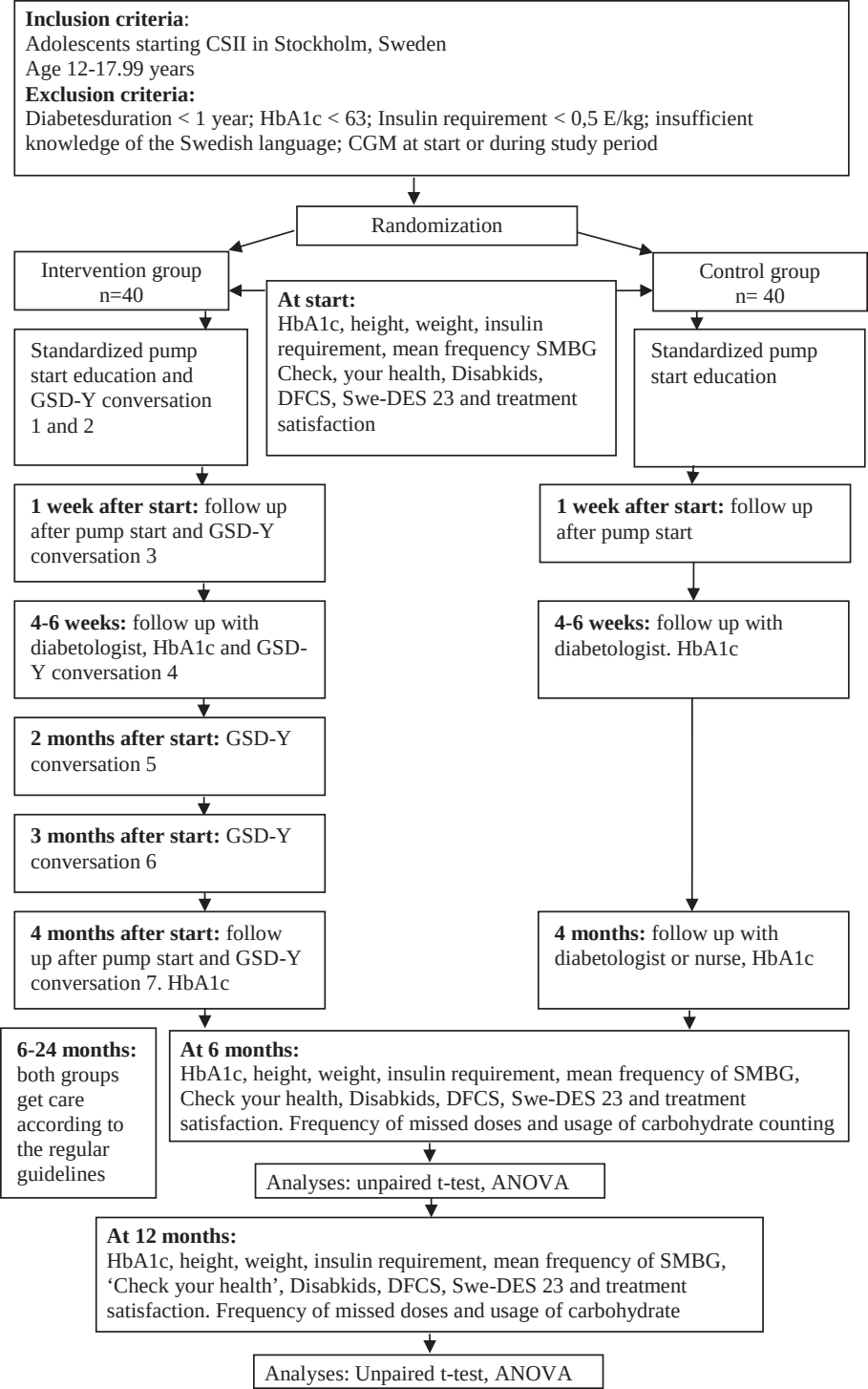
Inclusion criteria:
Adolescents starting CSII in Stockholm, Sweden
Age 12-17.99 years
Exclusion criteria:
Diabetesduration < 1 year; HbA1c < 63; Insulin requirement < 0,5 E/kg; insufficient knowledge of the Swedish language; CGM at start or during study period
Randomization
Intervention group n=40
Control group n= 40
At start: HbA1c, height, weight, insulin requirement, mean frequency SMBG Check, your health, Disabkids, DFCS, Swe-DES 23 and treatment satisfaction
Standardized pump start education and GSD-Y conversation 1 and 2
Standardized pump start education
1 week after start: follow up after pump start and GSD-Y conversation 3
1 week after start: follow up after pump start
4-6 weeks: follow up with diabetologist, HbA1c and GSD-Y conversation 4
4-6 weeks: follow up with diabetologist. HbA1c
2 months after start: GSD-Y conversation 5
3 months after start: GSD-Y conversation 6
4 months after start: follow up after pump start and GSD-Y conversation 7. HbA1c
4 months: follow up with diabetologist or nurse, HbA1c
6-24 months: both groups get care according to the regular guidelines
At 6 months: HbA1c, height, weight, insulin requirement, mean frequency of SMBG, Check your health, Disabkids, DFCS, Swe-DES 23 and treatment satisfaction. Frequency of missed doses and usage of carbohydrate counting
Analyses: unpaired t-test, ANOVA
At 12 months: HbA1c, height, weight, insulin requirement, mean frequency of SMBG, 'Check your health', Disabkids, DFCS, Swe-DES 23 and treatment satisfaction. Frequency of missed doses and usage of carbohydrate
Analyses: Unpaired t-test, ANOVA