

- Esperoct[®], an EHL rFVIII, provides¹
- High trough levels
- Low ABR
- Proven starting dose and ability to individualize to meet patient's needs

ABR=annualized bleed rate; EHL=extended half-life. ^aOf 1% trough levels for standard half-life (SHL) products in adults and adolescents.^{1,2} ^bFor up to 3 months.¹

INDICATIONS AND USAGE

Esperoct[®] [antihemophilic factor (recombinant), glycopegylated-exei] is indicated for use in adults and children with hemophilia A for on-demand treatment and control of bleeding episodes, perioperative management of bleeding, and routine prophylaxis to reduce the frequency of bleeding episodes

• Esperoct[®] is not indicated for the treatment of von Willebrand disease



Please see Important Safety Information throughout. Please see accompanying Prescribing Information. **esperoct**[®] antihemophilic factor (recombinant), glycopegylated-exei

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KEEP THEM PROTECTED FROM BLEEDS

Long-term trial results confirm effective prophylaxis in adults and adolescents—for up to 6.6 years¹⁰

A lower overall median ABR in patients (aged 12 to 70 years) compared with the main phase was achieved^{10,a}

Overall bleeds per year^b N=177

Based on a post-hoc analysis, the majority of adults/adolescents who completed the entire trial experienced no annual bleeds after year 1^{10,c}

0.8

aln a phase 3, open-label study, safety, PK, and efficacy of Esperoct[®] were evaluated in PTPs aged ≥12 years with severe hemophilia A; 175 received routine prophylaxis (50 IU/kg every 4 days) and 12 adults elected to be treated on-demand during the main phase. After the main phase, a subset of patients continued on in extension phase part 1. After 24 weeks, patients from extension phase part 1 continued into the non-randomized extension phase part 2 until the end of trial.^{2,10} ^bMedian annualized bleeding rate shown is from the main and extension phases of the pivotal clinical trial of previously treated people aged ≥12 years with severe hemophilia A who received Esperoct[®] 50 IU/kg every 4 days, for up to 6.6 years.¹⁰ Based on a post hoc analysis of patients who completed the entire pathfinder™ 2 trial (n=110) who took Esperoct® 50 IU/kg every 4 days for up to 6.6 years. Patients evaluated at year 2 (n=103), year 3 (n=66), year 4 (n=62), year 5 (n=62), year 6 (n=59).¹⁰

IMPORTANT SAFETY INFORMATION

Warnings and Precautions

- Hypersensitivity reactions, including anaphylaxis, may occur. Should hypersensitivity reactions occur, discontinue Esperoct[®] and administer appropriate treatment
- Development of neutralizing antibodies (inhibitors) has occurred. Perform an assay that measures Factor VIII inhibitor concentration if bleeding is not controlled with the recommended dose of Esperoct[®] or if the expected plasma Factor VIII activity levels are not attained

Please see additional Important Safety Information throughout. Please see accompanying Prescribing Information.

PREPARE THEM FOR THE UNEXPECTED

Effective bleed control on-demand





4

of 532 bleeds controlled with 1-2 infusions^{2,d}

On-demand dosing¹:

Minor/moderate bleeds: 40 IU/kg Major bleeds: 50 IU/kg^e

Effective perioperative control

efficacy shown in 45 major surgical procedures^{1,f}

Perioperative dosing¹:

50 IU/kg for all surgeries^{g,h}

^dIn a phase 3, open-label study, safety, PK, and efficacy of Esperoct[®] were evaluated in PTPs aged \geq 12 years with severe hemophilia A; 175 received routine prophylaxis (50 IU/kg every 4 days) and 12 adults elected to be treated on-demand during the main phase. Treatment-requiring bleeds were reported by patients through diaries.²

eAdditional dose can be administered every 24 hours for major or life-threatening bleeding.1

^fA phase 3, open-label, nonrandomized trial to assess the hemostatic efficacy of Esperoct[®] during major surgery in 33 patients with hemophilia A who underwent 45 major surgeries, 41 of which were orthopedic (15 joint replacements, 9 arthroscopic orthopedic interventions, and 17 classified as "other" orthopedic interventions). The success rate in bleed control during surgery was evaluated on a 4-point scale of excellent, good, moderate, or poor. Treatment success was defined as excellent or good bleed control.^{1,11} ⁹Perioperative dosing recommendation for pediatric patients is 65 IU/kg.¹

^hFor minor surgeries, additional dose(s) can be administered after 24 hours; for major surgeries, additional doses can be administered every 24 hours in the first week and then every 48 hours in the second week.

> esperoct antihemophilic factor (recombinant), glycopegylated-exei

F/ASSAYS

EFFICACY



FOR CHILDREN

PROTECTION THAT KEEPS UP WITH THEM

Approved for prophylactic, on-demand, and perioperative management in children aged 0-<12 years¹

65 IU/kg twice weekly One proven • No dose adjustment needed and related PK testing required^{1,2} dose:

• Because the clearance of FVIII products may be higher in children <12 years compared to adolescents/adults, higher and more frequent dosing may be required.¹

Higher factor levels for your pediatric patients^{a,b}



In a post hoc analysis, long-term prophylaxis (≥5 years) showed a stabilization in mean FVIII trough levels.^{3,d}

Long-term trial results confirm effective prophylaxis in children —for up to 5.4 years¹⁴

A lower overall median ABR in patients (aged 0 to <12 years) compared with the main phase was achieved^{14,e}



Overall bleeds per year^f N=68

8.0

100% resolution of target joints^{14,g}

Based on a post hoc analysis of patients who completed the entire trial, the proportion of patients who experienced no annual bleeding episodes more than doubled from year 1 to year 5^{14,h}

years old with severe congenital hemophilia A, comprising a main phase and an extension phase.^{13,14} who took Esperoct[®] 60 IU/kg (50-75 IU/kg) twice weekly for a median of 5 years.¹⁴ target joints at the baseline participated in main and extension phase of pathfinder™ 5 clinical trial.¹⁴ 75 IU/kg) twice weekly for up to 5 years (n=63). Approximately 32% of the patients that participated in both the main and extension phases experienced no bleeding episodes during year 1, ~50% during year 2, <50% during year 3, 56% during year 4, and ~70% during year 5 had no annual bleeding episodes.¹⁴

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<sup>a</sup>Compared with SHL products.<sup>12</sup>
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^bIn a phase 3 study of children (aged <12 years) a single-dose PK comparison was performed in 27 children between previous SHL products and Esperoct® at the same administered dose prior to the start of routine prophylaxis. Half-life comparison is based upon the estimated half-life derived from a population-based model. During the main phase, 68 children received prophylaxis at an average dose of approximately 65 IU/kg twice weekly for 26 weeks.^{12,12}

Geometric mean terminal half-life in 23 children. The subjects were 12 children aged 0-5 years and 10 children aged 6-11 years. Estimated geometric terminal mean half-life was 14.7 hours in the younger cohort and 13.8 hours in the older cohort.^{12,13} ^dPost hoc analyses were performed on data from the pathfinder™ 5 trial of patients (aged <12) with severe hemophilia A. Exploratory

descriptive analyses of the data were used to evaluate mean factor VIII trough levels which were assessed over time in 54 patients who received ≥5 years of twice-weekly prophylaxis. Limitations of the analyses include the exclusion of several trough-level data if believed that they were elevated due to dosing to treat a recent bleed.³

IMPORTANT SAFETY INFORMATION

Adverse Reactions

6

• The most frequently reported adverse reactions in clinical trials ($\geq 1\%$) were rash, redness, itching (pruritus), and injection site reactions

Please see additional Important Safety Information throughout. Please see accompanying Prescribing Information.

eln a phase 3 multinational, open-label, single-arm, non-randomized, non-controlled trial of 68 previously treated male patients aged <12

^fMedian annualized bleeding rate shown is from the main and extension phases of previously treated children with severe hemophilia A,

⁹A target joint was defined as a single joint with ≥3 bleeding episodes in 6 consecutive months. All baseline target joints reached the per-protocol definition of target joint resolution in slightly over 2 years of treatment with Esperoct[®]. Per protocol, a target joint was no longer considered a target joint if there were no bleeding episodes for 12 consecutive months. Twelve patients with 16 documented

^hBased on a post-hoc analysis of patients who completed the entire pathfinder™ 5 trial who took Esperoct® 60 IU/kg (50 IU/kg -



esperoct

antihemophilic factor (recombinant), glycopegylated-exei

PIVOTAL

TRIAL MAIN PHASE

DATA

SAFETY/STORAGE







OUR COMMITMENT TO THE **ENVIRONMENT**

We not only aspire to be a respected leader in the healthcare industry, we also continuously strive to minimize the environmental impact of our activities.

As of 2020, all production facilities for Esperoct[®] will source 100% renewable power¹⁶

MEASURING **FACTOR VIII ACTIVITY**

Factor VIII activity assay results may be significantly affected by the type of aPTT reagent, which can result in over- or under-estimation of FVIII activity.

Esperoct[®] FVIII activity levels and inhibitor testing is available through the Novo Nordisk Lab Program, using validated assays in compliance with CAP/CLIA regulations.

To activate your Labcorp account and participate in the program, download and complete the form, then email it to fixsupport@labcorp.com.

Please see Prescribing Information for complete monitoring information.



Scan to start

IMPORTANT SAFETY INFORMATION

Adverse Reactions

• The most frequently reported adverse reactions in clinical trials ($\geq 1\%$) were rash, redness, itching (pruritus), and injection site reactions

Please see additional Important Safety Information throughout.

Please see accompanying Prescribing Information. 10



HAVE A QUESTION?

Our Hemophilia Treatment Managers (HTMs) are ready to answer your questions and provide you with resources to help your practice and patients.



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esperoct antihemophilic factor (recombinant), glycopegylated-exei

ENVIRONMEN /ASSAYS

FOR ADULT AND ADOLESCENT PATIENTS

MOVE BEYOND THE THRESHOLD^a

One proven starting dose:

50 IU/kg every 4 days¹

 Ability to individualize to meet patient's needs¹

High trough levels:

- \geq 3% for the entire dosing interval^{1,c}
- \geq 5% for 90% of the dosing interval^{1,d}
- ~5%, based on post hoc analysis of 6+ years treatment data^{3,e}

Low median ABR:

- Pivotal trial main phase: 1.2 across all bleeds^{2,f}
- Long-term trial: 0.8 across all bleeds^{10,g}

^aOf 1% trough levels for SHL products in adults and adolescents.^{1,6} ^bBased on data for Q2 2020-Q2 2021; accounts for net gains and losses of patients switching to and from extended half-life rFVIII available for at least one year.¹⁷

^cIn a phase 3, open-label study, safety, efficacy, and PK of Esperoct[®] were evaluated in PTPs aged >12 years with severe hemophilia A. Single-dose PK studies were performed in 42 adults after receiving Esperoct[®] 50 IU/kg; 175 PTPs received routine prophylaxis (50 IU/kg Q4D) for 76 weeks and 12 adults elected to be treated on-demand during the main phase. Mean trough levels for adolescents (12-<18 years) were 2.7 IU/dL.^{1,2}

^dSteady-state FVIII activity profiles were estimated using a one-compartment model with first-order elimination with PK parameters of clearance and volume of distribution.¹

^ePost hoc analyses were performed on data from the pathfinder 2 trial of patients aged (>12) with severe hemophilia A. Exploratory descriptive analyses of the data were used to evaluate long-term annual bleed rates and mean factor VIII trough levels which were assessed over time in 61 patients who received ≥ 6 years of prophylaxis, every 4 days. Limitations of the analyses include the exclusion of several trough-level data if believed that they were elevated due to dosing to treat a recent bleed.³

^fIn a phase 3, open-label study, safety, pharmacokinetics, and efficacy of Esperoct[®] were evaluated in PTPs aged \geq 12 years with severe hemophilia A; 175 received routine prophylaxis (50 IU/kg every 4 days) and 12 adults elected to be treated on-demand during the main phase.² ⁹Median appualized bleeding rate shown is from the main and extension phases of the pivotal clinical trial of previously treated people aged \geq 12 years with

⁹Median annualized bleeding rate shown is from the main and extension phases of the pivotal clinical trial of previously treated people aged \geq 12 years with severe hemophilia A who received Esperoct[®] 50 IU/kg every 4 days, for up to 6.6 years¹⁰

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• Esperoct[®] is not indicated for the treatment of von Willebrand disease

IMPORTANT SAFETY INFORMATION

Contraindications

• Do not use in patients who have known hypersensitivity to Esperoct[®] or its components, including hamster proteins

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esperoct[®]

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