CHAPTER 8
ARTICULATIONS AND MOVEMENT

CHAPTER OVERVIEW: This chapter describes and defines articulations, and analyzes movement at joints based on both the bony and soft tissue structures present at a joint. The anatomical features of different types of joints are described in detail. The types of body movements are discussed in general and in relation to the joints at which they normally occur.

OUTLINE (one or two fifty-min. lectures):
Seeley, A&P, 5/e

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   a. Plantar Flexion & Dorsiflexion
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   Clinical Note, p.232
   Fig. 8.7f, p.233

9  2. Abduction and Adduction
   Fig. 8.7g, p.234

B. Circular Movements

11 1. Rotation
    Fig. 8.7i, p.234

2. Pronation and Supination
   Fig. 8.7j, p.234

3. Circumduction
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C. Special Movements

1. Elevation and Depression
   Fig. 8.7l, p.235

2. Protraction and Retraction
   Fig. 8.7m, p.235

3. Excursion
   Fig. 8.7n, p.235

4. Opposition and Reposition
   Fig. 8.7o, p.235

10 5. Inversion and Eversion
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D. Combination Movements

   Predict Quest. 4

IV. Description of Selected Joints

Clinical Focus,
12  A. Temporomandibular Joint (Mandible & Temporal Bone)  
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   1. Structure  
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12  B. Shoulder Joint (Humerus & Scapula)  
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12  C. Hip Joint (Femur & Acetabulum of Os Coxa)  
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12, 13  D. Knee Joint (Femur & Tibia)  
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   2. Analysis of Movement
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12, 14  E. AnkleJoint (Tibia, Fibula & Talus)  
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   2. Analysis of Movement
      a. Bone Surfaces - Modified Ball & Socket
      b. Range of Movement
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2. Functional Significance of the Arches

**IMPORTANT CONSIDERATIONS:** The names of specific structures and parts of joints are best studied when the students can manipulate models and get a spatial sense for how the joints are constructed. This material can be combined with the material on the skeleton, so that the bones and their articulations are mentioned together. This material has two different logical splits. One split correlating joint structure and body movements and another between the general principles and the specific examples.

**SEE INSTRUCTOR’S MANUAL AND COURSE SOLUTIONS MANUAL FOR ADDITIONAL REFERENCES.**