

Abstracts

Medical Fundamental Sciences Section

Anatomical and Clinical Variations of the Pancreato-Choledochal Junction of the Papilla Vater

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Due to the widely used endoscopic procedures, the anatomical and clinical relationship of the pancreato-choledochal junction is of particularly interest. One hundred and thirty four bilio-duodeno-pancreatic specimens, with age range 18-85 years, without upper gastrointestinal pathology were examined. Methods – anatomical micro- and macropreparation, morphometry, common bile duct/duodenal angle measurement, histotopography and frequency appreciation of the pancreatic channel of the common bile duct were performed. Papilla Vater's localization: D1-10 (7.5%); D2 - 112 (83.6%); D3 - 12 (9%). The distance pylorus-Vater's papilla was: maximal-13cm; minimal-6cm; mean distance-9,4cm. Small duodenal papilla localization; D1 - 3 (18.8 %); D2 - 13 (81.2 %) total-11.9% (n=16). Relationship between small duodenal and Vater's papillas were: superior-posterior (n=1); superior (n=1); superior-anterior (n=12); anterior (n=2). The distance pylorus-small duodenal papilla: minimal- 4cm; maximal-9cm; mean distance-6cm. The distance between the papillary orifices: minimal-1,6cm; maximal-5cm; mean distance-2,38cm. Relationship between the common bile duct and the pancreas were: partially covered by a "tongue" of pancreatic tissue-44%; totally covered-30%; uncovered-5%; covered by two pancreatic tissue "tongues" - 9%. Vater's papilla localization on the duodenal wall: in the middle of the medial wall-99 (73.8%); on the junction of the medial and posterior wall-35(26.2%). The common bile/duodenal angle was examined in all cases and the following limits 20 ° -90 ° were appreciated; the vertical limits 20 ° -45 ° (75%), while the horizontal limits 45 ° -90 ° (25%). The distance papillary opening common bile duct penetration through the duodenal wall was: maximal-2.2 cm; minimal-1 cm; mean distance-1.5 cm. The multiple study possibilities provided by modern examination procedures allow establishing new conceptions regarding the anatomical variations of the pancreato-choledochal junction.

Anatomical and Surgical Relations of the Splenic Vessels and Pancreas

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Anatomical and surgical relationship of the splenic vessels and the pancreas is important under the circumstances of modern organ and blood-flow preserving surgical principles.