

Blood ketones and hyperglycemia in patients with T1DM

Type 1 DM with CBG > 13.9

check blood ketones & VBG
(VBG 1st cycle only)

ketones < 0.6
H⁺ < 45

consider
correction dose
of insulin

ketones ≥ 0.6 - < 1.5
H⁺ < 45

give 5% of TDD
as fasting acting
insulin

ketones ≥ 1.6 - < 3.0
H⁺ < 45

give 10% of TDD
as fasting acting
insulin

ketones ≥ 3.0
H⁺ < 45

give 20% of TDD
as fasting acting
insulin

ketones ≥ 3.0
H⁺ > 45 ± bic < 18

DKA protocol

recheck CBG and
ketones in 2 hours

TDD = total daily dose, sum of all long and fasting insulin taken in one day