

題號： 161

國立臺灣大學 105 學年度碩士班招生考試試題

科目：肌動及生物力學

節次： 4

題號： 161

共 / 頁之第 / 頁

1. A two-joint muscle indicates a muscle that performs multiple joint functions. Please use two muscles, one at the upper extremity and the other at the lower extremity, as two-joint muscle examples to describe the characteristics of active and passive insufficiencies of two-joint muscles. (30%)
2. Please identify biomechanical factors which related to the cause of lateral ankle sprain. (20%)
3. Please define **internal torque** and **external torque** around a joint, and explain why internal torque and external torque change with a change in joint angle. (25%)
4. Please describe the arthrokinematics of the glenohumeral joint during (25%)
  - (1) Shoulder flexion and extension
  - (2) Shoulder internal rotation and external rotation
  - (3) Shoulder abduction

試題隨卷繳回