AASLD LIVER MEETING Long-term Follow-up of Patients with Cirrhosis and Recurrent Ascites Treated with an Automatic Low Flow Ascites Pump NOVEMBER 9-13 (alfapump) in North America

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INTRODUCTION

- Ascites is the most common complication of decompensated cirrhosis and occurs in 10% of all cirrhotic patients
- Diuretic non-responsive recurrent ascites can be treated with repeat large volume paracentesis (LVPS), or the insertion of TIPS in the appropriate patients.
- Many patients with recurrent ascites are not suitable for TIPS. Attending for LVPs places a significant burden on the health care system
- The Low Flow Ascites Automated pump (alfapump)(Sequana Medical AG) is a subcutaneous implantable rechargeable device that automatically transfers the ascitic fluid from the peritoneal cavity into the bladder, which is then discharged as urine
- The alfapump effectively carries out a continuous low-rate paracentesis for approximately 16 hrs per day and therefore keeps the ascites under control

AIM

• To assess the North American experience of longterm efficacy, safety and clinical outcome of patients who received an alfapump as a treatment for recurrent ascites.

MATERIALS & METHODS

- Prospective, open label, single arm multi-center study, with all patients receiving an alfapump
- Enrolled cirrhotic patients with recurrent large ascites, not suitable for TIPS, requiring LVP for symptom relief \geq once/month for 3 months
- Diuretic & albumin use were not mandated but nonetheless given at Pl's discretion
- Patients were monitored for ascites control, laboratory abnormalities, adverse events, quality of life (QoL), and survival
- assessing LVP evaluated Ascites control: bv requirement after insertion of alfapump.
- QoL: Evaluated using CLDQ & Ascites-Q questionnaire, instruments used to measure quality of life in patients with ascites.

