

# Clinical trials of glulisine + glargine

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## 1 diabetes type 2

Trial	Treatments	Patients	Trials design and methods
<b>insulin glulisine + glargine vs glargine once daily</b>			
<b>Owens , 2011</b> n=49/57 follow-up: 3 months	basal+bolus (single dose of insulin glulisine immediately prior to the main meal) versus basal insulin (glargin)	patients withT2DM using any basal insulin and HbA1c >7.0% after 3-month of insulin glargine titrated to optimize fasting bloodglucose control	Parallel groups open-label US, UK, Russia
<b>glulisine + glargine vs glulisine + glargine</b>			
<b>OPAL , 2008</b> n=NA follow-up:	single injection of glulisine before breakfast versus single injection of glulisine before their main mealtime (breakfast, lunch or dinner);	patients with type 2 diabetes who were suboptimally controlled on their previous glargine and OAD regimen	

More details and results :

- insulin therapy for diabetes type 2 in all type of patients at <http://www.trialresultscenter.org/go-Q548>

## References

### Owens, 2011:

Owens DR, Luzio SD, Sert-Langeron C, Riddle MC Effects of initiation and titration of a single pre-prandial dose of insulin glulisine while continuing titrated insulin glargine in type 2 diabetes: a 6-month 'proof-of-concept' study. Diabetes Obes Metab 2011;13:1020-7 [21679291] [10.1111/j.1463-1326.2011.01459.x](https://doi.org/10.1111/j.1463-1326.2011.01459.x)

### OPAL, 2008:

Lankisch MR, Ferlinz KC, Leahy JL, Scherbaum WA Introducing a simplified approach to insulin therapy in type 2 diabetes: a comparison of two single-dose regimens of insulin glulisine plus insulin glargine and oral antidiabetic drugs. Diabetes Obes Metab 2008 Dec;10:1178-85 [19040645] [10.1111/j.1463-1326.2008.00967.x](https://doi.org/10.1111/j.1463-1326.2008.00967.x)