

Insulin Cheat Sheet

by Cdorris via cheatography.com/137130/cs/28725/

Action

Promotes cellular uptake of glucose

Converts glucose into glycogen

Stops release of fats

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Stops gluconeogenesis

Starts producing glycogen & fat

Converts amino acids into proteins

Converts fatty acids into triglycerides

Moves Potassium into cells

Indication

Type 1, 2, or gestational diabetes

(DOC in pregnancy due to limited adverse effects and inability to cross placenta)

Cautions

Elderly

Renal patients b/c insulin can accumulate

Contraindications

hold medication if blood glucose <50

Routes of Administration		
Timing:	varies depending on type of insulin	
SubQ	all types	
IV/IM	only regular insulin (short acting)	
Inculin	only rapid acting	

Insulin only rapid acting pump

Inhaled only rapid acting

Administration Timing Guide

Types	Onset	Peak	Duration
Rapid	10-20 min	0.5-2 hr.	3-5 hr
Short	30-60 min	2.5 hr	6-12 hr
Interm- ediate	1-1.5 hr	4-14 hr	24 hr
Long-A-	60-70	None	24 hr

Patient Education

cting

Educated about sick day rules

min

Educated about long-term complications of diabetes

Rotate administration sites to prevent lipodystrophy

Life-long treatment (T1D)

Wear a medical alert bracelet

Store unopened insulin in fridge

Discard insulin after 30 days of use

Drug Interactions		
Beta Blockers	mask signs of hypoglycemia	
Steroids	decrease effectiveness of insulin	
Alcohol	Can cause increased or decreased blood glucose levels	
MAOIs		
Thiazide		

Adverse Effects

Hypoglycemia
Lipodystrophy
Hypokalemia
DKA



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