Regulation of blood pressure

Stimulus = BP is too high:

Sensor = heart baroreceptors

Heart secretes ANP

Kidney response to that is:

which causes: GFR

↓ water reabsorption
↑ urine output
↓ blood volume
↓ blood pressure

Sensor = aortic arch & carotid artery baroreceptors

Integrating center = medulla,

which stimulates a parasympathetic response.

Heart response is:

↓ heart rate

vasodilate

Systemic arteriole response is:

both of which ↓ blood pressure