

INTRODUCTION

approved therapies ares occur infrequently in patients with chronic HDV co-infection. This has led to nature of these flares: are they signs of hepatotoxicity or signs of immune mediated clearance of infected hepatocytes

The nucleic acid polymer REP 2139 blocks the assembly of subviral particles, which leads to declines in intracellular inhibition of release of HBsAg from hepatocytes or integrated HBV DNA^{1,2}. When with pealFN. REP 2139 has a unique ability to both HBsAg and HDV RNA. This combination negative mono-infection used in HBeAa (REP 401 study) and HBeAg negative chronic HBV/HDV co-301 study), where therapy is also by transaminase flares in almost all patients (50/52 patients combined from both studies)

This unique dataset provides an opportunity to examine the safety and tolerability of transaminase flares over a wide range of intensity, duration and different flare patterns.

METHODS

Available on-treatment safety and efficacy data from the 52 patients enrolled in REP 301 and REP 401 studies were pooled. REP 301 patient 01-014 was excluded as this patient was the only patient from these two studies to experience pegIFN induced DILI as previously reported².

Various liver function data (ALT, AST, GGT, Alk. Phos, bilirubin and median hepatic stiffness as measured by fasted Fibroscan) were subjected to population analysis based on on-treatment HBsAg response and treatment outcome:

Rebound: recurrence of active HBV or HDV infection after removal of therapy.

HBV functional control: inactive chronic HBV (HBV DNA 2000 IU/mL with normal ALT at least 24 weeks after removal of all therapy).

> HBV functional cure (HBV DNA and HBsAg target not detected with normal ALT at least 24 weeks after removal of all therapy).

inactive chronic HDV (HDV RNA > HDV functional control: 2 log reduction from baseline for at least 24 weeks after removal of all therapy).

> HDV functional cure (HDV RNA target not detected for at least 24 weeks after removal of all therapy).

Area under the curve (AUC) estimations for ALT, AST, GGT and Alk. Phos. during exposure to pegIFN were performed by trapezoidal analysis.

REFERENCES

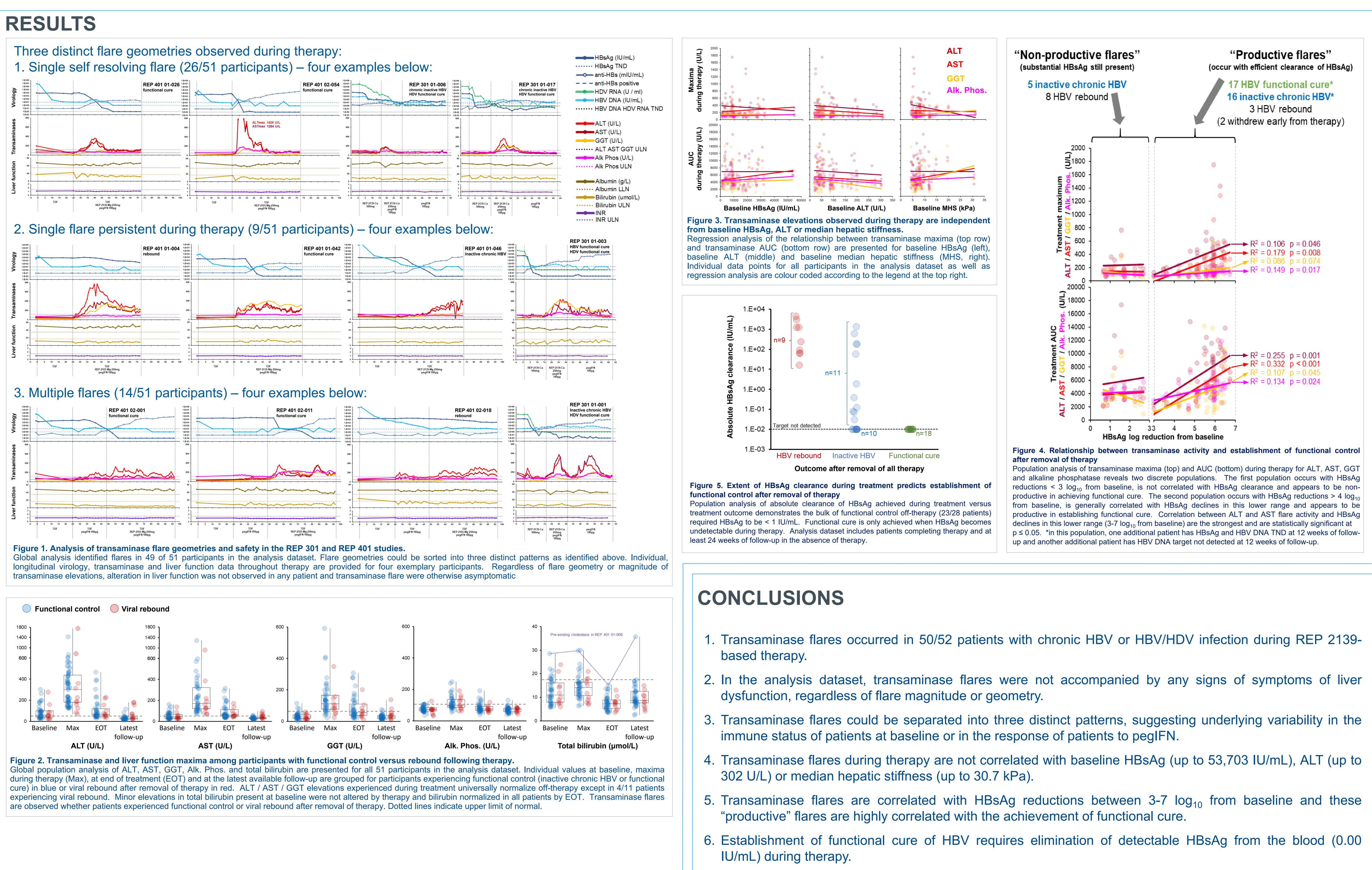
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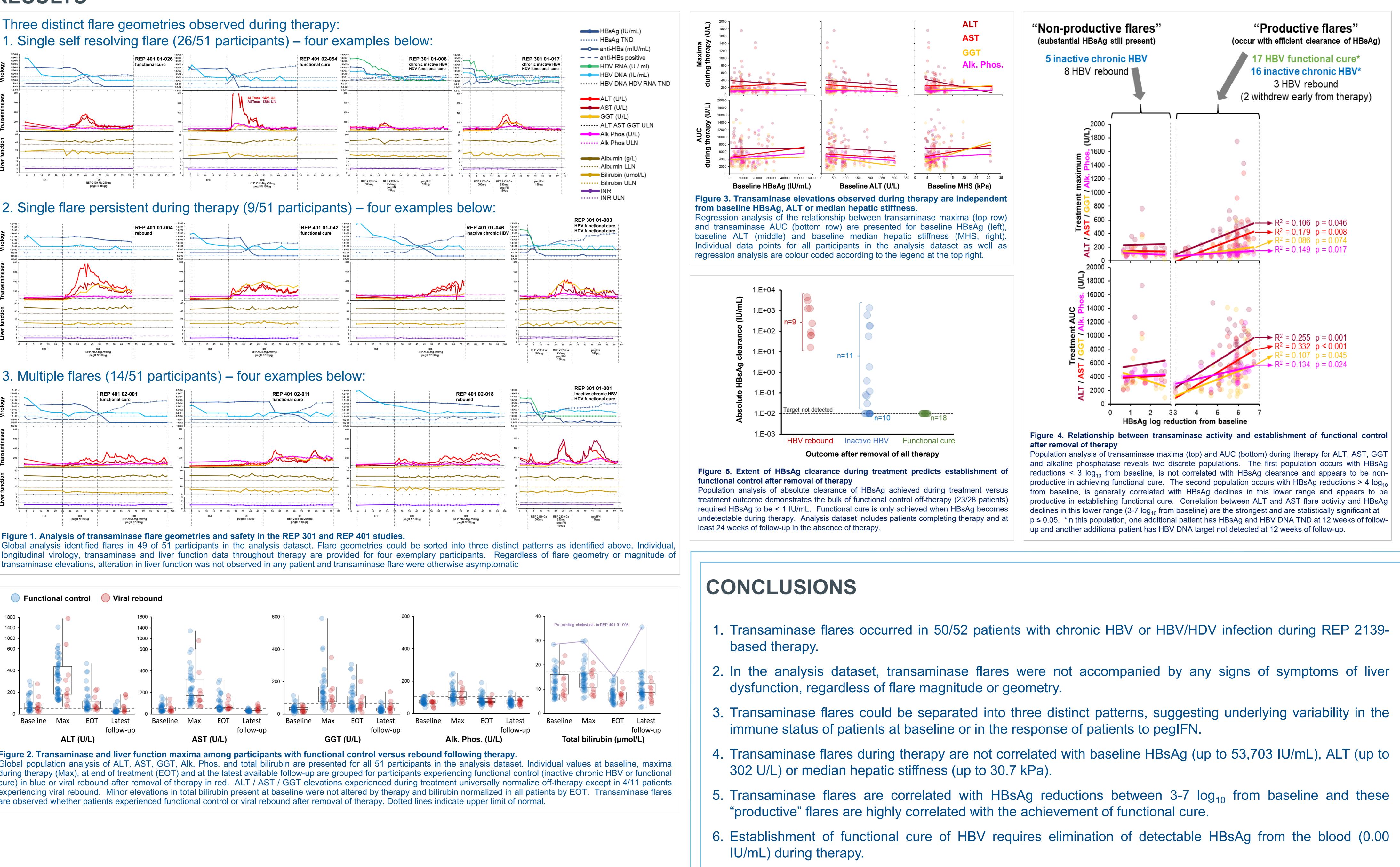
DISCLOSURES

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Evaluation of the Safety and Tolerability of Transaminase Flares During Antiviral Therapy in Patients with HBeAg Negative Chronic HBV Infection or HBV/HDV Co-infection

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