

SUPPLEMENTARY DATA

**Supplementary Table S1. Detailed protocol and flow chart**

<b>Visit</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>
Study week	-2	0	2	4	6	10
Informed consent	X					
Inclusion/exclusion criteria	X	X				
Demographics, medical history, diabetes history, concomitant medications	X					
Medication changes, AEs, serious AEs		X	X	X	X	X
Physical examination	X					
Measurements, vital signs	X	X	X		X	X
Dispensation of FreeStyle Libre/Neo		X				
Dispensation of diaries		X	X		X	
Dispensation of glucose strips		X	X		X	
Collection of diaries, FreeStyle Libre/Neo data			X	X	X	X
Blood tests	X				X	X
Relevant questionnaires		X				X

AE, adverse event

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**Supplementary Table S2. DTSQs at baseline**

<b>Question</b>	<b>Control group</b> (46=n)	<b>Intervention Group</b> (50=n)	<b>P-value</b>
Satisfied with current treatment	4.48 (1.53)	4.26 (1.60)	0.47
Convenience of treatment	3.87 (1.64)	3.84 (1.71)	0.97
Flexibility of treatment	3.65 (1.51)	3.62 (1.86)	0.92
Understanding of diabetes	4.33 (1.43)	4.56 (1.16)	0.53
Willingness to recommend treatment to someone else	3.74 (2.04)	4.00 (1.91)	0.58
Satisfied to continue present form of treatment	3.70 (1.79)	3.82 (1.73)	0.81
Average score for each question (per patient)	3.96 (1.27)	4.01 (1.34)	0.87
Total treatment satisfaction score	23.76 (7.6)	24.1 (8.01)	0.88
Perceived frequency of hyperglycemia	4.11 (1.39)	4.12 (1.36)	0.97
Perceived frequency of hypoglycemia	2.48 (1.62)	2.05 (1.39)	0.19

Data are means ( $\pm$ standard deviation).

P-values were calculated using the Wilcoxon rank sum test.

DTSQs, Diabetes Treatment Satisfaction Questionnaire Status Version

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**Supplementary Table S3. Changes in DTSQs after 10 weeks (with imputed data)**

Question	Control group (n=46)	Intervention group (n=50)	P-value
Satisfied with current treatment	0.57 (1.26)	0.82 (1.55)	0.187
Convenience of treatment	0.43 (1.70)	1.14 (1.89)	0.019
Flexibility of treatment	0.63 (1.45)	1.42 (2.05)	0.044
Understanding of diabetes	0.39 (1.16)	0.48 (1.23)	0.621
Willingness to recommend treatment to someone else	0.98 (1.89)	1.08 (2.13)	0.604
Satisfied to continue present form of treatment	0.80 (1.82)	1.34 (1.98)	0.290
Average score for each question (per patient)	0.63 (1.16)	1.05 (1.47)	0.056
Total treatment satisfaction score	+3.80 (6.95)	+6.28 (8.80)	0.056
Perceived frequency of hyperglycemia	-0.70 (1.38)	-0.58 (1.55)	0.773
Perceived frequency of hypoglycemia	0.20 (1.60)	0.88 (1.88)	0.013

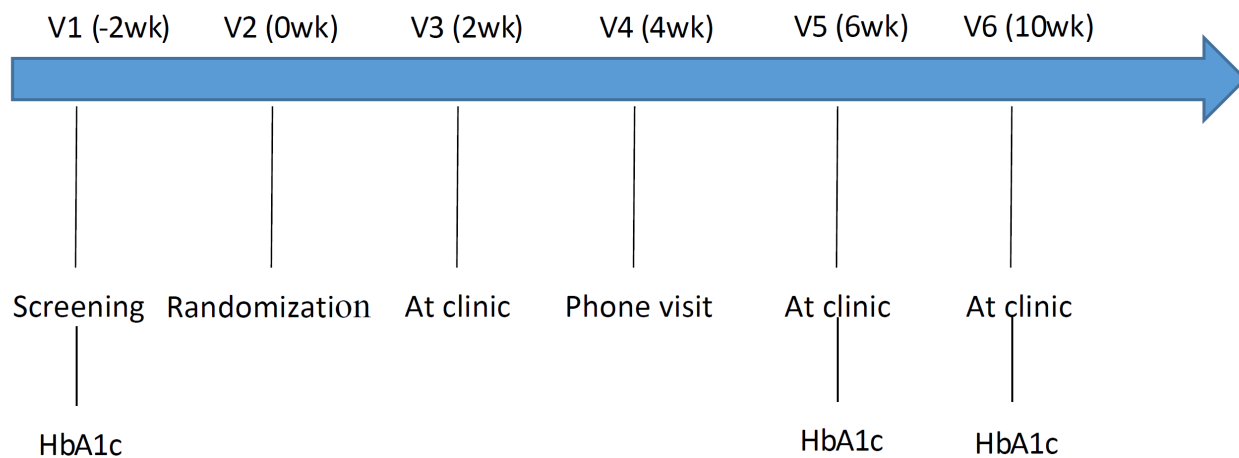
Data are means ( $\pm$ standard deviation).

P-values were calculated using the Wilcoxon rank sum test.

DTSQs, Diabetes Treatment Satisfaction Questionnaire Status Version

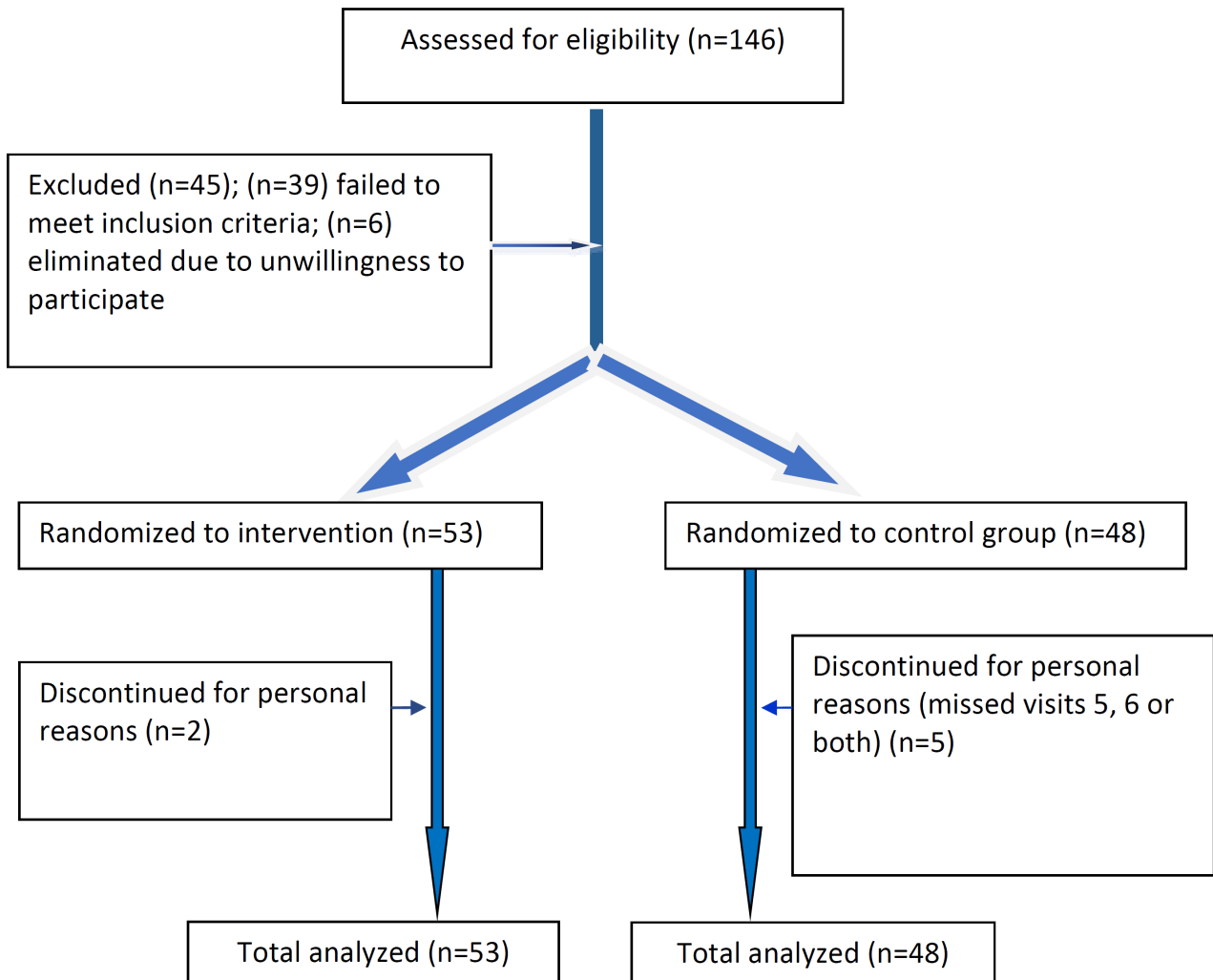
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**Supplementary Figure S1. Study Design Flow chart**



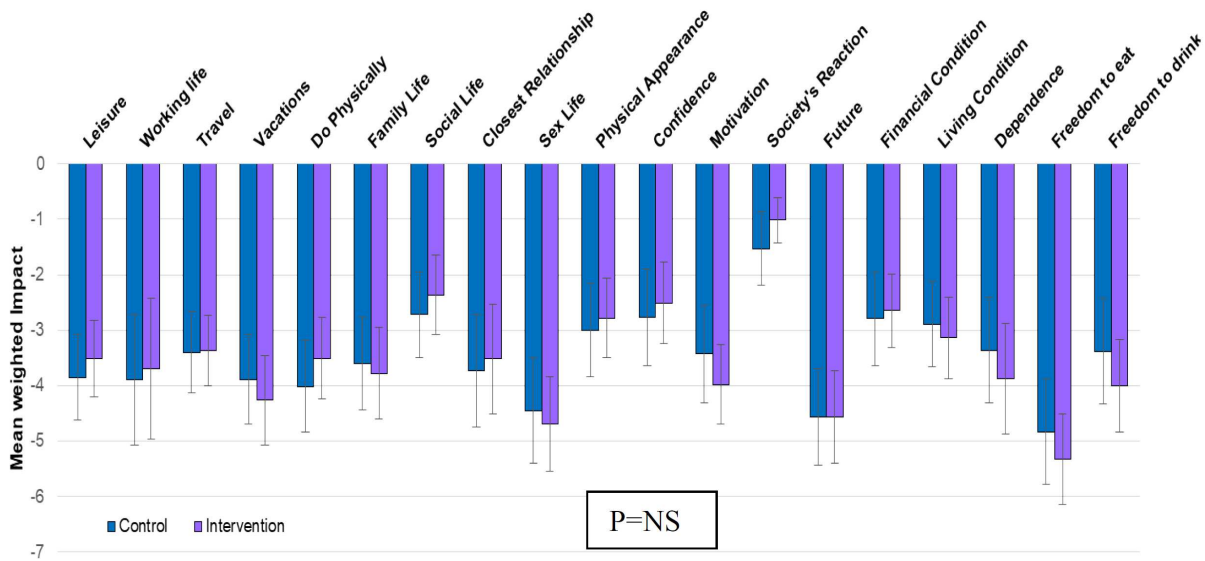
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Supplementary Figure S2. Study Flow chart



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Supplementary Figure S3. Weighted impact QoL scores evaluated by the ADDQoL questionnaire



Note. Weighted impact score = -9 (maximum negative impact of diabetes) to +3 (maximum positive impact of diabetes). The errors bars are the standard error.  
ADDQoL, Audit of Diabetes Dependent Quality of Life