

# Manometric characteristics of the extrahepatic biliary tract in dogs

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Pressure measurements of the whole extrahepatic biliary tract were performed in dogs using constant perfusion techniques. Studies were done during general anesthesia and in conscious trained dogs. Gallbladder intraluminal fasting pressure was significantly lower than common bile duct pressure. No motor activity was demonstrated in the common bile duct. At the cysticocholedochal junction a static high-pressure zone was observed, probably due to mechanical factors. At the level of the choledochoduodenal junction, a high-pressure zone with a sphincter behavior was demonstrated, with a resting pressure of 38 cm H<sub>2</sub>O above intraduodenal pressure and with rhythmic contractions with a mean amplitude of 88 cm H<sub>2</sub>O above duodenal pressure. Duodenal motility was completely different from sphincter dynamics. No differences in pressure values were seen during general anesthesia or in conscious state. © 1981 Digestive Disease Systems, Inc.