

NEUR0010 Somatosensation Quiz
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Indicate all FALSE statements regarding somatic sensation:

- A) The hands are innervated only by the cervical nerves.
- B) A lesion on the right side of the spinal cord at level T1 would affect the ability to feel touch in the right hand.
- C) The genitalia are not innervated by the sacral nerves because they are on the front side of the body.
- D) A complete lesion of the spinal cord at level S2 would affect pain sensation in the genitalia.
- E) The nerve that innervates the face is not considered a dermatome.
- F) To lose all sensation in one dermatome, one dorsal root innervating that dermatome must be cut.
- G) A lesion on the left side of the spinal cord at level T5 would affect the ability to feel extreme heat in the right lower leg.
- H) An area of skin that only has Pacinian corpuscles would perform better at a two-point discrimination task than an area of skin that only has Merkel's disks.
- I) There are six pairs of cranial nerves, making a total of 12.
- J) Pacinian corpuscles have a higher maximum sensitivity to the amount of skin indentation than do Meissner's corpuscles.