Since this was a retrospective study using clinical routine treatment or diagnostic medical records, the Chang Gung Medical Foundation Institutional Review Board approved the waiver of the participant's consent. All methods were carried out under relevant guidelines and regulations.

TAIPEI, TAIWAN, 10507 REPUBLIC OF CHINA Tel: (03) 3196200 Fax: (03) 3494549

Date 2022/06/21 Protocol Title: Timing of ERCP in the treatment of acute cholangitis of different severity IRB No.: 202200881B0 Principal Investigator(s): TSOU, YUNG-KUAN Executing Institution: Linkou Duration of Approval: From 2022/6/21 To 2022/10/20 Version/Date of documents: (1)Protocol: 2022/6/11 version 1 (2)Chinese Synopsis: 2022/6/11 Version 1 (3)Informed Consent Form: The IRB approves the waiver of the participants' consent. (4)Case Report Form: 2022/6/11 version 1 The IRB reviewed and determined that it is expedited review according to Case research or cases treated or diagnosed by clinical routines. However, this does not include HIV positive cases. Date of Approval: 2022/06/21 Frequency of Continuing Report: Once a year