

Metformin/Glimepiride and Metformin/Glibenclamide, Which is Better? : A Systematic Review and Meta-Analysis

Sukmawan et al./ Indonesian Journal of Medicine (2019), 4(3): 211-218.

- This study aimed to examine the difference of Metformin/Glimepiride and Metformin/Glibenclamide administrations in reducing HbA1C among type 2 DM patients.
- Systematic review and meta-analysis from the 214 articles identified using various search engines was conducted.
- Glimepiride/Metformin combination demonstrated lower HbA1C (-0.11; p= 0.450) and lower hypoglycemia adverse events (OR= 0.52; p= 0.450), while Glibenclamide/Metformin combination demonstrated lower fasting plasma glucose concentration.

Glimepiride/Metformin combination is preferable in HbA1C lowering and hypoglycemia risk than Glibenclamide/Metformin combination.