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Why W neurons decreases and C neurons increases in fever?

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As you aware, if temperature increases (Absence of fever)after 31 degree Celsius , Warm sensitive neurons increase their firing rate and inhibit Cold sensitive neurons as core temperature increases. As temperature drops, the firing rate of Warm sensitive neurons decreases, reducing their inhibition, and Cold sensitive neurons which respond by increasing their firing rates.

On the contrary to increase of temperature, in fever the firing rate of Warm sensitive neurons decreases, the firing rate of Cold sensitive neurons increases as core temperature increases. inhibit warm sensitive neurons. The temperature increasing and decreasing controlled by the brain. The firing rate of Warm sensitive neurons and Cold sensitive neurons also controlled by the brain.

A practicing physician in the field of healthcare in the state of Kerala in India for the last 30 years and very much interested in basic research. My interest is spread across the fever, inflammation and back pain,. I am a writer. I already printed and published nine books in these subjects. I wrote hundreds of articles in various magazines.
After scientific studies we have developed 8000 affirmative cross checking questions. It can explain all queries related with fever

1. Pathophysiology of temperature regulation
2. Fever: basic mechanisms and management.
3. Our understanding of the neural basis of thermoregulation and fever is still rudimentary. In fever, the thermostatic mechanism is set at a higher level even though it is not completely deranged. The role of fever in the defense reaction is not clear.

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Page 13-17