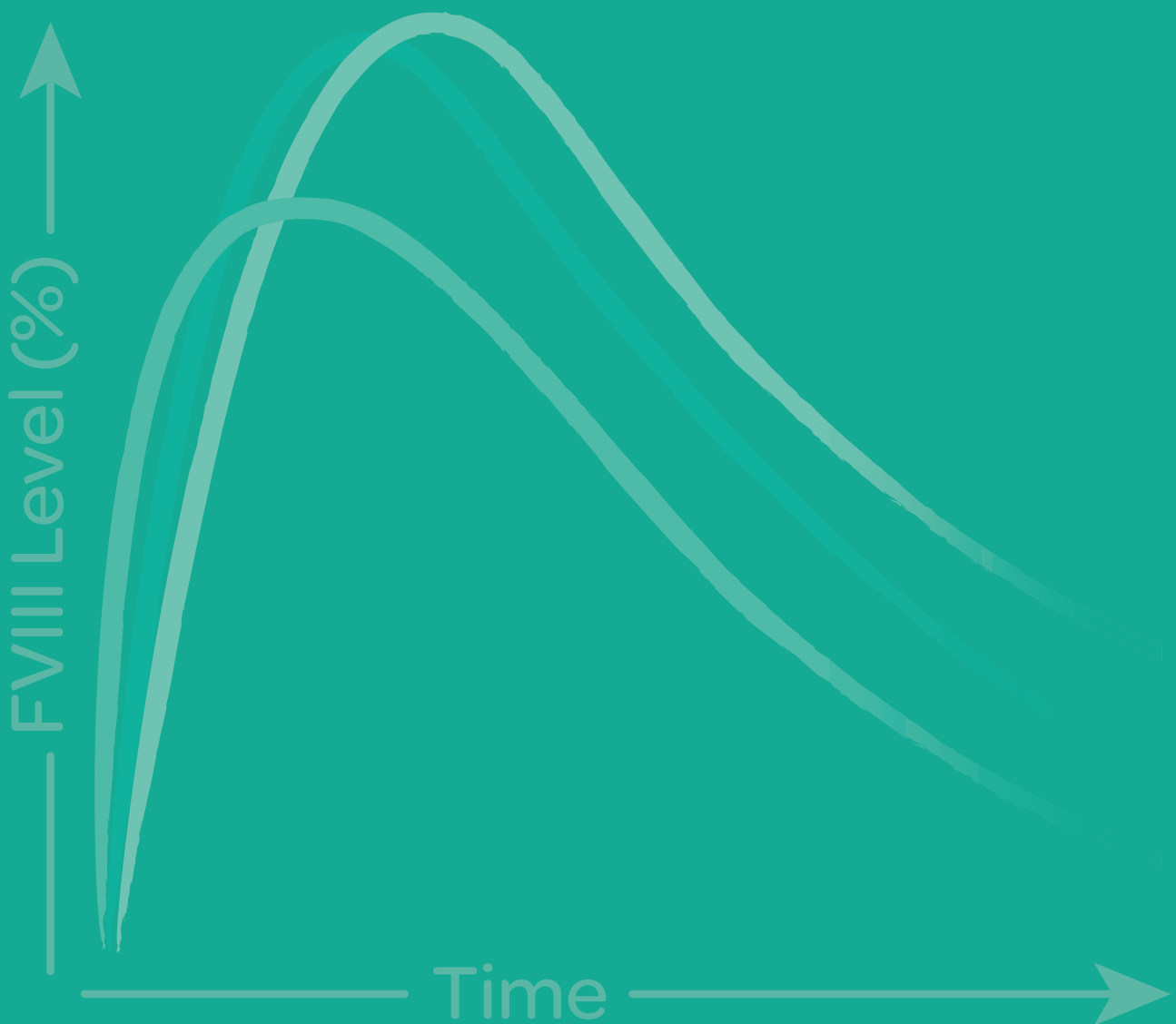


Pharmacokinetics and personalized prophylaxis in patients with hemophilia A



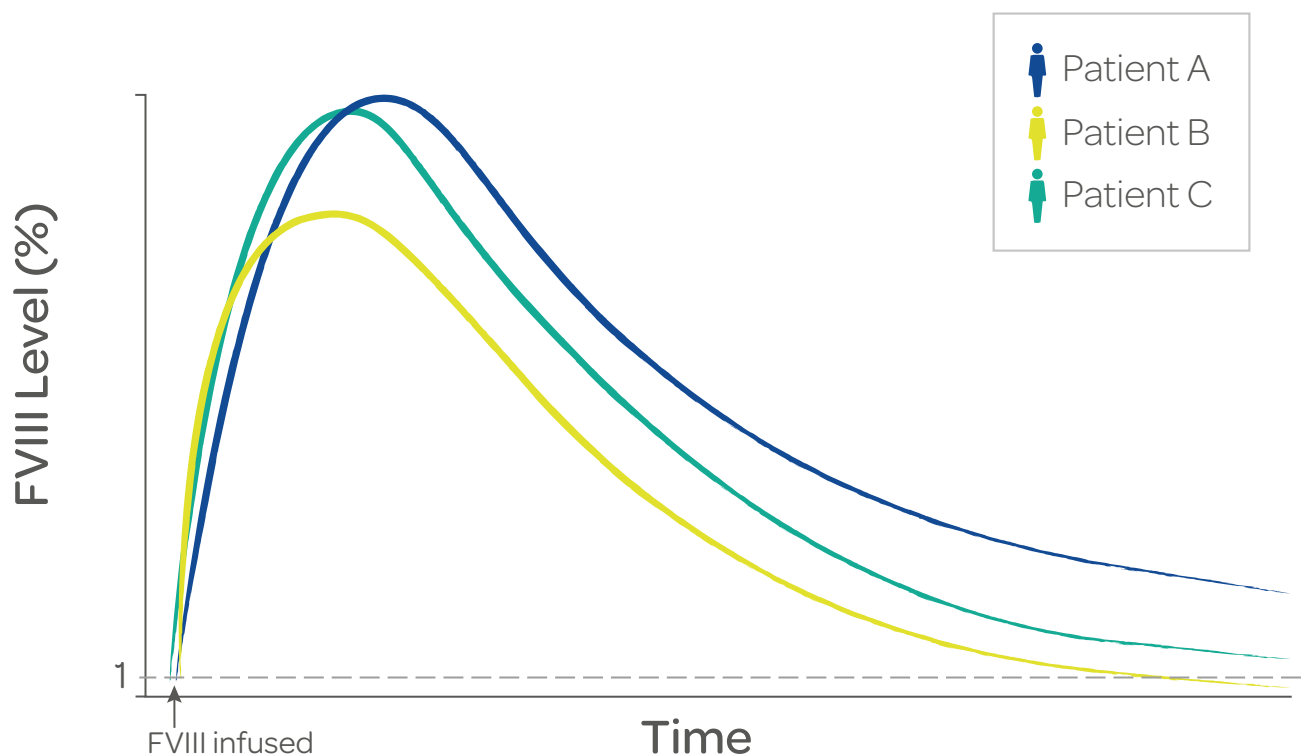
This information is provided by Octapharma and is intended for use by healthcare professionals with patients
All diagrams in this brochure are for illustration purposes only

Introduction to personalized prophylaxis and pharmacokinetics

- Personalizing prophylaxis for hemophilia patients means individualizing and optimizing their treatment regimens. This can be achieved by carefully considering aspects such as each patient's lifestyle, clinical needs, quality of life and how their bodies process the FVIII concentrate they infuse. The processing of medicines (such as FVIII concentrates) by the body is known as pharmacokinetics (PK).
- Every hemophilia patient has a unique PK profile with regard to the FVIII they infuse. It is important to understand the profile so that the FVIII dosing regimen chosen results in clinical outcomes that provide each patient with the infusion frequency, trough level, bleed control and quality of life they want for today and the future.

What happens when factor VIII is infused into a patient with hemophilia A

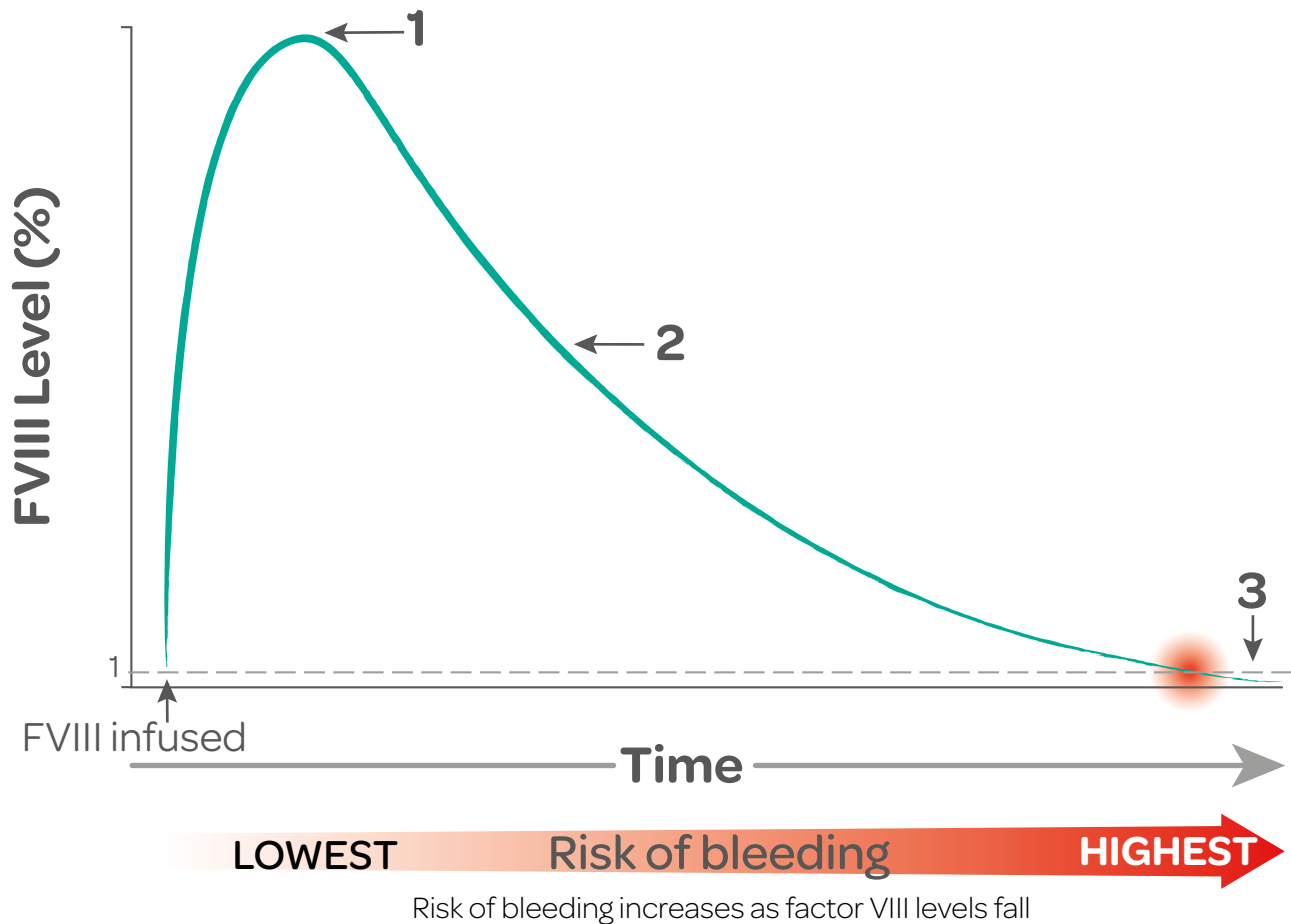
The diagram below shows the PK profile of different patients following an infusion of a FVIII concentrate.



- Knowing the PK profile is important as it can help determine the dose, frequency and timing of FVIII treatment.

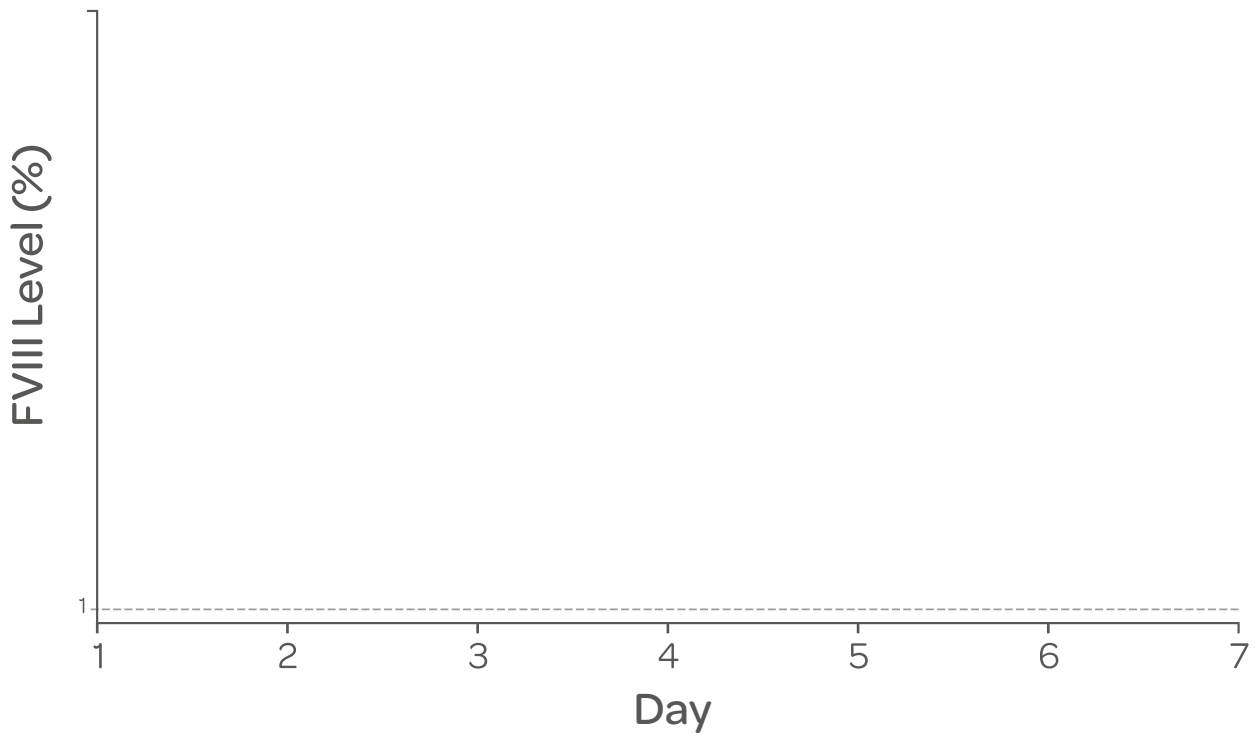
PK terms commonly used in hemophilia A treatment

The information below describes common terms used in PK testing when treating hemophilia A.



- 1. Factor VIII peak:** this is the maximum factor VIII level achieved and measured following an infusion.
 - 2. Factor VIII half-life:** this is the time it takes for half of the infused factor VIII to be cleared from the body.
 - 3. Factor VIII trough:** this is the lowest level the factor VIII reaches. To minimize the risk of bleeding it is important to maintain factor VIII levels above 1% when on prophylaxis although the accepted trough level will vary depending on the clinical needs of each patient.
- Factor VIII peak, half-life and trough are all used to help guide the amount, frequency and timing of treatment with factor VIII. When this information is combined with an understanding of lifestyle, clinical needs and desired quality of life, personalized dosing regimens can be created.
 - The following pages can be used to discuss dosing options with patients.

What do I need from my treatment regimen?

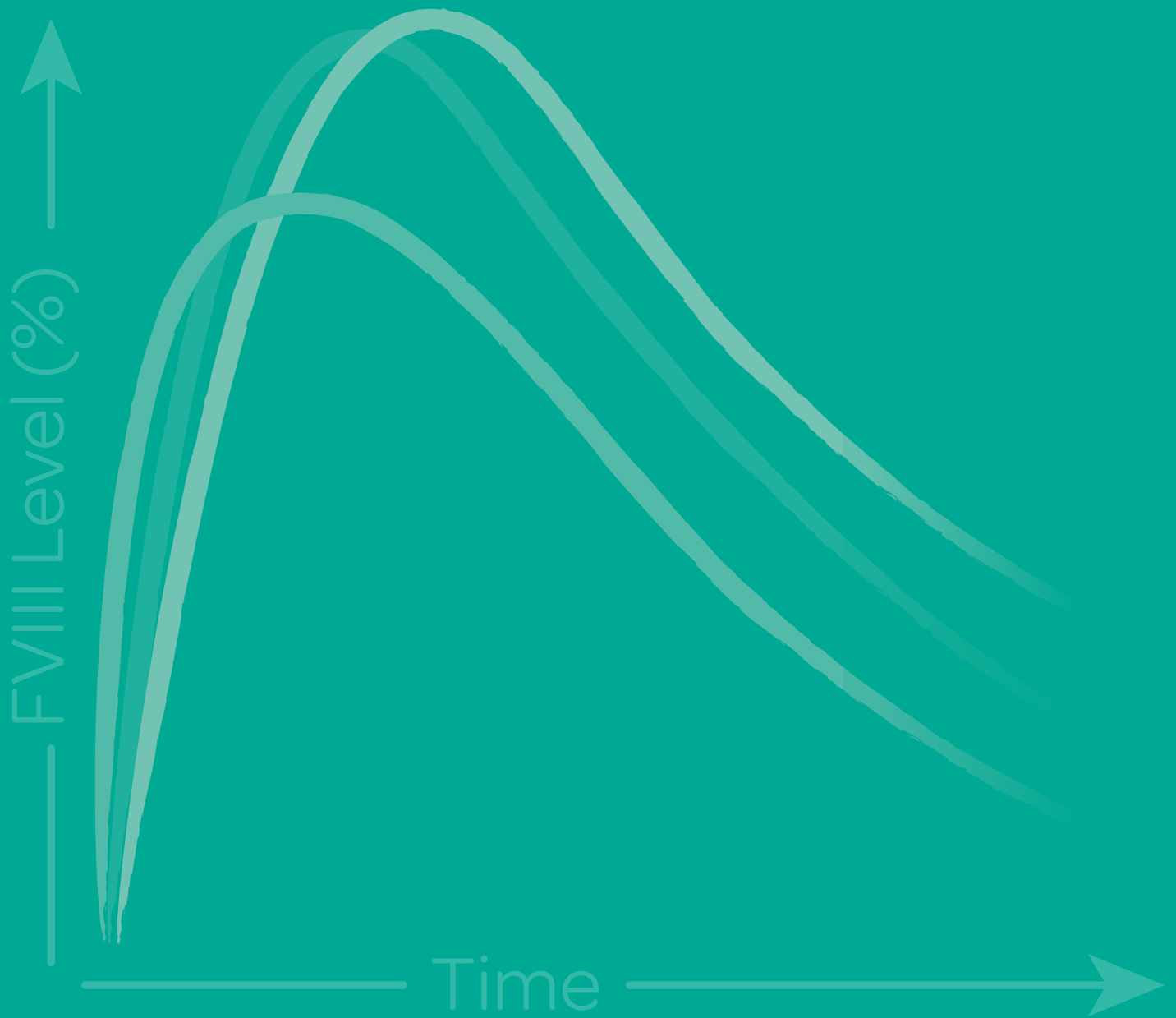


What are my lifestyle, quality of life and clinical needs?

A large rectangular area with a light blue border, containing 15 horizontal dotted lines for writing.

Notes

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Octapharma Canada Inc.
308-214 King Street West
Toronto ON M5H 3S6