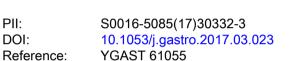
## Accepted Manuscript

Increased Expression of CTLA4 by T Cells, Induced by B7 in Sera, Reduces Adaptive Immunity in Patients With Acute Liver Failure

Wafa Khamri, Robin D. Abeles, Tie Zheng Hou, Amy E. Anderson, Ahmed El-Masry, Evangelos Triantafyllou, Christine Bernsmeier, Fin S. Larsen, Arjuna Singanayagam, Nobuaki Kudo, Lucia A. Possamai, Fanny Lebosse, Georg Auzinger, William Bernal, Christopher Willars, Christopher J. Weston, Giovanna Lombardi, Julia Wendon, Mark Thursz, Charalambos G. Antoniades



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### Increased Expression of CTLA4 by T Cells, Induced by B7 in Sera, Reduces Adaptive Immunity in Patients With Acute Liver Failure

#### Short Title: CTLA4 is a negative regulator in ALF

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*Abbreviations*: (APAP), acetaminophen; (ALF), acute liver failure; (AALF), acetaminophen induced acute liver failure; (CLD), chronic liver disease; (CTLA4), Cytotoxic T lymphocyte-associated molecule-4; (INR), international normalized ratio; (MELD), model of end-stage liver disease.

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