

Incidence of Post Endoscopic Retrograde Cholangiopancreatography Biliary Ascariasis Diagnosed on Ultrasound

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Abstract : *Ascaris lumbricoides* are familiar with the roundworm that causes biliary infections in humans. Nevertheless, ascariasis is primarily found in the jejunum and transferred in numerous body parts with the intake of *Ascaris lumbricoides* present in food and water. These study methods were implemented at the Saidu Teaching Hospital Radiology Department from December 2021 to January 2023. This study includes the participants suffering from biliary ascariasis admitted or visited Saidu Teaching Hospital in that time frame. Clinical assessment of the participants was done based on the appearance of signs and symptoms present in them. The participant's laboratory test was done to determine the level of basic body parameters. After that ultrasonography was used to diagnose the presence and appearance of worms. Endoscopic retrograde cholangiopancreatography (ERCP) was used to extract worms from biliary channels, and the incidence of post-ERCP biliary ascariasis was accessed with ultrasonography. This study's results show the presence of numerous types of worms in the biliary channels of patients. Also, the level of body parameters, for instance, neutrophil, hemoglobin, and others, were compared at the time of admission and at the time of discharge from the hospital. Furthermore, the incidence of post-ERCP biliary ascariasis was reported as 4% in females, and 1% in males, respectively.

Keywords : *Ascaris*, biliary, ERCP, ultrasound

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