RESUSCITATION FLUID CALCULATION

Administer half of the 24-hour total in the first 8 hours post burn injury and the remaining half in the next 16 hours.

The first 8 hour IV rate must take into consideration the fluid already administered and the hours that have elapsed from time of injury to time of resuscitation.

Estimated 24 Hour total IV Fluids:

A = 3 mL x _____ kg x _____ =
(Patient's weight) (TBSA Burned - use whole number)

24 Hour Fluid Total:
A = _____ mL/24 h

Estimated first 8 hours IV rate:

Half of the 24 hour estimated fluids minus fluids already administered and divide by the remaining hours of the first 8 hours since the time of burn

B = Half of the estimated 24 hour total fluids = A ÷ 2 = _____ mL

C = Amount of fluids already administered = _____ mL

D = 8 hours minus time elapsed since time of burn injury = _____ h

First 8 Hour IV Rate:
(B – C) ÷ D = _____ mL/h

(_____mL - _____mL) ÷ _____h = _____mL/h
B C D

Estimated second 16 hours IV rate :

Half of estimated 24 hour IV fluids divided by 16 hours

Second 16 Hour IV Rate:
B ÷ 16 = _____ mL/h

_____mL ÷ 16 = _____mL/h
B

http://www.phsa.ca/our-services/programs-services/trauma-services-bc#Resources