

# Sensation & Perception

## Ch. 14: The Cutaneous Senses

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### Main topics

Mechanoreceptors

Temporal, spatial, & frequency responses

Cortical map

Tactile acuity

Perceiving texture

Pain perception

# The Cutaneous sensations

- Sensations based on the stimulation of receptors in the skin.
  - Pressure, vibration, heating, cooling, and tissue damage.
- It is served by the somatosensory system.
- It also creates
  - Proprioception (the body sense – e.g., balancing the body)
  - Kinesthesia (the sense of the position and movement)

- Ian Waterman (a 17 year old butcher)

- Contracted flu.
- Damaged somatosensory cortex
- Couldn't
  
- As a result, he lost the ability to
  - feel skin sensation below his neck.
  - feel his body,
  - adjust his body position
  - grasp objects properly.

