

Supplemental Material

Feasibility of Simplification from a Basal-Bolus Insulin

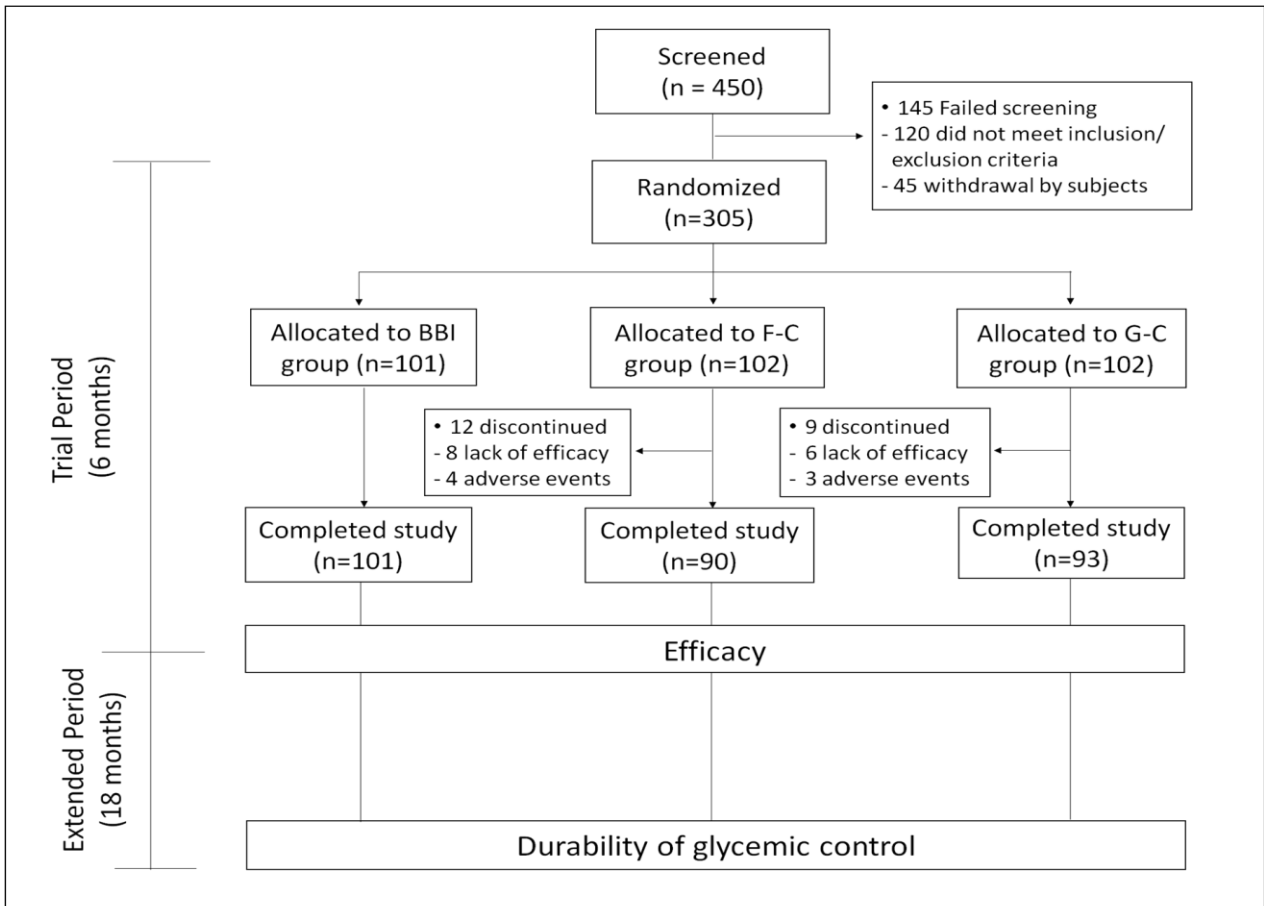
Regimen to a Fixed-Ratio Formulation of Basal Insulin

Plus a GLP-1 RA or to Basal Insulin Plus a SGLT2 Inhibitor:

"BEYOND", A Randomized, Pragmatic Trial

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Supplementary Figure S1. The trial has been completed in 6 months. The extension period of 18 months has started from the last scheduled visit of the trial.

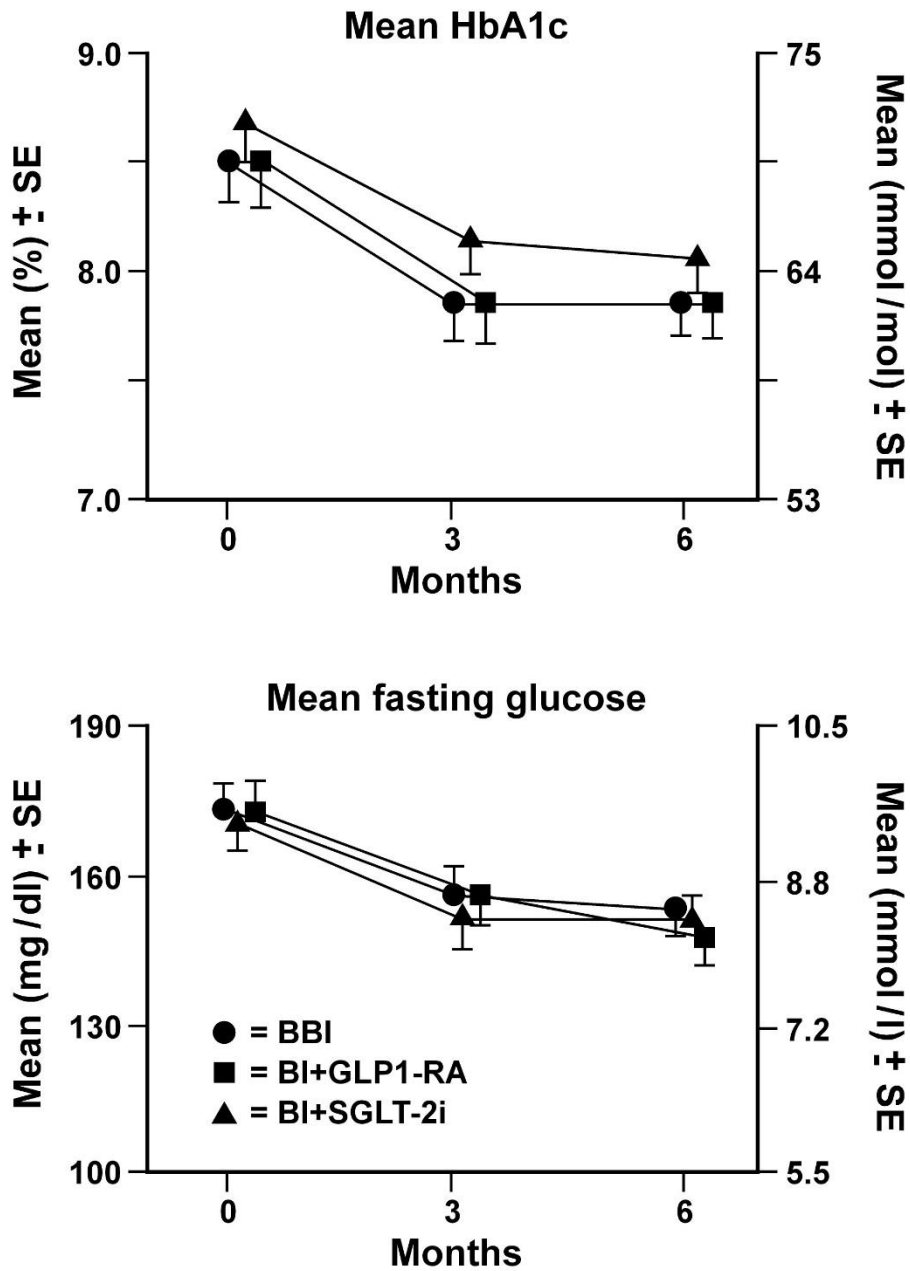


Figure S2. Mean HbA1c (top) and mean fasting glucose (bottom) from baseline to 6 months.

Supplementary Table S1. Results at 3 months.

Variables	Basal-bolus insulin (n=101)		Basal insulin + GLP-1RA (n=102)		Basal insulin + gliflozin (n=102)	
	Changes vs baseline	P	Changes vs baseline	P	Changes vs baseline	P
HbA1c, %	-0.6 ± 0.9	0.005	-0.6 ± 0.7	<0.001	-0.6 ± 0.8	<0.001
Fasting glucose, mg/dl	-19 ± 47	0.011	-20 ± 44	<0.001	-22 ± 39	<0.001
Weight, Kg	0.2 ± 1.5	0.159	-2.0 ± 4.1	0.001	-0.7 ± 2.2	0.765
Daily insulin dose, units	11.5 ± 7.1	0.041	-24.3 ± 13.1	<0.001	-24.2 ± 13.0	0.001
SBP, mmHg	1.5 ± 11.1	0.188	1.0 ± 13.3	0.489	-4.0 ± 18.5	0.214
DBP, mmHg	0.8 ± 5.2	0.260	0.3 ± 8.6	0.932	0.8 ± 9.5	0.724
Total cholesterol, mg/dl	-7.0 ± 21.5	0.020	-7.1 ± 23.4	0.017	-17.8 ± 33.1	<0.001
HDL-cholesterol, mg/dl	-1.0 ± 7.2	0.356	-2.0 ± 15.4	0.101	-5.7 ± 9.7	<0.001
LDL-cholesterol, mg/dl	1.5 ± 20.4	0.571	-1.9 ± 21.9	0.353	-7.4 ± 35.5	0.170
Triglycerides, mg/dl	-16.3 ± 31.1	<0.001	-5.1 ± 39.4	0.503	-14.1 ± 38.7	0.030
Creatinine, mg/dl	0.02 ± 0.1	0.267	0.01 ± 0.2	0.421	0.01 ± 0.1	0.731
eGFR, ml/min/1.73m ²	1.3 ± 17.1	0.245	1.0 ± 16.1	0.328	-2.1 ± 14.1	0.209

Supplementary Table S2. Changes in lipid profile at 6 months.

Variables	Basal-bolus insulin (n=101)		Basal insulin + GLP-1RA (n=102)		Basal insulin + gliflozin (n=102)	
	Changes vs baseline	P	Changes vs baseline	P	Changes vs baseline	P
Total cholesterol, mg/dl	-6.8 ± 22.5	0.018	-6.8 ± 24.9	0.015	-19.7 ± 35.1	< 0.001
HDL-cholesterol, mg/dl	-0.8 ± 7.2	0.356	-2.7 ± 14.3	0.091	-4.7 ± 9.4	<0.001
LDL-cholesterol, mg/dl	2.0 ± 22.5	0.479	-2.9 ± 23.4	0.253	-6.2 ± 34.5	0.270
Triglycerides, mg/dl	-14.3 ± 27.5	<0.001	-2.2 ± 38.1	0.603	-15.4 ± 43.7	0.004

Data are mean ± SD. The value of P indicate difference of changes from baseline.