



What We Plan to Cover Today

OKAKI Diabetes Virtual Care Clinic

- Injection technique
- Types of insulin
- Practicing calculations / insulin adjustments



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Lon:	g-ac	ting Insul	in- Glargine	e, detemir, de	OKAKI Diabetes glu Cvirtual Care Clinic
		Onset	Peak	Duration (hours)	
	()	90 min	N/A	Detemir 16-24 Glargine 24 U-300 >30 Degludec 42	
	Brands	Lantus, BasaGlar, Lever	mir, Toujeo, Tresiba		
		 Variable shelf stabili Lower risk of hypogly compared to glarging Syringe, reusable pe 	ty (28-56 days) rcemia with degludec e U-100 n, prefilled pen	and glargine U-300	

Mixe	d In:	sulin- Humı	ılin, Novolin, N	ovoMix, Huma	OKAKI Diabetes Niitual Care Clinic
		Onset	Peak	Duration	
	\bigcirc	Variable	Variable	Variable	
	Brands	Humulin, Novolin, Novo	Mix, Humalog Mix		
		 Regular insulin or ins intermediate insulin Variety of combination Cloudy 	sulin analogues combi	ned with 0/70, 40/60, 50/50	
OKAKI					Response to Control Brongeneration of Pagesters

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What needs adjusting?						OKAKI Diabetes Virtual Care Clinic		
If BRE A	AKFAST ose is:	If LUNCH glucose is:		If SUPPER glucose is:		If BEDTIME glucose is:		If OVERNIGHT glucose is:
LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW	HIGH	LOW
Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease	Increase	Decrease
Bedtim	e Basal	Breakfa	st Bolus	Lunch	Bolus	Suppe	r Bolus	Bedtime basal or bedtime snack bolus

Area of the second s

Sliding Scale Calculations Practice

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	Blood Sugar (mmol/L)	Smaller / Low Carb Meals (units)	Regular Size Meals (units)	
Try it for our patient! We have base dose of	Less than 4	Treat low sugar with		
		15 grams	of sugar	
17 units, and ISF of 2	4.0 - 12.0	14	17	
	12.1 – 14.0	15	18	
	14.1 – 16.0	16	19	
	16.1 – 18.0	17	20	
	Above 18.1	18	21	

Sliding Scale for Humalog Mealtime Insulin:

Sliding Scale Calculations Practice ISF of 0.5

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Sliding Scale Calculations Practice ISF of 0.5

Blood Sugar Breakfast Supper **Bedtime** I like to "test" it like this: (mmol/L) (units) (units) (units) Less than 4 Treat low sugar with 15 grams of sugar If this person's sugars were at 17, they would 4 - 10.0 10 take 26 units of insulin 10.1-12.0 14 (16 units extra) 12.1-14.0 18 We expect 14.1-16.0 22 1 unit lowers BG by 0.5, 16 units lowers by 8 16.1-18.0 26 17 - 8 = 9So we'd get BG to target ISF = 0.5 range of 4-10. 1 unit lowers BG by 0.5 So that also means - 2 units lowers BG by 1, or 4 units lowers BG by 2

