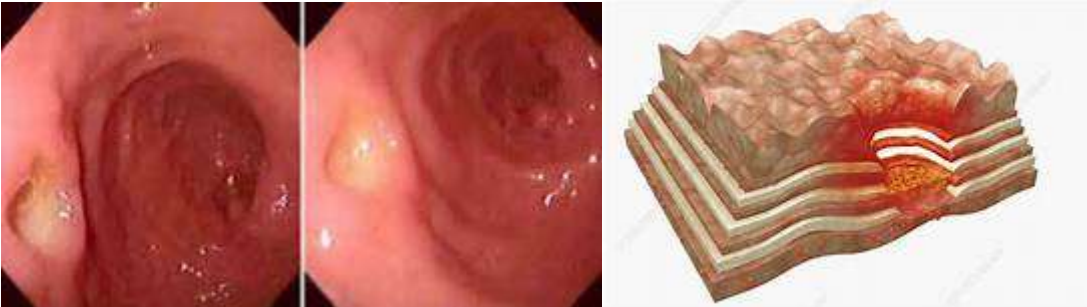



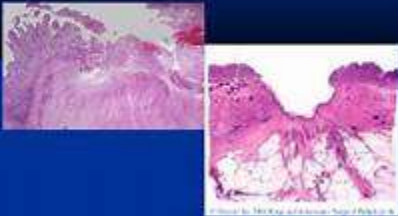



## XVII. Diseases of the Digestive System

| <b>Pyloric Stenosis</b>   |   |  |  |  |
|---|---|--|--|--|
| <b>Stomach:</b>   | <ul style="list-style-type: none"> <li>• Is dilated (and distended)</li> <li>• Thin-walled</li> </ul>                         |  |  |  |
| <b>Pyloric region:</b>  | <ul style="list-style-type: none"> <li>• Is thickened</li> <li>• Fibrosed</li> <li>• Narrowed at the pyloric canal</li> </ul> |  |  |  |
| <b>Sphincter:</b>   | <ul style="list-style-type: none"> <li>• Thickened</li> <li>• Very firm in consistence</li> </ul>                             |  |  |  |
| <b>N.B.1:</b>   |   |  |  |  |
| <ul style="list-style-type: none"> <li>• Pyloric stenosis may be congenital or acquired.</li> </ul>   |   |  |  |  |
| <b>1. Congenital:</b>   |   |  |  |  |
| <ul style="list-style-type: none"> <li>• In early weeks of life.</li> <li>• More in males chiefly the breast-fed first-born child.</li> </ul>   |   |  |  |  |
| <b>Causes:</b>  |   |  |  |  |
| <ol style="list-style-type: none"> <li>1. Congenital abnormality (hypertrophy of the circular muscle of the pyloric canal; no disturbance of mucosa).</li> <li>2. Neuromuscular incoordination → narrowing of lumen.</li> </ol> |   |  |  |  |
| <b>Effects:</b>   |   |  |  |  |
| <ul style="list-style-type: none"> <li>• Firmness and thickening of pyloric sphincter.</li> <li>• Distension of the stomach.</li> </ul>   |   |  |  |  |
| <b>2. Acquired:</b>   |   |  |  |  |
| <b>In adults.</b>   |   |  |  |  |
| <b>Causes:</b>  |   |  |  |  |
| <ul style="list-style-type: none"> <li>• Scarring of healed chronic peptic ulcer.</li> <li>• Carcinoma.</li> </ul>  |   |  |  |  |
| <b>Effects:</b>   |   |  |  |  |
| <ul style="list-style-type: none"> <li>• Persistent vomiting.</li> <li>• Alkalosis due to loss of chlorides and acid.</li> <li>• Gastric tetany,</li> <li>• Renal failure.</li> </ul>   |   |  |  |  |
| <b>N.B. 2</b>   |   |  |  |  |
| <ul style="list-style-type: none"> <li>• A congenital anomaly, although present for a long time before being detected at adult life, is diaphragmatic hernia of part or the whole stomach.</li> </ul>                           |   |  |  |  |
|   |   |  |  |  |

| <b>Peptic Ulcer (chronic duodenal) III - 4,1.1852</b>   |  |  |
|---|--|--|
| <b>Duodenum</b>   | <ul style="list-style-type: none"> <li>Shows an ulcer</li> </ul>   |  |
| <b>The ulcer</b>  | <ul style="list-style-type: none"> <li>At the first part of the duodenum</li> <li>Has encroached upon the pyloric area</li> <li>Single (solitary)</li> <li>Moderately-large (3 cm).</li> </ul> |  |
| <b>Edges:</b>   | <ul style="list-style-type: none"> <li>Rounded in shape</li> <li>Raised</li> <li>Overhanging</li> <li>Smooth</li> <li>Firm in consistence</li> </ul>   |  |
| <b>Floor:</b>   | <ul style="list-style-type: none"> <li>Deep</li> <li>Pale greyish-white</li> <li>Markedly fibrous</li> </ul>   |  |
| <p><b>N.B.:</b></p> <ul style="list-style-type: none"> <li>Chronic peptic duodenal ulcer is commoner than that in the stomach specially so in adult males.</li> <li>The common site is <b>the first part of the duodenum</b> (anterior wall or less commonly posterior wall) (occasionally in the second part).</li> </ul> <p><b>Complications :</b></p> <ol style="list-style-type: none"> <li>Haemorrhage.</li> <li>Perforation → septic peritonitis.</li> <li>Stenosis.</li> </ol> |  |  |
|    |    |   |
| <p><b>Figure 128</b><br/> <b>Nature</b> Gastric Ulcerative Carcinoma (perforating)<br/> <b>Specimen No.</b> III-3.5521<br/> <b>Reference P.</b> 231</p>   | <p><b>Figure 129</b><br/> <b>Nature</b> Stenosis (pylorus)<br/> <b>Specimen No.</b> III-3.811<br/> <b>Reference P.</b> 232</p>   | <p><b>Figure 130</b><br/> <b>Nature</b> Chronic Peptic Ulcer (duodenum)<br/> <b>Specimen No.</b> III-4,1.1852<br/> <b>Reference P.</b> 232</p> |
| <div style="display: flex; justify-content: space-around; align-items: center;"> <div style="text-align: center;"> <p><b>ULCER</b></p>  </div> <div style="text-align: center;"> <p><b>Duodenal Peptic Ulcer-Gross</b></p>  </div> </div>  |  |  |