

系所組別： 物理治療學系

考試科目： 物理治療概論

考試日期：0220 · 節次：3

※ 考生請注意：本試題 可 不可 使用計算機

1. Please compare the goals, approaches and limitations of physical therapy for patients with head injury versus spinal cord injury. (20)

2. Please answer two of the following four questions. (30, each 15)
 - (1) Provide advice on physical activity for a healthy elderly woman for the promotion of her health and functional mobility.
 - (2) Design a randomized control trial to determine the efficacy of lower limb weight lifting on the gait of stroke patients.
 - (3) Describe three patient populations, excluding head injury, spinal cord injury and stroke, often seen in neurological physical therapy clinic, in terms of disease and major problems concerning physical therapy.
 - (4) Describe how the knowledge about neurological physical therapy can be applied outside the profession of physical therapy.

3. Please (1) describe the red flags that indicate probable serious spinal pathologies such as fracture, tumor, infection, or cauda equine syndrome, and (2) suggest the management you can provide before referring to related doctors.(15%)

4. Ms Wang walked into your PT clinic with slight lateral scoliosis and limping gait. Her chief complaints were pain and weakness in her right leg especially in the calf during walking. Please describe the questions for further history taking and the tests you plan to perform step by step. (20%)

5. Please (1) list the muscles prone to tightness and the muscles prone to weakness according to Jull and Janda's muscle imbalance theory, (2) describe the related posture and tests to be done for further confirmation, and (3) the related treatment plans.(15%)