

Diabetic ketoacidosis		
Is	hyperacidity of the blood <u>due</u> to the presence of high amount of KB, which is produced <u>due</u> to cell deprivation of glc, <u>due</u> to insulin def. (insulin def → no IC glc → lipolysis → KB production → acidosis)	
Symptoms	- <u>hyperventilation</u> -nausea, vomiting -Polyuria	-smell of Acetone in breath -abdominal pain -Dehydration
Lab	-Hyperketonemia	-Hyperglycemia                      -acidosis
Dehydrat.	DM pt have hyperglycemia → glucouria → osmosis pulls water from circulation to follow urin glc → dehydration	
Treatment  (correction of:	Hyperglycemia	<b>give insulin</b> -IV Regular insulin
	Dehydration	<b>fluids intake (rehydration)</b> -saline infusion
	Electrolyte def	<b>K supp</b> -added into the saline infusion
	Ketoacidosis	<b>bicarbonate supp</b> -used only if arterial PH<7 after 1h of rehydration -administered once every 2h till arterial PH=7

## SUMMARY ↓

	Hypoglycemic coma	Hyperglycemic coma
Etiology	Hyperinsulinemia	Insulin def & hyperKBemia
Starter	Rapid	Slow & gradual
PH	Neutral	Acidosis
BP	Normal	Abnormal
Ventilation	Normal	Hyper
Skin	Pale & sweaty	Hot & dry
CNS	Tremors, confusion, convulsion..	Depression
Glycemia	Hypo	Hyper
KBemia	Normal	hyper