

- Mean Insulin Need 36.0 ± 4.0 IU/day (70% regular, 30% NPH)
- Mean HbA1c 7.3 ± 0.4% (baseline)

Insulin Devices

- Novopen Demipen used by patients at baseline
- Medi-Jector VISON Jet Injector used thereafter for one year

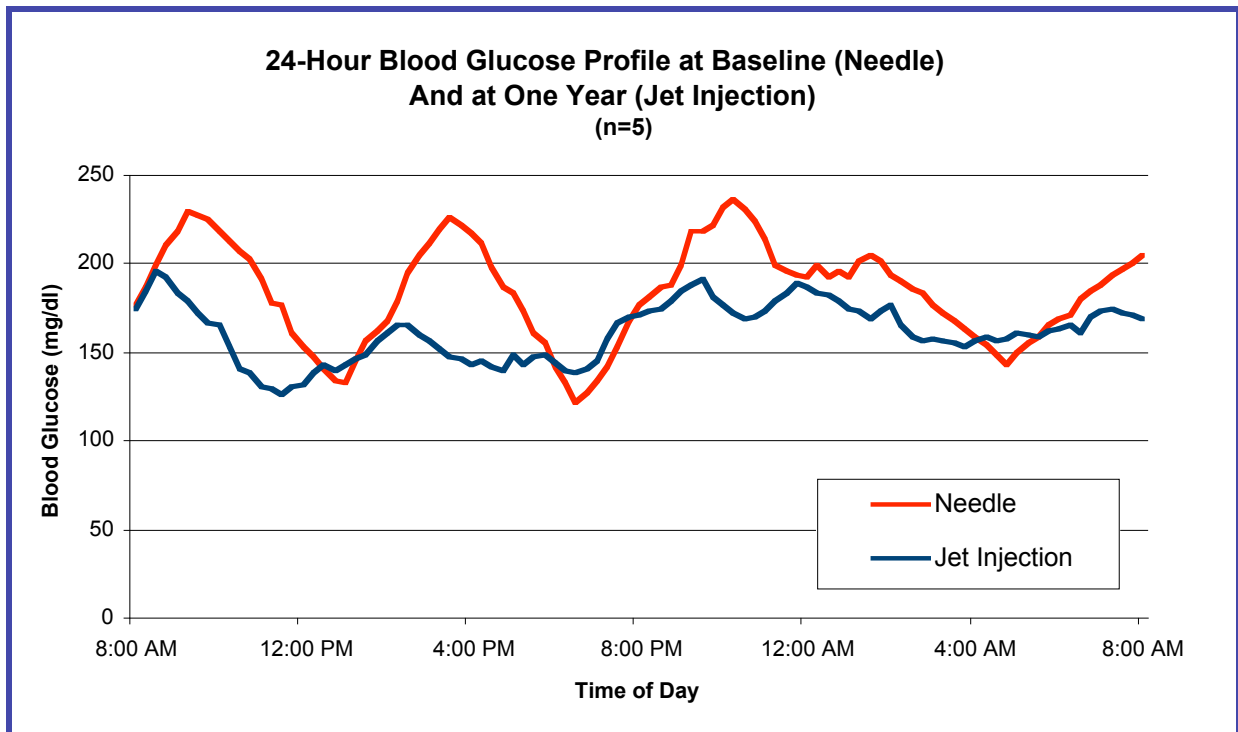
Food Consumption During Monitoring Periods

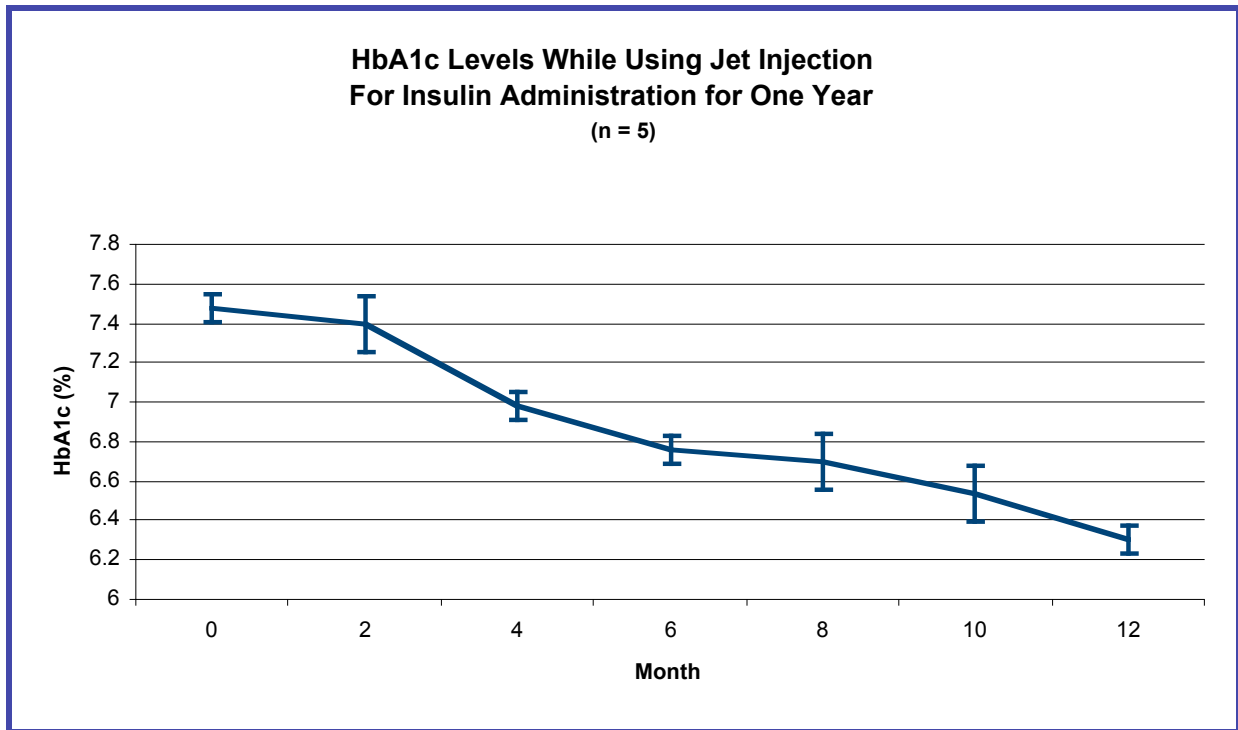
- Breakfast 430 ± 30 Kcal
- Lunch 860 ± 65 Kcal
- Dinner 660 ± 45 Kcal

Food Composition

- Carbohydrate 56%
- Protein 19%
- Fat 25%
-

RESULTS





SUMMARY

Compared to insulin administration with a needle, the Medi-Jector VISION jet injection device demonstrated:

1. The blood glucose profile produced by jet injection of insulin was sustained for one year.
2. HbA1c levels declined throughout the year of using jet injection.

CONCLUSIONS

1. Subjects with reasonable glycemic control as evidenced by HbA1c ($\leq 8.0\%$) were able to achieve meaning improvement after changing mode of insulin administration to jet injection.
2. A needle-free insulin administration regimen may be advantageous in reducing the risk of diabetes complications.