				<b></b>									
Canterbury District Health Board Te Poari Hauora ō Waitaha CHRISTCHURCH WOMEN'S HOSPITAL MATERNITY SERVICES				SUR	SURNAME NHI								
				FIRS	FIRST NAME DOB ADDRESS 								
				ADD									
	Insu	ulin In <sup>.</sup>	fusic	on foll	owin	a Bet	amet	haso	ne	e Injecti	ons		
				nen w		-				-			
		ll in blanks	as need	ed. Where	alternati	ves are of	fered strik	e out thos	se th	at do not apply			
		se one she	-		-	a new she	et if the r	recipe <u>str</u>	-	<u>th</u> is changed			
PREPARATION SLIDING			NG SCAI Glucose				Scale B		(cross out the scales not in use Scale C Scale D				
Take 100 units (1 mL) of Actrapid <sup>®</sup> insulin and make up			(mmol/L)		(< 40 units/day)		(41-80 units/day)		(81-120 units/day)		(> 120 units/day)		
to 100 mL with 0.9% sodium chloride to make			< 6		0 mL/hr		0 mL/hr		0 mL/hr			0 mL/hr	
a 1 unit/mL solution.			6.1 – 7.0 7.1 – 8.0		0.5		1 2		2 3		3		
Prior to commencing the infusion flush the tubing with			8.1 - 9.0		1.5		3		4		7		
10 mL of solution to ensure that		sure that		9.0 - 10.0		2			6		10		
plastic receptor binding occurs.			> 1	> 10.1		3		6		8	13		
		TCHES		BATCH N	0.2			DA		<u> 1 No.3</u>			
						Time	:			<u>1 NO.3</u> ///	Time:		
				luid batch number:			Fluid batch number:						
	urse 1 sign: .				-	n:				e/Nurse 1 sign:			
	urse 2 sign: .				urse 2 sig	n:		Mi	dwife	e/Nurse 2 sign:			
σΑΝ	HANGES TO INFUSION RATE Sliding Scale				Prescri			MW/Nurs	se 1 MW/Nurse 2				
Date	Time (A-								sign sign		Time changed		
Adminis	tration							S	olub	le insulin (Huma	in Actrap	id®) 1 unit/mL	
Date: Time	Blo	od Glucose	<u> </u>	Insulin	MW/Nu	Date		Blood	Gluc	9303	Insulin	MW/Nurse	
(hourly)	(mmol/L)		mL/hr					nmol/L)		mL/hr	sign		
												<u> </u>	

Between the hours of 0800-1700 Monday to Friday, contact Obstetric Physician who will advise whether an intravenous infusion can be avoided in women who aready take insulin and have good blood glucose control (a trial of increasing subcutaneous insulin doses by 50% may be feasible).

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SURNAME	NHI							
FIRST NAME	DOB							
ADDRESS								
POSTCODE								

## For women treated with insulin

Women need to be cared for in an environment where the staffing levels allow hourly observation.

Women will continue to administer their usual subcutaneous insulin regimen without any change in dosage in addition to receiving intravenous insulin according to this protocol. Metformin should be continued. These should be charted on the QMR0004.

Diabetic diet should be followed, splitting meals when possible as guided by a dietitian. Their usual premeal subcutaneous insulin should be administered 20-30 minutes before eating.

## Immediately prior to the first steroid injection

- A supplementary, variable dose intravenous insulin infusion is commenced (see chart for instructions). The hourly rate is adjusted according to hourly blood glucose measurements. The initial dosage is determined according to her current 24 hour subcutaneous insulin requirements (short + long-acting) (see Supplementary Insulin Requirement Table).
- Following administration of the first dose of steroid, the patient will continue to eat and drink as normal and will continue to administer her usual subcutaneous insulin regimen, without any change in dosage.
- Intravenous fluids are NOT co-administered if the woman is eating and drinking normally.
- The supplementary Insulin infusion is continued for at least 12 hours after the second steroid injection. Between 2200 0600 hours, if blood glucose levels are stable for two consecutive hours, decrease the frequency of blood glucose monitoring to 2-3 hourly overnight.
- If blood glucose levels are not responding to the initial regimen (ie. glucose > 10 mmol/L for 2 consecutive hours) the dosage regimen is moved up to the next level (eg. if commenced on regimen A, move up to regimen B, etc.)
- If the blood glucose level is < 4 mmol/L on one occasion the dosage regimen is moved down one level (eg. if on regimen C, move down to regimen B, etc.)

## For women treated with diet +/- metformin

Diabetic diet should be followed, splitting meals when possible as guided by a dietitian. Metformin should be continued.

Monitor capillary blood sugar levels on waking, before and after each of the three main meals, and at bedtime.

If capillary blood sugars levels rise to  $\geq$  5.5 mmol/L fasting or  $\geq$  8 mmol/L after meals commence the supplementary insulin infusion on regimen A.

- Intravenous fluids are NOT co-administered if the woman is eating and drinking normally.
- The supplementary Insulin infusion is continued for at least 12 hours after the second steroid injection. Between 2200 0600 hours, if blood glucose levels are stable for two consecutive hours, decrease the frequency of blood glucose monitoring to 2-3 hourly overnight.
- If blood glucose levels are not responding to the initial regimen (ie. glucose > 10 mmol/L for 2 consecutive hours) the dosage regimen is moved up to the next level (eg. if commenced on regimen A, move up to regimen B etc.)