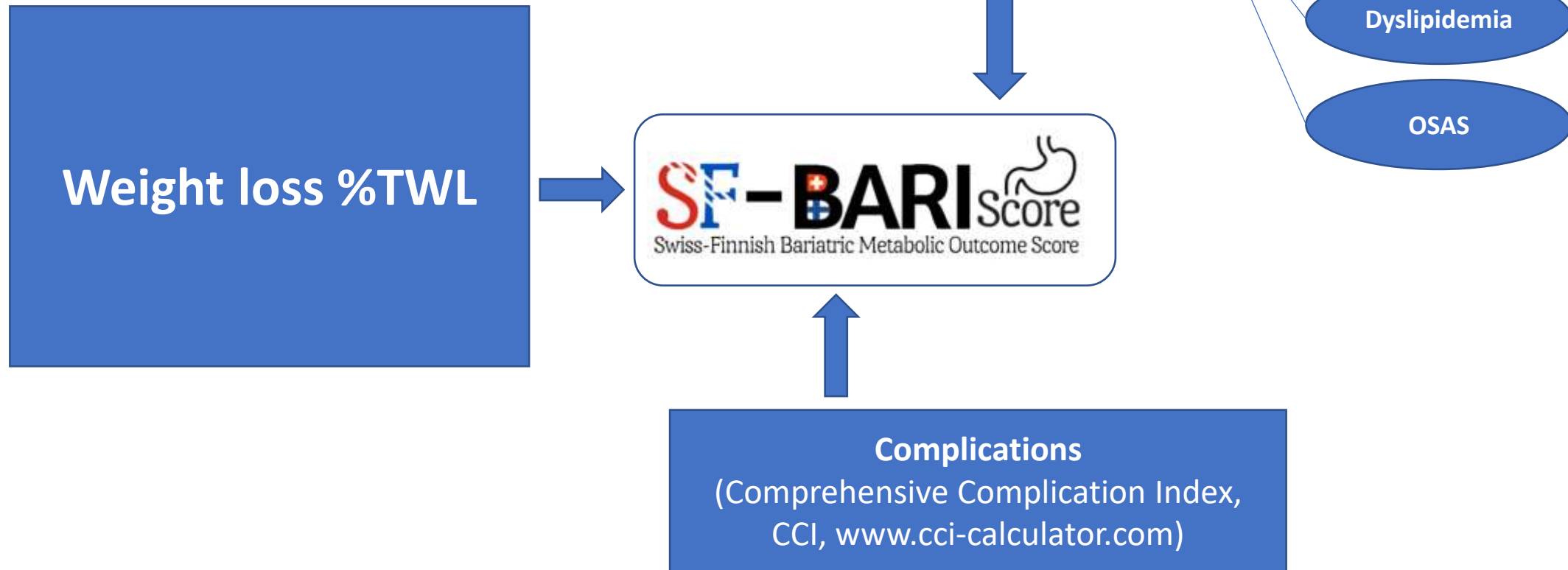


Development of **SF-BARI** Score

Swiss-Finnish Bariatric Metabolic Outcome Score

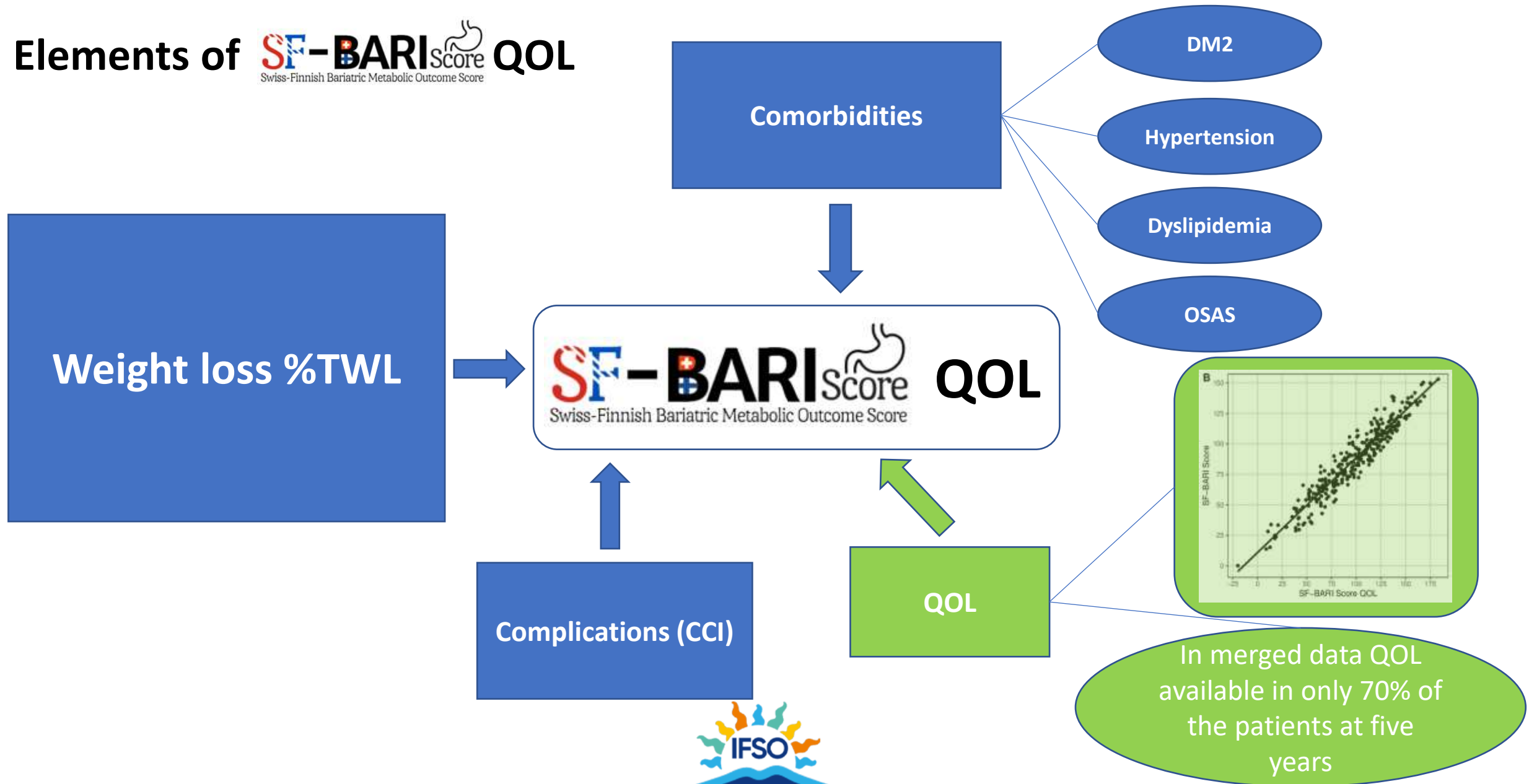


*Wolnerhanssen BK, Peterli R, Hurme S, et al. Laparoscopic Roux-en-Y gastric bypass versus laparoscopic sleeve gastrectomy: 5-year outcomes of merged data from two randomized clinical trials (SLEEVEPASS and SM-BOSS). *Br J Surg.* 2021;108(1):49-57.



Elements of SF-BARI Score QOL

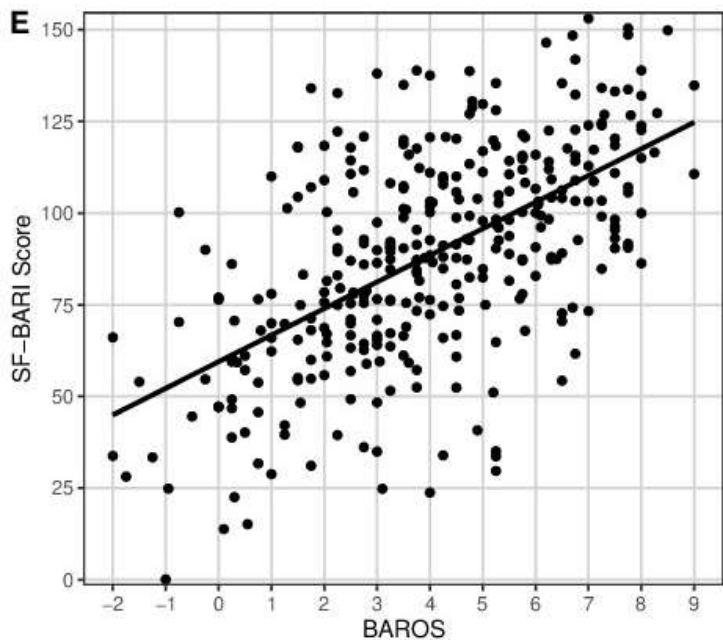
Swiss-Finnish Bariatric Metabolic Outcome Score



Results of evaluations of



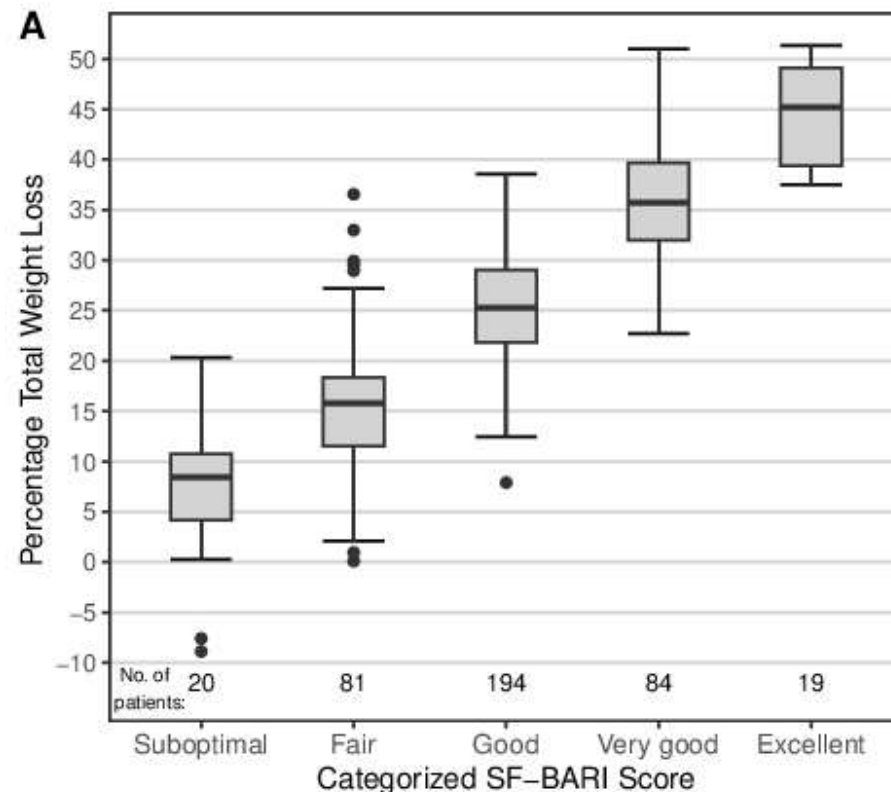
Comparison of SF-BARI Score and Bariatric Analysis and Reporting Outcome System (BAROS)



Categorization:

- SF-BARI Score was categorized based on 5%, 25%, 75% and 95% percentiles of the data

Response	SF-BARI Score	SF-BARI Score QOL
Excellent	≥ 135	≥ 150
Very good	110 to <135	125 to <150
Good	70 to < 110	75 to <125
Fair	35 to < 70	40 to <75
Suboptimal	< 35	< 40



Why could be the solution for the need of standard reporting of outcome of MBS?

Available online

Easy to apply

Objective

Clear definitions

Uses continuous %TWL

CCI used to account complications

Parameters are available

Differentiates operations well

Next step:

Validation of SF-BARI Score using large register data from the Netherlands, Sweden, and Norway

SF-BARI Score

Scoring system for evaluation of treatment outcome in metabolic bariatric surgery.

SF-BARI Score Calculator →

Thank you!

Science is collaboration!

Switzerland: Ralph Peterli (PI),
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Finland: Paulina Salminen (PI),
Mika Helmiö, Sofia Grönroos,
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More information from:

<https://sites.utu.fi/sfbariscore/>

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