

MEDICAL UPDATE LETTER FOR DONOR #14431 (WEAVER) - 2025-09-17

Donor 14431 (Weaver) is a carrier for an autosomal recessive disease called alpha-1 antitrypsin deficiency, associated with the SERPINA1 gene. Follow-up is suggested.

To Whom it May Concern,

We are writing to provide a medical update regarding Donor #14431 (Weaver).

Donor #14431 (Weaver) recently completed an updated genetic carrier screen on behalf of a customer. Below you will find a summary of all relevant information.

Genetic Results

Donor #14431 (Weaver) was determined to be a carrier of a variant (c.1158dup (p.Glu387Argfs*14)) in the SERPINA1 gene, associated with alpha-1 antitrypsin deficiency. The donor is not affected with alpha-1 antitrypsin deficiency but rather is a carrier of the condition. Please see the attached result report for details.

Interpretation

- All children/embryos resulting from this donor have a 50% chance to inherit the donor's variant.
- Carriers of the variant do not have alpha-1 antitrypsin deficiency and rarely exhibit symptoms related to their carrier status. However, they may be at variable risk for emphysema and liver disease, depending on the specific variant.
- If the egg source of any child/embryo is also a carrier of a variant in the SERPINA1 gene, there is a 25% chance that a child/embryo will inherit both variants and be affected with alpha-1 antitrypsin deficiency.

Next Steps for Families who have Utilized the Donor

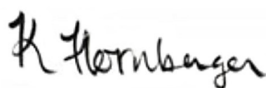
Please share this letter and the attached result report with your doctors. Screening of the egg source for SERPINA1 variants would provide more specific information about the chance to have an affected child/embryo. If the egg source has been screened for SERPINA1 and results are negative, the risk to have an affected child/embryo is substantially reduced.

Do not hesitate to reach out if questions arise or if clarification would be helpful. You are welcome to schedule a phone consultation with one of Seattle Sperm Bank's certified genetic counselors if you would like to discuss this information over the phone.

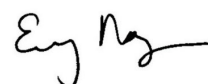
In partnership,



Olivia Hess, MS, CGC
Certified Genetic Counselor
Seattle Sperm Bank



Katherine Hornberger, MS, CGC
Certified Genetic Counselor
Seattle Sperm Bank



Emily Nazar, MS, CGC
Certified Genetic Counselor
Seattle Sperm Bank

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(206) 588-1484
Genetics@SeattleSpermBank.com

(206) 588-1484
Genetics@SeattleSpermBank.com

(206) 588-1484
Genetics@SeattleSpermBank.com

A handwritten signature in black ink, appearing to read 'Brynn'.

Brynn Persky, MS, CGC
Certified Genetic Counselor
Seattle Sperm Bank
(206) 588-1484
Genetics@SeattleSpermBank.com

A handwritten signature in black ink, appearing to read 'James'.

James Kuan, MD
Medical Director
Seattle Sperm Bank
(206) 588-1484
James@seattlespermbank.com