

## Why We edited This Practical Manual?

There were a necessity for editing a manual in the field of a practical general histology was come from many reasons :-

**First** , at that time, the dentistry college was recently opened( 2004) , and their courses requirements of books very little and very expensive to buy it , especially that include basic sciences such as the colour atlas of histology , therefore ,editing such resource would gave adequate important benefits to lead the students to right ways for studying histology subject correctly .

**Second** , editing such resource by the same teacher who studied the subject , would made a great bands with the students whom studied them through guiding them to learn more facts than really found in the manual and urge them to search for more important additional informations by using electronical teachment in the biggest informational network ( Internet ) .

**Third** , It was a great way to position the editors to charge higher knowledge, create additional income of scientific interest and be more beneficial people and when this manual is fly in the sky of this biggest network , then be ready for read , many people will get it from all over the world. With our extended reach, opportunities for interacting with people outside of our local area will come.

### Descriptions of the manual :-

This manual includes many basic topics ( which includes many related images with specific comments) ,they are :-

Topic 1	I - The Tissues I –I - Epithelial tissues. Classification of Epithelium Glands
Topic 2	I –II - Connective tissues. The connective tissues proper. The skeletal tissues. The vascular tissues.
Topic 3	I –III - Muscular tissues. 1-Striated or Skeletal Muscles. 2- Unstriated or Smooth Muscles.

		3- Cardiac Muscles.
Topic	4	I -IV- Nervous tissues. Neurons. Synapses Myelinated and Unmyelinated Nerves. Autonomic nervous system Spinal cord The brain (Cerebrum & Cerebellum ) Nerve ending
Topic	5	II – The Systems : II –I- Circulatory System Blood vessels : General features Arteries Veins Capillaries
Topic	6	II – II -Lymphoid System Tonsils Lymph Nodes Thymus Spleen Lymphatic vessels
Topic	7	II-III - Integumentary System Structure of thick and thin skin - Epidermis - Dermis Skin appendages . Sweat glands 1-Eccrine sweat glands. 2-Appocrine sweat glands. Sebaceous Glands Nails
Topic	8	II – IV - Digestive System A – Digestive tract Oral cavity - The tongue : - The pharynx :

		<ul style="list-style-type: none"> <li>- Esophagous :</li> <li>-Stomach :</li> <li>-Small intestine <ul style="list-style-type: none"> <li>1- Duodenum:</li> <li>2- Ileum</li> </ul> </li> <li>-Large intestine <ul style="list-style-type: none"> <li>Colon</li> <li>Appendix (vermiform)</li> <li>Anal canal</li> </ul> </li> <li>B- Digestive glands <ul style="list-style-type: none"> <li>1- Major salivary glands</li> <li>2- Liver</li> <li>3- Pancreas</li> <li>4-Gallbladder</li> </ul> </li> </ul>
Topic	9	II-V- Respiratory system <ul style="list-style-type: none"> <li>- Trachae, bronchi, bronchioles.</li> <li>- Lung.</li> </ul>
Topic	10	II- VI- Urinary System <ul style="list-style-type: none"> <li>- Kidney : cortex , medulla.</li> <li>- External passages: ureter,urinary bladder</li> </ul>
Topic	11	Endocrine Organs <ul style="list-style-type: none"> <li>1-The hypothalamus</li> <li>2-Hypophysis ( pituitary gland )</li> <li>3-Thyroid Gland</li> <li>4- Parathyroid Glands</li> <li>5- Adernal gland</li> <li>6-Pineal Body</li> </ul>
Topic	12	II-VII -Reproductive system <ul style="list-style-type: none"> <li>A-Female reproductive system <ul style="list-style-type: none"> <li>1- Ovary</li> <li>2- Genital duct</li> <li>Placenta</li> <li>3- Mammary Glands</li> </ul> </li> <li>B- Male Reproductive System <ul style="list-style-type: none"> <li>1-Testes</li> <li>2-genital ducts</li> <li>3- Accessory Glands</li> </ul> </li> </ul>
Topic	13	References

