Cheatography

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
Stops release of fats
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 a	Administra	tion	
Timing:	varies de insulin	pending or	n type of
SubQ	all types		
IV/IM	only regu acting)	ılar insulin ((short
Insulin pump	only rapid	d acting	
Inhaled	only rapid	d acting	
Administra	tion Timin	g 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- cting	60-70 min	None	24 hr

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			

Patient Education

Educated about sick day rules
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

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