

A 17 year-old girl is brought to ED with acute confusion after an argument with her boyfriend. Her boyfriend says she took a lot of tablets.

HR 120
RR 40
Temp 37C
Bp 130/80
GCS 10

Her ABG on room air and biochemistry:

pH 7.30
pO₂ 90
pCO₂ 18
HCO₃ 10
BE -18

Na 143 (135-145)
K 3.0 (3.2-4.5)
Cl 103 (99-110)
Ur 5.0 (3.0-8.0)
Cr 152 (60-120)
Glucose 5.4 (3.0-6.0)

List the abnormalities on the pathology results.

What are the most likely cause and what are the differential diagnoses?

What is your approach in the treatment of this patient?