Renal Vignettes

Thirst Stimulation By Hypovolemia

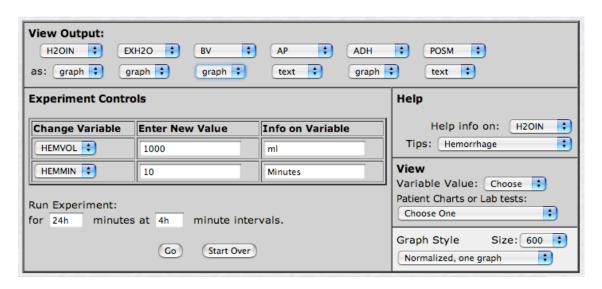
HUMAN vignettes are brief, highly targeted exercises aimed at reinforcing single basic physiological points. The student may then continue to explore by further modifying the experimental design as they wish.

Responses via the extracellular fluid regulation mechanisms involve the coordination of both renal output and fluid input (e.g. drinking).

Below you induce a hypovolemia and follow both fluid intake and fluid output to obtain an appreciation of their coordination.

We deplete blood volume via hemorrhage and then monitorfluid intake in addition to fluid output. [Further discussion of this topic can be found in Guyton 361].

Below please find the experimental protocol to carry out this investigation. Note well that *you should understand each of the variables employed*; use Help info on: or from a Help screen pick the View summary of <u>all variables link</u>.



Comment of the coordination of input and output regulation.