



# L8 Spinothalamic Tract (Anterolateral)

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# objectives

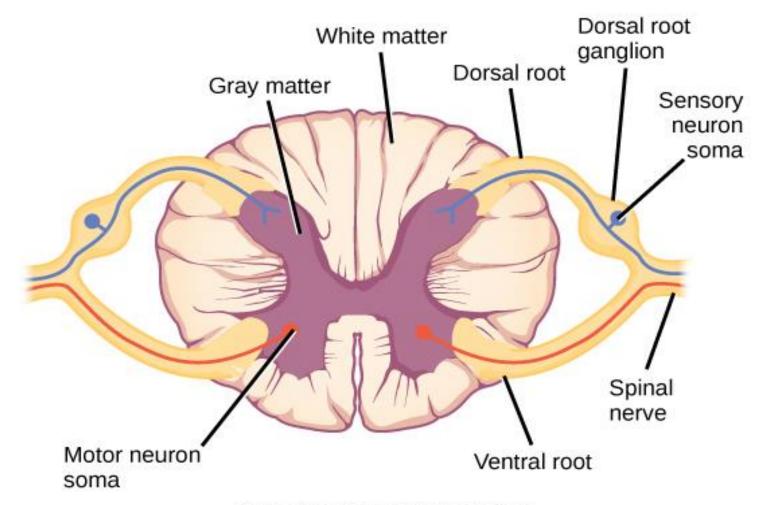
- 1. Pathway of anterolateral
- (spinothalamic) tract
- 2. First, second and third order neuron location.
- 3. Brown-Séquard Syndrome?

### Anterolateral System

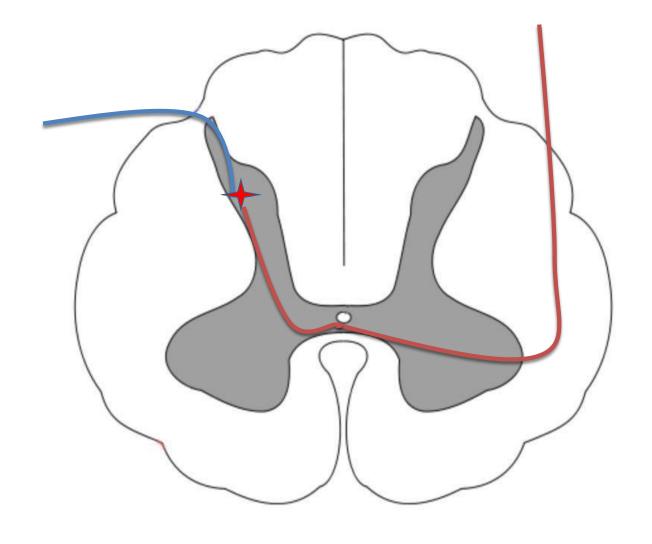
it is the principal direct pathways to the cerebral cortex for pain, temprture and crude touch

# The types of sensations transmitted in the anterolateral system include:

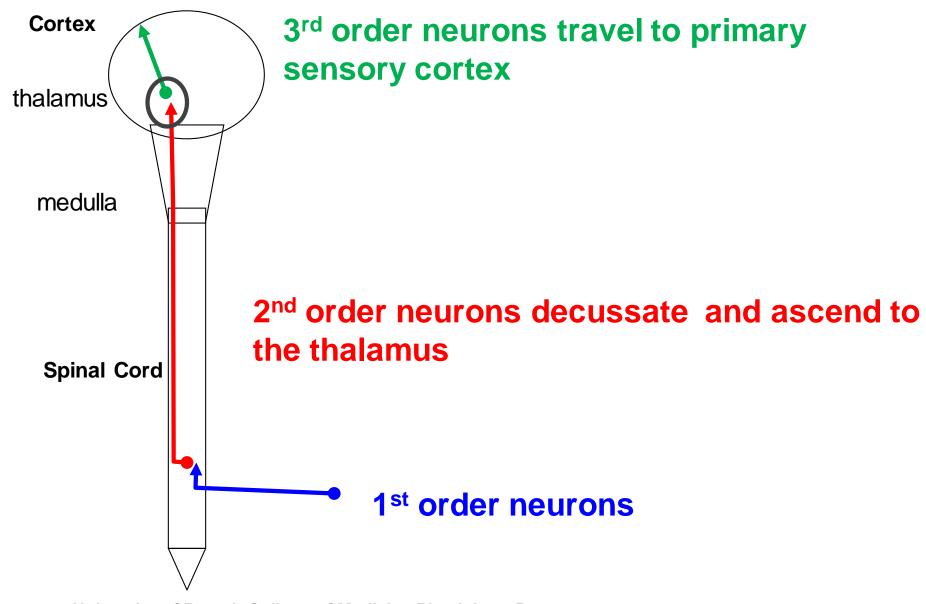
- 1. Pain.
- 2. Thermal sensations
- 3. Crude touch: crude localizing ability on the surface of the body.
- 4. Tickle and itch sensations.
- 5. Sexual sensations.



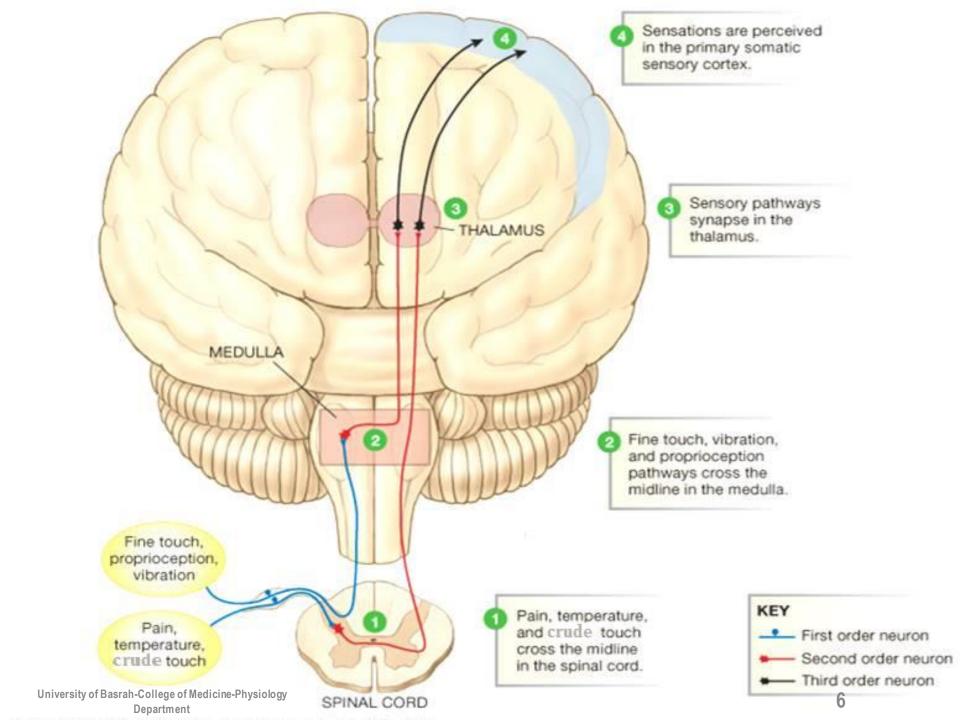
Cross Section of Spinal Cord



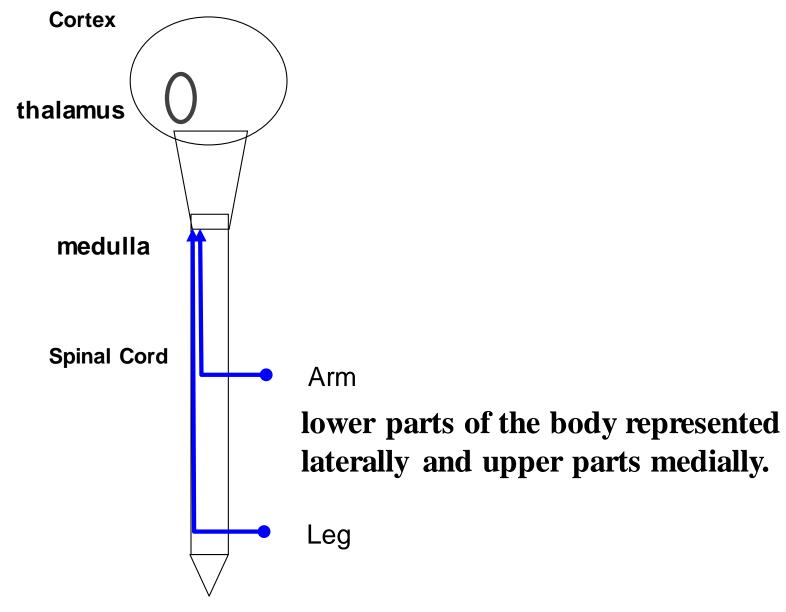
#### Spinothalamic Tract



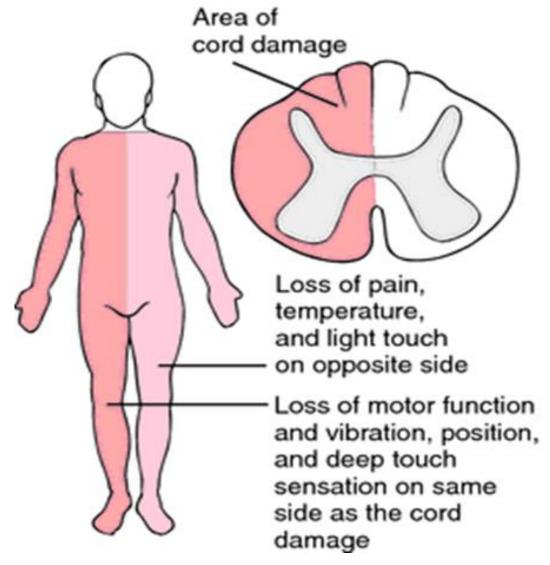
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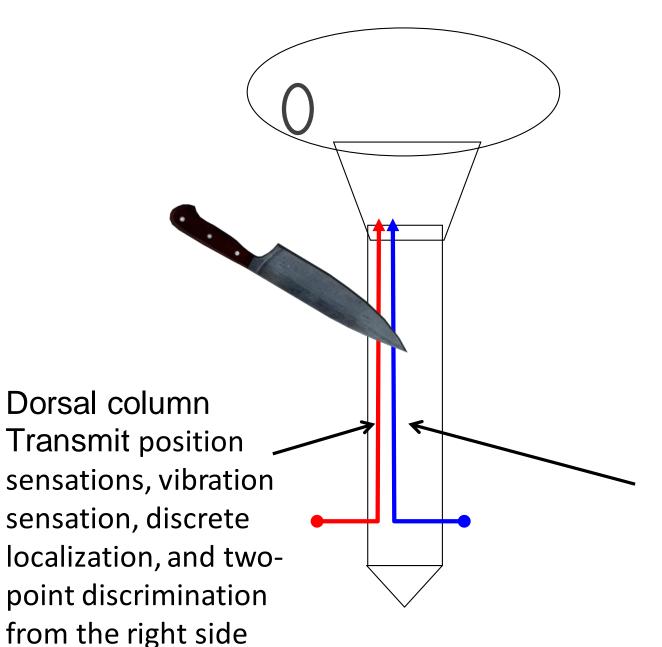


#### Spinothalamic Tract



## Brown-Séquard Syndrome





Spinothalamic Tract Transmit pain and thermal sensations from the left side

# Recap

- 1. spinothlamic tract transmit (pain, temperature and crude touch
- 2. pathway from receptors up to the cortex
- 3. first, second and third order neuron.

