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POSTER ABSTRACTS

322.DISORDERS OF COAGULATION OR FIBRINOLYSIS: CLINICAL AND EPIDEMIOLOGICAL

Serpin-PC in Persons with Severe Hemophilia (PwH): Updated Results from a Multicenter Multi-Part, First-in-Human Study

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Introduction

SerpinPC is an investigational serine protease inhibitor (SERPIN) engineered to specifically inhibit Activated Protein C (APC). The previously presented data from the completed parts of AP-0101 showed that administration of SerpinPC reduced bleeding in persons with severe hemophilia with no observations of unexplained chronic elevation in D-dimer. We will now present all results up to the end of Part 5 by which time we anticipate the median continuous exposure will be more than 3 years.

Methods

AP-0101 is an ongoing first-in-human open-label multicenter study utilizing an adaptive design to investigate the safety, tolerability, pharmacokinetics and efficacy of SerpinPC in subjects with severe hemophilia A and B.

Part 1a was a Single Ascending Dose Study of SerpinPC in 15 healthy male volunteers and 12 males with severe hemophilia. Part 2 enrolled 23 males with severe hemophilia (19 hemophilia A and 4 hemophilia B), who were not on replacement factor prophylaxis, to receive SerpinPC at 0.3, 0.6 or 1.2 mg/kg, administered as a subcutaneous (SC) injection once every 4 weeks over a 24-week period (6 total doses).

In Part 3, subjects who completed Part 2 received a flat dose of 60 mg of SerpinPC once every 4 weeks for 48 weeks. Part 4 was a further extension in which subjects who completed Part 3 received 1.2 mg/kg of SerpinPC once every 2 weeks

Part 5 was a further extension in which subjects who completed Part 4 continued to receive 1.2 mg/kg of SerpinPC once every 2 weeks for 52 weeks

Results

Annualized bleed rates, safety and tolerability for Part 5 will be available and a complete summary of all results to the end of Part 5 will be presented, including available pharmacokinetic and anti-drug antibody data.

Disclosures Baglin: Centessa Pharmaceuticals Plc: Current Employment, Current equity holder in publicly-traded company, Current holder of stock options in a privately-held company. Huntington: Centessa Pharmaceuticals Plc: Consultancy, Current equity holder in publicly-traded company, Ended employment in the past 24 months.

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