

# Clinical trials of lispro

TrialResults-center [www.trialresultscenter.org](http://www.trialresultscenter.org)

## 1 diabetes type 2

Trial	Treatments	Patients	Trials design and methods
<b>lispro thrice daily vs basal insulin</b>			
Raz , 2009 n=NA follow-up:	three premeal doses of insulin lispro versus NPH twice daily or insulin glargine once daily	patients with type 2 diabetes after acute myocardial infarction	
<b>premixed insulin lispro vs basal-bolus</b>			
Masuda , 2008 n=NA follow-up:	twice-daily 50/50 premixed insulin lispro versus NPH insulin at bedtime and preprandial insulin lispro	insulin-naive type 2 diabetic patients	
<b>lispro +glargine vs continuous infusion</b>			
Herman , 2005 n=NA follow-up:	multiple daily injection using insulin lispro and insulin glargine versus continuous subcutaneous insulin infusion using insulin lispro	-	
<b>lispro PS vs glargine</b>			
Strojek , 2010 n=NA follow-up:	insulin lispro protamine suspension (ILPS) once or twice daily versus insulin glargine once daily	-	open-label
<b>lispro mixture vs glargine once daily</b>			
Chan META-ANALYSIS , 2009 n=NA follow-up:	insulin lispro mixtures, given twice or thrice daily versus insulin glargine, given once daily	patients with type 2 diabetes treated with metformin	
<b>premix lispro 50/50 thrice time vs glargine once daily</b>			

continued...

<b>Trial</b>	<b>Treatments</b>	<b>Patients</b>	<b>Trials design and methods</b>
<b>Robbins , 2007</b> [NCT00191464] n=158/159 follow-up: 24 weeks	lispro mix 50/50 (50% insulin lispro protamine suspension [ILPS] and 50% lispro) TID for 24 weeks versus insulin glargine QD at bedtime	patients with type 2 diabetes mellitus and an HbA(1c) level of 6.5% to 11.0% , who were receiving metformin and/or a sulfonylurea with a stable dose of 0 to 2 daily insulin injections	Parallel groups open-label Australia, Greece, India, The Netherlands, Poland, Puerto Rico, and the United States
<b>Kazda , 2006</b> n=54/53 follow-up: 24 week	3x daily lispro mid mixture (MidMix; 50% lispro, 50% protaminated lispro), versus 1x daily insulin glargine	patients with type 2 diabetes starting insulin treatment	Parallel groups open-label Germany
<b>premix lispro 75/25 twice daily vs glargine once daily</b>			
<b>DURABLE (Buse) DOUBLONS , 2011</b> n=NA follow-up:	lispro mix 75/25 twice daily versus once-daily insulin glargine	type 2 diabetes patients	
<b>DURABLE (Buse) , 2009</b> [NCT00279201] n=1045/1046 follow-up: 24 weeks	twice-daily lispro mix 75/25 versus daily glargine	patients with type 2 diabetes mellitus failing to achieve control with starter insulin treatment and continuing oral antihyperglycemic drugs	Parallel groups
<b>Malone , 2004</b> n=105/105 follow-up: 16 week	mixture of 75% insulin lispro protamine suspension and 25% insulin lispro (Mix 75/25) BID versus insulin glargine QD	patients with type 2 diabetes beginning insulin therapy	Cross over open-label USA
<b>Malone , 2005</b> n=97/97 follow-up: 32 weeks	insulin lispro mixture (25% insulin lispro and 75% NPL) twice daily versus once-daily insulin glargine	patients with Type 2 diabetes inadequately controlled with intermediate insulin, or insulin plus oral agent(s) combination therapy	Cross over
<b>premix lispro thrice daily vs glargine once daily</b>			
<b>Jacober , 2006</b> n=60/60 follow-up: 4 months	intensive insulin lispro mixture therapy for 4 months versus once-daily insulin glargine	insulin-naive patients with type 2 diabetes receiving oral antidiabetes agents	Cross over
<b>lispro vs glargine once-daily</b>			
<b>APOLLO (Bretzel) , 2008</b> [NCT00311818] n=NA follow-up:	nsulin lispro administered three times per day versus insulin glargine taken once daily at the same time every day	type 2 diabetes mellitus that was inadequately controlled by oral hypoglycaemic agents	
<b>insulin lispro protamine suspension plus lispro vs glargine plus lispro</b>			

continued...

Trial	Treatments	Patients	Trials design and methods
Koivisto , 2011 n=NA	-	-	
<b>lispro vs insulin detemir</b>			
Fogelfeld , 2010 n=223/219 follow-up: 24 week	Insulin lispro protamine suspension versus insulin detemir once daily at bedtime	insulin-naive patients with Type 2 diabetes	Parallel groups open-label
<b>lispro + NPH vs NPH + SU</b>			
Bastyr , 1999 n=NA follow-up:	preprandial insulin lispro plus bedtime NPH insulin versus bedtime neutral protamine Hagedorn (NPH) insulin plus sulfonylurea	-	
<b>lispro insulin vs NPH insulin</b>			
Bastyr , 2000 n=NA follow-up:	insulin lispro versus bedtime NPH insulin	-	
<b>lispro + NPH vs NPH twice daily</b>			
Ceriello , 2007 n=NA follow-up: 12 weeks	premeal insulin lispro+bedtime neutral protamine Hagedorn (NPH) versus twice-daily NPH	patients with type 2 diabetes treated by a 2-month lead-in with twice-daily NPH treatment	Cross over open-label
<b>lispro insulin + NPH insulin vs regular insulin + NPH insulin</b>			
Altuntas , 2003 n=NA follow-up:	lispro insulin + NPH insulin versus regular insulin + NPH insulin	-	
<b>lispro twice daily + NPH insulin vs regular insulin + NPH insulin</b>			
Vignati n=NA follow-up:	twice-daily insulin lispro in combination with NPH human insulin versus regular human insulin in combination with NPH human insulin	-	

More details and results :

- intensive therapy for diabetes type 2 in all type of patients at <http://www.trialresultscenter.org/go-Q459>
- insulin therapy for diabetes type 2 in all type of patients at <http://www.trialresultscenter.org/go-Q548>

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