Participant ID			Nicl	knam	ne		

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## Restoring Insulin Secretion Study CLAMP: Hyperglycemic Clamp

1.	Study Visit Number VISIT	BAS	M12	M15
2.	Visit date (mm/dd/yyyy) Replaced with DAYSRAND		_/	
3.	Staff ID			

*Instructions: Complete this form at any visit when a clamp is completed* (BAS, M12, M15).

<u>Pre</u>	Prestudy YSI QC (round to the nearest whole number, if applicable)									
4.	Glucose value of standard 1 (200 mg/dl) <sup>CLQC10</sup>	mg/dl								
Tes	Test Qualification									
Со	nfirm the participant's readiness for the clamp:									
	<ul> <li>Did not take any study medications the morning of this visit</li> </ul>	True	False							
	<ul> <li>b. If any non-study medications were taken this morning, please list:</li> </ul>									
	c. No current illness	True	False							
	d. Did not exercise, other than walk, within past 10 hours	True	False							
	e. Has fasted for at least 10 hours	True	False							
	f. Recent Hb or Hct within local guidelines to proceed	True	False							
5.	Is the participant prepared for the clamp test?   → All above must be true. CLPREP	1 Yes	2 NO							
<b>→</b> Į	$\rightarrow$ If YES, Proceed. If NO, STOP and reschedule the clamp test.									
6.	If menstruating, date of last menstrual period (leave blank for males) (mm/dd/yyyy)									
7.	Weight (kg) WEIGHT		kg							
8.	-10 min fasting bedside glucose CLFASTCGLM10		mg/dl							
9.	-5 min fasting bedside glucose CLFASTCGLM5		mg/dl							
10.	Stage 1 D20W glucose bolus CLBOLUS1		] <sub>ml</sub>							

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## Glucose Measurements

 $\Rightarrow$  A small volume of arterialized venous blood will be obtained at 5-minute intervals throughout the clamp for measurement of plasma glucose concentration and titration of the dextrose infusion.

Target Time	(a) Timer time	(b) Bedside Glucose (mg/dl)	(c) Infusion Rate (ml/hr)				
0 minute → Start timer now	000.00						
11. 30 minutes	CLATIME30M/CLATIME30S	CLAGLUC30	CLAINF30				
12. 60 minutes	CLATIME60M/CLATIME60S	CLAGLUC60	CLAINF60				
13. 90 minutes	CLATIME90M/CLATIME90S	CLAGLUC90	CLAINF90				
→ Start 'Stead	ly State' Sampling						
14. 100 minutes*	CLATIME100M/CLATIME100S	CLAGLUC100	CLAINF100				
sampling and continue	e adjusting the glucose infus	ichieved by 100 minutes, dela ion to achieve this target. In c ner. See MOP v. 2 Chapter 5 f	Ill cases Steady State				
15. 1 <sup>st</sup> sample (e.g. 110 minutes)	CLATIME110M/CLATIME110S	CLAGLUC110	CLAINF110				
16. 2 <sup>nd</sup> sample (e.g. 120 minutes)	CLATIME120M/CLATIME120S	CLAGLUC120	CLAINF120				
17. URINE Volume at end STAGE 1 (measure total urine volume and collect 2 ml sample for CBL analysis) CLURINE ml							
→ Restart timer at start of Phase 2 of the clamp.							
18. Stage 2 D20W glucose bolus * If less than the amount calculated by the spreadsheet, enter reason in Q23 below. CLBOLUS2 ml							
CLD50BOLUS	150W glucose bolus required glucose of Stage 2 is less than 400 r	1 Yes	2 No				
a. Stage 2 D50W							

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Target Time	(a) Timer time	(b) Bedside Glucose (mg/dl)	(c) Infusion Rate (ml/hr)					
205 minutes pre-arginine	CLATIMEM5M/CLATIMEM5S	CLAGLUCM5	CLAINFM5					
211 minute pre-arginine	CLATIMEM1M/CLATIMEM1S	CLAGLUCM1	CLAINFM1					
*If target plasma glucose of >450 mg/dl is not achieved within 30 minutes of the start of the second phase, delay 'arginine injection' sampling and continue adjusting the glucose infusion to achieve this target. In all cases arginine infusion must be started by 45 minutes. Reset timer when arginine infusion begins. See MOP v. 2 Chapter 5 for further details.								

22. The Hyperglycemic Clamp was (CHECK ONLY ONE): CPROBLEM

Completed without problem

Completed with a problem

## Not completed

23. If "**not completed**" or "completed **with** a problem," including but not limited to issues with glucose bolus delivery, please provide complete information describing the problems or variances from the usual procedure. CLWHY

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