XVII. A NEW DIFFERENTIAL STAINING METHOD FOR CONNECTIVE TISSUE COMBINED WITH THE ORDINARY HEMATOXYLIN-EOSIN STAIN

(Demonstration)

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Material fixed in Zenker's or Helley's fluid is used. Paraffin or celloidin section are stained rather deeply in any good hematoxylin then differentiated in 2 1-2% acetic acid for one minute or longer depending upon the intensity of the hematoxylin stain. After this the sections are passed through the usual 1-2 of 1% watery eosin in 25% alcohol, then 1-2 of 1% Orange-G in 95% alcohol,

95% alcohol to remove excess of stain, dehydrate and clear. Nuclei appear a beautiful deep blue, the collagen fibrils only take the Orange-G while all other elements appear in various nuances of eosin. The simplicity of this stain, the clean cut contrast between the various tissue elements together with the permanency of the colors commend this stain for routine work for the demonstration of connective tissue.