

What if...

(handout)

1. What if blood levels of the pituitary hormone ADH were excessive?
How will this affect BP?

How will HR change to attempt to compensate?

How will the vasomotor center affect blood vessels?

By what reflex?

2. What if you apply finger pressure on the carotid sinuses (called “carotid massage”)?
How should this affect HR?

How would the change in HR affect BP?

How will the vasomotor center affect blood vessels?

By what reflex?

3. Septicemia due to bacterial infection often causes vasodilation in spite of the efforts of the vasomotor center to maintain diameter.
How will this affect BP?

How will HR change to attempt to compensate?

4. What if the large veins (such as inferior vena cava) returning blood to the heart vasoconstricted as they do at the onset of exercise...

How will this affect preload?

How will HR change?

How will strength of contraction change? _____ By whose ‘law’? _____

How will SV be affected?

How will all this affect CO and BP?