Department of Anatomy

Bangladesh Medical University

P A, Y 01, B I

Special figure lists

1. Plasma membrane showing the modified fluid–mosaic model/ultra structure of cell membrane.
2. Three major forms of endocytosis.
3. Receptor-mediated endocytosis involves regulated membrane trafficking.
4. Participation of free and attached polyribosomes for synthesizing cytosolic and cytoskeletal proteins.
5. Different types of protein secreting cells.
6. Mitochondrial ultrastructure and process of ATP formation.
7. Roles of major actin-binding proteins in regulating the organization of microfilaments.
8. Ultra structure of the nuclear envelope, nuclear lamina, and nuclear pore complexes.
9. Packaging of chromatin into the chromosomal structure (from DNA to chromatin).
10. Steps in formation, targeting, docking, and fusion of transport vesicles with the target membrane.
11. Events during protein synthesis.
11. Schematic structure of centrioles.
12. Non-disjunction and anaphase lag.
13. Cell cycle with checkpoints.
14. Phases of mitosis/meiosis.
15. Comparison of mitosis and meiosis in an idealized cell with two pairs of chromosomes (2n).
16. Schematic diagram of changes occurring in necrosis and apoptosis.
17. Ultra-structure of cartilage matrix and cells.
18. Schematic overview of the basic features of bone, including the three key cell types and the typical lamellar organization
19. Ultra-structure of osteoclasts and their activity.
20. Osteogenesis of long bones by endochondral ossification.
21. Appositional methods of bone growth.
22. Schematic drawing of cells associated with bone.
23. Structure of synovial joint.
24. General organization of skeletal muscle.
25. Electron micrograph of skeletal muscle and corresponding molecular structure of a sarcomere.
26. Diagram of the organization of striated muscle fiber/ organization of cardiac muscle fiber.
27. Schematic diagram illustrating steps leading to initiation of skeletal/smooth muscle contraction.
28. Schematic diagram of cardiac muscle cells indicates their characteristic features.

29. Schematic diagram of microvascular bed structure and perfusion.
30. Different types of capillaries.
31. Structure of a lymph node.
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33. Pilosebaceous unit.
34. Schematic diagram of keratinocytes in the epidermis.
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37. Relevant parts of the taxonomy of animal kingdom showing location of man.
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