Blood glucose >200 mg/dl and Blood ketones >3 mmol/L and Venous pH <7.3 or bicarbonate <15 mEq/L

Confirmation of DKA

Rehydration protocol
Fluid type: Trial fluid based on randomization
Volume: Deficit (6.5-10%) + Maintenance fluid as per Holliday Segar
Duration: Over 48 hours given as hourly infusion

Add KCl
40 mEq/L after ensuring urine output
Maintain K⁺ between 3.5-5.5 mEq/L

Insulin therapy
Start insulin infusion after first hour of fluid initiation at 0.05 U/kg/hour

Blood glucose ≤ 250mg/dl
Change fluids to 0.45% saline 5% Dextrose

End point of DKA
pH >7.3,
Bicarbonate >15mEq/L
Normal sensorium

Start subcutaneous insulin
Stop insulin infusion after 30 min
Stop fluid therapy once oral acceptance achieved

Pediatric endocrinology consult

Hypotensive shock
Trial fluid bolus 10-20 ml/kg over 1 hour

Monitor vitals
Continuous ECG monitor
Check RBS hourly
Serum electrolytes, Urea, creatinine & blood gas q4 hourly

Maintain Blood glucose 180-220mg/dl by titrating dextrose concentration