

本試題是否可以使用計算機: 可使用, 不可使用 (請命題老師勾選)

Please answer FOUR of the following questions.

1. What are the possible mechanisms underlying improvement in motor function in subacute (2~6 months) and chronic stage (> 6 months) of stroke?

2. The following is a short summary of a stroke patient for whom you just finished the initial evaluation. What procedures are you likely to use to help a stroke patient to regain the ability to roll from supine to the unaffected side?

----- Patient Condition -----

Diagnosis: left middle cerebral artery infarction

Onset duration: 3 weeks

Medically stable.

Vision and hearing: intact

Mentality: mini mental status examination score=29

Modified Ashworth scale of all right side joints: 1

Motor status: Brunnstrom stage of right limbs: 2

Sensory function of right limbs: all impaired

Functional capacity:

Rolling to right side: verbal encouragement

Rolling to left side: maximal assistance

Upright activities: dependent

----- end -----

3. What are the similarities and differences in treatment approaches for patients with stroke versus traumatic brain lesions?

4. How can human locomotion be controlled, based upon motor control theories and neurophysiology?

5. What are the effects and limitations of vestibular rehabilitation?