CENTER FOR DRUG EVALUATION AND RESEARCH

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RISK ASSESSMENT and RISK MITIGATION REVIEW(S)
Department of Health and Human Services
Food and Drug Administration
Center for Drug Evaluation and Research
Office of Surveillance and Epidemiology

FINAL REMS MODIFICATION REVIEW

Date: June 9, 2011

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Subject: Erythropoiesis Stimulating Agents (ESAs)
Proposed REMS Modifications Review (2)

Drug Name (Established Name):
Aranesp (darbepoetin alfa)
Epogen (epoetin alfa)
Procrit (epoetin alfa)

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Applicant: Amgen

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1 Introduction

The purpose of this review is to summarize the modifications to the Erythropoiesis Stimulating Agents (ESAs) REMS Document, REMS Supporting Document, and REMS website as agreed upon by the FDA and the Sponsor on June 1, 2011 and submitted by Amgen on June 8, 2011.

2 Background

Amgen proposed a REMS modification on October 14, 2010 which included proposed modifications to the forms and the ESA APPRISE Oncology Program Website. On a November 19, 2010 teleconference, FDA requested Amgen submit an amendment to PAS (submitted 10/14/10) to include modifications to address stakeholder concerns to reduce the burden to the healthcare system in implementing the REMS but that will still be capable of meeting the intent of the REMS. On March 3, 2011, FDA requested that all REMS materials be submitted to the PLR Conversion supplement and cross referenced to the REMS Modification supplement. The sponsor submitted the REMS modifications to the PLR supplement on March 22, 2011.

The following timeline describes the sequence of interactions between the Agency and the Sponsor after the March 22, 2011 submission regarding the proposed REMS modifications.

- **May 06, 2011** – the FDA sent the Applicant a request for information regarding their March 22, 2011 submission (Epoetin alfa (Epogen®/PROCRIT®), Sequence No. 0351 Resubmission of the Physician Labeling Rule (PLR) Prior Approval Supplement (PAS) in Response to Complete Response Letter; Proposed REMS Modifications).

- **May 19, 2011** – the Sponsor responded to the Agency’s request for information from May 06, 2011 (EPOGEN®/PROCRIT® (Epoetin alfa) Sequence No. 0364 Epoetin alfa Drug Product Fill Volume IPC Update Amendment: Response to Request for Additional Information)

- **May 31, 2011** – the FDA sent the Sponsor comments on the May 19, 2011 submission and a revised version of the REMS Document.

- **June 1, 2011** – the Sponsor submitted the revised version of the REMS Document

- **June 8, 2011** – the Sponsor submitted the final version of the modified REMS documents via email
The purpose of this review is to evaluate the applicant’s responses to the additional information requested by the Agency on May 06, 2011, summarize the modifications to the REMS Document and other REMS materials as agreed upon by the Sponsor and FDA on June 1, 2011, and review the June 8, 2011 submission to verify all changes expected changes have been implemented.

3 Materials Reviewed

DRISK reviewed the following documents:

- Submissions from May 19, June 1, and June 8, 2011 addressing the modifications to the REMS.

4 ESA REMS OVERVIEW

The Erythropoiesis Stimulating Agents (ESAs) have a class REMS to address the risk of shortened overall survival and/or increased risk of tumor progression or recurrence. The REMS consists of a Medication Guide, communication plan, and elements to assure safe use (ETASU). The Medication Guide is directed to any patient treated with an ESA. The communication plan and ETASU apply to the cancer indication. The ETASU includes required prescriber certification, hospital certification, and documentation of safe use conditions through a signed patient-prescriber acknowledgement form.

5 ESAs REMS Modifications Agreed Upon by FDA and the Sponsor

The following sections summarizes the modifications to the ESA REMS as agreed upon by FDA and the Sponsor.

5.1 Modifications to the REMS-Related Documents

5.1.1 Modifications Regarding the Medication Guide

Distribution of the Medication Guide. On May 17, 2011 the Office of Regulatory Policy (ORP), Office of Compliance, DBOP, and DRISK agreed to remove specific details
regarding the Medication Guide distribution in light of the new draft guidance. This resulted in the following modifications to the REMS Document:

a. REMS Document

- Deletion of \( (b)(4) \) with the objective of being consistent with 21 CFR Part 208. All patients receiving treatment with an ESA, regardless of the indication, must receive a Medication Guide in accordance with 21 CFR Part 208 and draft Guidance. However, Oncology patients will receive a Medication Guide as stipulated by the ESA REMS. ORP added to sections C.1.b.4 and C.2.b.4 of the REMS Document the underlined language below to clarify that Healthcare Providers (HCPs) do not have to schedule a monthly appointment with the sole purpose of providing the Medication Guide,

\[ \text{—or, if regular office visits occur less frequently than once a month, at the next regularly scheduled office visit.} \]

- Added the following text to sections C.1 and C.2, “Ensure that printed copies of the Epogen/Procrit Medication Guides are available upon request through the ESA APPRISE Oncology Program Call Center”.

b. Enforcement Discretion Letters. In addition, on June 2, 2011 the FDA issued Enforcement Discretion Letters indicating the following,

- Non-cancer patients. When ESAs are administered by a healthcare provider (e.g., in a physician's office, clinic, hospital inpatient setting, or dialysis center) to patients who do not have cancer, the FDA intends to exercise enforcement discretion with

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respect to the requirements of 21 CFR 208.24(e) as long as the Medication Guide is provided to each patient or patient caregiver at the initiation of therapy and again if the Medication Guide is materially revised or updated.

- **Oncology patients.** When ESAs are administered by a healthcare provider (e.g., in a physician’s office, clinic, hospital inpatient setting, or dialysis center) to patients with cancer, we intend to exercise enforcement discretion with respect to the requirements of 21 CFR 208.24(e) as long as the Medication Guide is provided to each patient or patient caregiver at the initiation of therapy; once a month during regular office visits — or, if regular office visits occur less frequently than once a month, at the next regularly scheduled office visit — for as long as treatment continues; and again if the Medication Guide is materially revised or updated.

5.1.2 Other Modifications

Other noteworthy modifications to the REMS-related materials are described below:

a. Global change (all REMS-related documents): Change of \[\text{[Redacted]}\] to ‘shortened overall survival and/or increased risk of tumor progression or recurrence’. This change is consistent with labeling.

b. Global change: Addition of the word ‘myelosuppressive’ to the oncology indication statement anywhere this is found within the REMS materials.

c. Global change: Deleted the terms \[\text{[Redacted]}\] in the REMS document.

d. REMS Document: Revised the REMS to accommodate for electronic upload, use, and archiving of Acknowledgement Forms. Revisions were made to the Implementation System outlining the “allowable changes” to the Acknowledgement Forms, verbiage was added to the Acknowledgement Forms to reference “allowable changes” and a flashcard was added to the REMS describing the “allowable changes” to healthcare providers.

e. REMS Document: Revised document header to include the standard “initial REMS approval date; date last modified ".
f. REMS Document: Removed the [redacted] to make the document concise and consistent with the latest FDA policy and included high-level statements to capture the basic REMS requirements. Certain details were deleted that were already included in the enrollment and Acknowledgement Forms with the objective of making the document more concise and avoiding a future need to modify the REMS Document if additional changes are made to the enrollment forms.

g. REMS Document: Deleted the [redacted].

h. REMS Document: Changed [redacted] to “patient representative”.

i. REMS Document: Changed [redacted] to "agree".

j. REMS Document and Website: FDA did not agree with the proposed text on page 14 under, Implementation System D.1.a of the REMS Document, [redacted] and requested Amgen also modify similar language in the ‘Guidelines for Patient Acknowledgement Form Integration within Healthcare Systems and Clinics’ flashcard.

k. REMS Supporting Document: FDA recommended modifying the REMS Supporting document, page 12, section 3.3.1.5, (Healthcare Delivery System Impact and Patient Access, item #2 Requirement for all HCPs and Hospitals to use the ESA APPRISE Oncology Program Patient Acknowledgement Form without modification as a paper-based form), by deleting the first two paragraphs and summarizing the actions already taken to address the problems encountered with the Acknowledgement Form.

l. Website: Modification to the Q&A section of the website: Modified the reply to the question, “What are the consequences of not training and enrolling in the ESA APPRISE Oncology Program?” to reflect the fact that the enrollment grace period has already concluded. The new reply reads, “Failure to comply with program requirements, including training and enrollment [redacted] will result in suspension of access to ESAs”.

m. Website: Deletion of redundant text in the webpages.
n. Website: Revised the homepage to increase the visibility of the risk.

5.2 Sponsor Responses to FDA Comments

5.2.1 Response to FDA Comment 1

Changes to the internet homepage. The Sponsor agreed to the changes suggested by FDA but included the following modifications which the FDA accepted:

- Reinserted the names of the companies in the first sentence of the second paragraph.
- Modified the 2 main bullets under the sub-heading “What are the risks addressed by the ESA APPRISE Oncology program?” describing the risks with the objective of maintaining alignment with the USPI in PLR format.
- Added the following sentence under the Key Program Requirements table for clarification purposes ‘Note that patient registration or approval through the ESA APPRISE Oncology program is not required.’
- Added the term ‘myelosuppressive’ to the indication statement to align with the USPI.
- Modified the following bullet under ‘ESAs are not indicated for use in:’ to align with the USPI.
  - ‘in patients with cancer receiving myelosuppressive chemotherapy when the anticipated outcome is cure;’

FDA considered that listing Key Program Requirement in a table format was a good suggestion by the Sponsor but recommended the proposed table to be restructured for space efficiency. The Sponsor concurred.

5.2.2 Response to FDA Comment 2

“Allowable Changes” to Patient Acknowledgement Form. The Sponsor agreed to:

- Modify Section 3 of the ESA APPRISE Oncology Program Training Module for Healthcare Providers and the ESA APPRISE Oncology Program Training Module for
Hospital Designees in order to highlight the availability of the “Guidelines for Patient Acknowledgement Form Integration within Healthcare Systems and Clinics” flashcard.

- Add a hyperlink to the flashcard within the training modules contained on the website.
- Edit the hard copy Training Module to include directions that the guidelines flashcard is accessible at www.esa-apprise.com in the Forms and Resources section.

FDA concurred with these changes.

5.2.3 Response to FDA Comment 3

HCP Enrollment Form. The Sponsor agreed with FDA’s recommendations to modify the HCP enrollment form to add a second sub-bullet to be consistent with the current draft USPI and requested FDA to retain the language for the third bullet to avoid language that could be interpreted as dictating the practice of medicine. A global change from (4) to ‘agree’ was done throughout the REMS materials.

The FDA concurred with these changes.

5.2.4 Response to FDA Comment 4

HCP and Hospital Designee Training Modules: The Sponsor agreed with FDA recommendations to align the language in the HCP Training Module with that in the USPI. Similar changes were also implemented in the Hospital Designee Training Module.

5.2.5 Response to FDA Comment 5

Re-printing of REMS Materials. The Sponsor confirmed that the REMS materials will be re-printed as soon as possible after finalization of the REMS modification supplement and will take into consideration the upcoming name change for Centocor Ortho Biotech Products.

FDA concurred.

5.2.6 Response to FDA Comment 6

Correction of Several Errors. The Sponsor concurred with FDA proposed corrections except for corrections described in 6a for which they propose the following language:

Original text: “Your enrollment identification number will be required on every patient acknowledgement form”. 
FDA concurred.

5.2.7 Response to FDA Comment 7

Modification of Dear Healthcare Provider Letters (DHCPL). The Sponsor requested clarification of FDA point described in 7a. FDA withdrew this comment and agreed the Sponsors will modify the original Dear Healthcare Provider Letters (DHCPL) and include these as part of the continuing Communication Plan. This change is reflected in the revised version of the REMS Document. DRISK and the Division of Drug Marketing, Advertising and Communications (DDMAC) reviewed the revised versions of DHCPL sent by the Sponsor June 3, 2011 and provided comments on June 6. The Sponsor sent on June 8, 2011 revised versions of the DHCPLs including FDA proposed changes.

The FDA concurs with the Sponsor implementation of FDA proposed modifications in comment 7b.

6 Conclusion and Recommendations

DRISK, DBOP, and the Sponsor agreed to the modifications as described above. DRISK reviewed the REMS Document and all appended materials submitted on June 8, 2011 and finds the modified REMS acceptable if the following edit is incorporated:

- Revise the REMS Document as follows: See page 3 "v" at the top of the page, immediately above "c. amgen will."

From: ____________________________

To: ____________________________

Agree to send a completed signed copy of the ESA APPRISE Oncology Program Patient and Healthcare Professional Acknowledgment Form (or modified version consistent with the allowable changes) to the ESA APPRISE Oncology Program Call Center and retain a copy for my records.

7 REMS Documents and Materials

- Aranesp and Epogen/Procrit REMS Documents
- ESA REMS Supporting Document
- REMS-related materials
DBOP REVIEW

RISK EVALUATION AND MITIGATION STRATEGY MODIFICATION REVIEW

BLA/Serial Number: 103234/5166
Drug Name: Epogen/Procrit (epoetin alfa)
Purpose: REMS Modification associated with PLR Conversion and Efficacy Supplement
Applicant: Amgen
Date(s): Initial submission: 12/26/07, Initial CR: 10/24/08; Resubmission: 10/26/09, 2nd CR: 4/27/10; 2nd resubmission: 3/23/11
Medical Division: Division of Biologic Oncology Products
Reviewer: Jeff Summers, M.D.
Through: Patricia Keegan, M.D., Director Division of Biologic Oncology Products
Review Team: Pat Keegan, MD; Claudia Karwoski, PharmD, Kaushik Shastri, MD; Amarilys Vega, MD, MPH; Suzanne Robottom, PharmD; Grace Carmouze, Sharon Mills, RN
Project Manager: Mona Patel, PharmD
1 SUMMARY
The purpose of this review is to evaluate the modifications to the Erythropoiesis Stimulating Agents (ESA) Risk Evaluation and Mitigation Strategy (REMS) originally approved February 16, 2010. The changes to the REMS that required a REMS Modification stem from supplement 103234/5166 that was submitted in response to the FDA correspondence dated May 31, 2007 in which FDA requested that Amgen submit a Prior Approval Supplement (PAS) to include revised labeling that addressed the recommendations from the May 10, 2007 Oncologic Drugs Advisory Committee meeting and all data supporting the proposed revisions.

At the time of submission of supplement 103234/5166, the Epogen/Procrit labeling did not include a Medication Guide and instead had approved Patient Prescribing Information (PPI). During the protracted course of this submission, a Medication Guide was approved on November 19, 2008 under 103234/5195.

During review of the data from the multiple studies provided and the PLR conversion process, changes were made to the Prescribing Information that entailed changes also be made to the Medication Guide. Since the Medication Guide was now part of a REMS for the ESAs that was approved on February 16, 2010, a REMS modification was required.

Supplement 103234/5166 included proposed draft Prescribing Information provided in the Physician’s Labeling Rule (PLR) format. Information and/or data regarding 19 studies was submitted during the review of this supplement. The supplement consisted of the original submission on 12/26/07 and 23 subsequent amendments.

Of particular note, the final Prescribing Information and Medication Guide that will be approved under this supplement will also incorporate changes from a concurrently reviewed and simultaneously approved supplement managed by the Division of Hematology Products (DHP) that addresses the data from the TREAT Study under 103234/5256.

This review will document the changes that were made in the Medication Guide that were specific to the data reviewed under supplement 103234/5166 that was managed by the Division of Biologic Oncology Products and the discussions with the Division of Risk Management (DRISK) regarding that supplement. This review also pertains to Procrit where identical changes to the Medication Guide have been made, however, only the Epogen Medication Guide changes have been attached.

The REMS modification changes are acceptable and should be approved.

2 INTRODUCTION AND BACKGROUND
The Medication Guide originally approved on November 19, 2008 for Epogen/Procrit under 103234/5195 can be found in Appendix 1. The Medication Guide changes included in the second Complete Response Letter of April 27, 2010 that were necessary to accurately reflect the changes in the Prescribing Information based on the clinical review of the data contained in the supplement and the PLR conversion process can be found in Appendix 2. In addition to the clinical trial data and PLR conversion process entailing changes to the Medication Guide, DRISK also provided a review and comments such that it adhered to current OSE policy regarding Medication Guide content and to improve document readability. Please see the clinical
review by Dr. Kaushik Shastri for details on the PLR conversion and efficacy supplement review and the review by Sharon Mills of DRISK regarding the Medication Guide.

The Medication Guide received on May 20, 2011 that incorporated all of the changes requested by DBOP can be found in Appendix 3. As previously discussed, additional changes to the Prescribing Information and Medication Guide were concurrently being negotiated with Amgen by DHP under a separate submission. The final Medication Guide as agreed upon by DHP and Amgen as of the June 7, 2011 e-mail from Ebla Ali Ibrahim can be found in Appendix 4. Identical corresponding changes have been made to the Procrit Medication Guide.

3 REVIEW

The following important changes were made to the Medication Guide, each change is not discussed when they are of a similar nature.

Information regarding when a patient should read this Medication Guide contained in the first paragraph was organized into a bulleted format. During the review cycle an additional bullet was added and later deleted as this was not consistent with the recent Federal Register published draft guidance Medication Guides-Distribution Requirements and Inclusion in Risk Evaluation and Mitigation Strategies (REMS) that can be found in Appendix 5.

The Medication Guide Revision Date was deleted. This was initially placed at the beginning of the document with the original approval so that readers could quickly identify whether this represented a new version, and at the end of the document as per DRISK Medication Guide policy. The revision date is now being included only at the end of the document to be consistent with 21CFR §208 that states “The date, identified as such, of the most recent revision of the Medication Guide placed immediately after the last section.”

Under Patients with cancer

-Information regarding the ESA REMS program and the requirement to sign the patient-healthcare provider acknowledgment form regarding discussions about the risks of taking Epogen has been included. The Medication Guide was approved prior to the approval of the ESA REMS and had not been updated to include this information.

-The qualifying language regarding experimentally raising hemoglobin beyond the amount needed to avoid red blood cell transfusion was deleted from the primary risk information regarding your tumor growing faster and dying sooner to increase patient readability. For the same reason language regarding whether these risks exist when Epogen is given according to FDA approved directions for use was removed.

-Since physicians are not the only individuals licensed to prescribe Epogen, the term “doctor” was changed to “health care provider” throughout the document except for the last sentence under the section “What are the possible side effects of Epogen?” that reads “Call your doctor for medical advice about the side effects. You may report side effects to FDA at 1-800-FDA-1088. This language was retained as 21CFR §208 states that for drug products approved under section 505 of the act, the following verbatim statement: "Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088" must be included.

-Language was revised to be more patient friendly and patient centered such as including “for you” to personalize the Medication Guide.
-Language was added to improve the grammar and clarify the meaning of certain sentences such as the following revision noted in italics “If you decide to take Epogen, your healthcare provider should prescribe the smallest dose of Epogen that is needed to lower the chance of getting red blood cell transfusions.”

-The bulleted statement under Patients with cancer that reads “Epogen does not improve the symptoms of anemia (lower than normal number of red blood cells), quality of life, fatigue, or well-being for patients with cancer” was placed after the section discussing the circumstances in which Epogen should not be used for the treatment of anemia. This more closely reflects the Limitations of Use section in the Prescribing Information.

Under All patients, including patients with cancer or chronic kidney failure

-The second sentence in the last bullet under symptoms of blood clots was deleted as this was not a symptom.

Under What is Epogen

-The qualifier “for at least two months after starting Epogen” was included for consistency with the Prescribing Information.

-A section was included to reflect the Limitations of Use section of the Prescribing Information.

Under Who should not take Epogen

-Language has been included for cancer patients that they should not take Epogen until appropriately counseled by their HCP regarding the risks of Epogen and signed the ESA REMS required acknowledgement form.

-Language regarding allergies to ingredients in Epogen has been deleted and clarified to read “Have had a serious allergic reaction to Epogen” that is consistent with the PI.

-Language regarding pure red cell aplasia (PRCA) as a contraindication has been included to be consistent with the PI.

Under What should I tell my healthcare provider before taking Epogen?

-Information regarding about Amgen’s new Pregnancy Surveillance Program has been added.

Under How should I take Epogen?

-Bullet points highlighting the primary components of the REMS requirements have been added.

Under What are the possible side effects of Epogen

-The common side effects were revised to reflect the PI.

4 CONCLUSION
This review documents the changes to the Medication Guide that occurred under supplement 103234/5166 as reviewed by the Division of Biologic Oncology Products. The changes to the Medication Guide also required that a REMS Modification be submitted. The final approved Medication Guide under this supplement will also include changes resulting from the review of the TREAT study as conducted by DHP. The Medication Guide agreed upon by DHP and Amgen can be found in Appendix 4 and the details of the additional changes should be sought in
the DHP supplement review for the TREAT study under 103234/5266. The REMS modification changes are acceptable and should be approved.
MEDICATION GUIDE

Epogen® (Ee-po-jen)
(epoetin alfa)

Read this Medication Guide before you start Epogen, each time you refill your prescription, and if you are told by your healthcare provider that there is new information about Epogen. This Medication Guide was revised DATE. This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or your treatment. Talk with your healthcare provider regularly about the use of Epogen and ask if there is new information about Epogen.

What is the most important information I should know about Epogen?

Using Epogen can lead to death or other serious side effects.

Patients with cancer:

Your tumor may grow faster and you may die sooner when Epogen is used experimentally to try to raise your hemoglobin beyond the amount needed to avoid red blood cell transfusion or given to patients who are not getting strong doses of chemotherapy. It is not known whether these risks exist when Epogen is given according to the FDA-approved directions for use.

You should discuss with your doctor:

- Why Epogen treatment is being prescribed.
- What are the chances you will get red blood cell transfusions if you do not take Epogen.
- What are the chances you will get red blood cell transfusions even if you take Epogen.
- How taking Epogen may affect the success of your cancer treatment.

If you decide to take Epogen, your healthcare provider should prescribe the smallest dose of Epogen to lower the chance of getting red blood cell transfusions.

- After you have finished your chemotherapy course, Epogen treatment should be stopped.
- Epogen does not improve the symptoms of anemia (lower than normal number of red blood cells), quality of life, fatigue, or well-being for patients with cancer.

All patients, including patients with cancer or chronic kidney failure:

- You may get serious heart problems such as heart attack, stroke, heart failure, and may die sooner if you are treated with Epogen to a hemoglobin level above 12 g/dL.

- You may get blood clots at any time while taking Epogen. If you are receiving Epogen and you are going to have surgery, talk to your healthcare provider about whether or not you need to take a blood thinner to lessen the chance of blood clots during or following surgery. Clots can form in blood vessels (veins), especially in your leg (deep venous thrombosis or DVT). Pieces of a blood clot may travel to the lungs and block the blood circulation in the lungs (pulmonary embolus).

Call your healthcare provider or get medical help right away if you have any of these symptoms of blood clots:
• Chest pain
• Trouble breathing or shortness of breath
• Pain in your legs, with or without swelling
• A cool or pale arm or leg
• Sudden confusion, trouble speaking, or trouble understanding others’ speech
• Sudden numbness or weakness in your face, arm, or leg, especially on one side of your body
• Sudden trouble seeing
• Sudden trouble walking, dizziness, loss of balance or coordination
• Loss of consciousness (fainting)
• Hemodialysis vascular access stops working. If you are a patient with chronic kidney failure and have a hemodialysis vascular access, blood clots may form in this access.

Also see “What are the possible side effects of Epogen?” below.

What is Epogen?

Epogen is a man-made form of the protein human erythropoietin that is given to patients to lessen the need for red blood cell transfusions. Epogen stimulates your bone marrow to make more red blood cells. Having more red blood cells raises your hemoglobin level. If your hemoglobin level stays too high or if your hemoglobin goes up too quickly, this may lead to serious health problems which may result in death. These serious health problems may happen even if you take Epogen and do not have an increase in your hemoglobin level.

Epogen may be used to treat a lower than normal number of red blood cells (anemia) if it is caused by:

• Chronic kidney failure (you may or may not be on dialysis)
• Chemotherapy that is used for at least two months to treat some types of cancer
• A medicine called zidovudine (AZT) used to treat HIV infection

Epogen may also be used if you are scheduled for certain surgeries with a lot of blood loss to reduce the chance you will need red blood cell transfusions.

Who should not take Epogen?

Do not take Epogen if you:

• Have high blood pressure that is not controlled (uncontrolled hypertension).
• Have allergies to any of the ingredients in Epogen. See the end of this Medication Guide for a complete list of ingredients in Epogen.

What should I tell my healthcare provider before taking Epogen?

Epogen may not be right for you. Tell your healthcare provider about all your health conditions, including if you:

• Have heart disease.
• Have high blood pressure.
• Have had a seizure (convulsion) or stroke.
• Are pregnant or planning to become pregnant. It is not known if Epogen may harm your unborn baby.
• Are breast-feeding or planning to breast-feed. It is not known if Epogen passes into breast milk.
• Women who do not have regular monthly menstrual periods may begin to have monthly periods while taking Epogen. Talk with your doctor about the possibility of pregnancy while taking Epogen.

Tell your healthcare provider about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements.
Know the medicines you take. Keep a list of your medicines with you and show it to your healthcare provider when you get a new medicine.

**How should I take Epogen?**

- Continue to follow your healthcare provider’s instructions for diet, dialysis, and medicines, including medicines for high blood pressure, while taking Epogen.
- Have your blood pressure checked as instructed by your healthcare provider.
- If you or your caregiver has been trained to give Epogen shots (injections) at home:
  - Be sure that you read, understand, and follow the “Patient Instructions for Use” that come with Epogen.
  - Take Epogen exactly as your healthcare provider tells you to. Do not change the dose of Epogen unless told to do so by your healthcare provider.
  - Your healthcare provider will show you how much Epogen to use, how to inject it, how often it should be injected, and how to safely throw away the used vial, syringes, and needles.
  - If you miss a dose of Epogen, call your healthcare provider right away and ask what to do.
  - If you take more than the prescribed amount of Epogen, call your healthcare provider right away.

**What are the possible side effects of Epogen?**

Epogen may cause serious side effects. See “What is the most important information I should know about Epogen?”

**Other side effects of Epogen, which may also be serious, include:**

- **High blood pressure in patients with chronic kidney failure.** Your blood pressure may go up or be difficult to control with blood pressure medicine while taking Epogen. This can happen even if you have never had high blood pressure before. Your healthcare provider should check your blood pressure often. If your blood pressure does go up, your healthcare provider may prescribe new or more blood pressure medicine.

- **Seizures.** If you have any seizures while taking Epogen, get medical help right away and tell your healthcare provider.

- **Antibodies to Epogen.** Your body may make antibodies to Epogen. These antibodies can block or lessen your body’s ability to make red blood cells and cause you to have severe anemia. Call your healthcare provider if you have unusual tiredness, lack of energy, dizziness, or fainting. You may need to stop taking Epogen.

- **Serious allergic reactions.** Serious allergic reactions can cause a rash over your whole body, shortness of breath, wheezing, dizziness and fainting because of a drop in blood pressure, swelling around your mouth or eyes, fast pulse, or sweating. If you have a serious allergic reaction, stop using Epogen and call your healthcare provider or get medical help right away.

- **Dangers of giving Epogen to premature babies.** Epogen from multidose vials that contain benzyl alcohol should not be given to premature babies because it can cause death and brain damage.

**Common side effects of Epogen include:**

- Rash
- Swelling in your legs and arms
- Injection site reaction, including irritation and pain

These are not all of the possible side effects of Epogen. Your healthcare provider can give you a more complete list. Tell your healthcare provider about any side effects that bother you or that do not go away.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.
How should I store Epogen?

- Store Epogen in the refrigerator between 36°F to 46°F (2°C to 8°C).
- Do not freeze. Do not use a vial of Epogen that has been frozen.
- Keep away from direct light.
- Do not shake Epogen.
- Throw away multidose vials of Epogen after 21 days from the first day that you put a needle into the vial.
- Single use vials of Epogen should be used only one time. Throw the vial away after use even if there is medicine left in the vial.

Keep Epogen and all medicines out of the reach of children.

General information about Epogen

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Use Epogen only for the condition for which it has been prescribed. Do not give Epogen to other people even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Epogen. If you would like more information about Epogen, talk to your healthcare provider. You can ask your healthcare provider or pharmacist for information about Epogen that is written for healthcare professionals. For more information, go to the following website: www.epogen.com or call 1-800-77-AMGEN.

What are the ingredients in Epogen?

Active Ingredient: epoetin alfa

Inactive Ingredients: All formulations include albumin (human), sodium citrate, sodium chloride, and citric acid in water for injection. Multi-use vials contain benzyl alcohol. Certain formulations also contain sodium phosphate monobasic monohydrate and sodium phosphate dibasic anhydrite.

Revised:

This Medication Guide has been approved by the U.S. Food and Drug Administration.

AMGEN®

Manufactured by:

Amgen Manufacturing, Limited, a subsidiary of Amgen Inc.
One Amgen Center Drive
Thousand Oaks, CA 91320-1799

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Appendix 2  Medication Guide changes contained in the second Complete Response Letter of April 27, 2010

MEDICATION GUIDE
Appendix 4  Medication Guide changes as negotiated by DHP with Amgen as of June 7, 2011

MEDICATION GUIDE

Epogen® (Ee-po-jen)
(epoetin alfa)

Read this Medication Guide:
- before you start Epogen.
- if you are told by your healthcare provider that there is new information about Epogen.
- if you are told by your healthcare provider that you may inject Epogen at home, read this Medication Guide each time you receive a new supply of medicine.

This Medication Guide does not take the place of talking to your healthcare provider about your medical condition or your treatment. Talk with your healthcare provider regularly about the use of Epogen and ask if there is new information about Epogen.

What is the most important information I should know about Epogen?

Using Epogen can lead to death or other serious side effects.

For patients with cancer:
Your healthcare provider has received special training through the ESA APPRISE Oncology Program in order to prescribe Epogen. Before you can begin to receive Epogen, you must sign the patient-healthcare provider acknowledgment form. When you sign this form, you are stating that your healthcare provider talked with you about the risks of taking Epogen.

These risks include that your tumor may grow faster and you may die sooner if you choose to take Epogen.

You should talk with your doctor about:
- Why Epogen treatment is being prescribed for you.
- What are the chances you will get red blood cell transfusions if you do not take Epogen.
- What are the chances you will get red blood cell transfusions even if you take Epogen.
- How taking Epogen may affect the success of your cancer treatment.
- After you have finished your chemotherapy course, Epogen treatment should be stopped.

For all patients who take Epogen, including patients with cancer or chronic kidney disease:

- If you decide to take Epogen, your healthcare provider should prescribe the smallest dose of Epogen that is needed to reduce your chance of getting red blood cell transfusions.
- You may get serious heart problems such as heart attack, stroke, heart failure, and may die sooner if you are treated with Epogen to reach a normal or near-normal hemoglobin level.
- You may get blood clots at any time while taking Epogen. If you are receiving Epogen for any reason and you are going to have surgery, talk to your healthcare provider about whether or not you need to take a blood thinner to lessen the chance of blood clots during or following surgery. Clots can form in blood vessels (veins), especially in your leg (deep venous thrombosis or DVT). Pieces of a blood clot may travel to the lungs and block the blood circulation in the lungs (pulmonary embolus).

Call your healthcare provider or get medical help right away if you have any of these symptoms of blood clots:
• Chest pain
• Trouble breathing or shortness of breath
• Pain in your legs, with or without swelling
• A cool or pale arm or leg
• Sudden confusion, trouble speaking, or trouble understanding others' speech
• Sudden numbness or weakness in your face, arm, or leg, especially on one side of your body
• Sudden trouble seeing
• Sudden trouble walking, dizziness, loss of balance or coordination
• Loss of consciousness (fainting)
• Hemodialysis vascular access stops working

See “What are the possible side effects of Epogen?” below.

What is Epogen?

Epogen is a man-made form of the protein human erythropoietin that is given to reduce or avoid the need for red blood cell transfusions. Epogen stimulates your bone marrow to make more red blood cells. Having more red blood cells raises your hemoglobin level. If your hemoglobin level stays too high or if your hemoglobin goes up too quickly, this may lead to serious health problems which may result in death. These serious health problems may happen even if you take Epogen and do not have an increase in your hemoglobin level.

Epogen may be used to treat a lower than normal number of red blood cells (anemia) if it is caused by:

• Chronic kidney disease (you may or may not be on dialysis).
• Chemotherapy that will be used for at least two months after starting Epogen.
• A medicine called zidovudine (AZT) used to treat HIV infection.

Epogen may also be used to reduce the chance you will need red blood cell transfusions if you are scheduled for certain surgeries where a lot of blood loss is expected.

Epogen should not be used for treatment of anemia:

• If you have cancer and you will not be receiving chemotherapy that may cause anemia for at least 2 more months.
• If you have a cancer that has a high chance of being cured.
• In place of emergency treatment for anemia (red blood cell transfusions).

Epogen has not been proven to improve quality of life, fatigue, or well-being.

Epogen should not be used to reduce the chance of red blood cell transfusions if:

• You are scheduled for surgery on your heart or blood vessels
• You are able and willing to donate blood prior to surgery

Who should not take Epogen?

Do not take Epogen if you:

• Have cancer and have not been counseled by your healthcare provider regarding the risks of Epogen or if you have not signed the patient-healthcare provider acknowledgment form before you start Epogen treatment.
• Have high blood pressure that is not controlled (uncontrolled hypertension).
• Have been told by your healthcare provider that you have or have ever had a type of anemia called Pure Red Cell Aplasia (PRCA) that starts after treatment with Epogen or other erythropoietin protein medicines.
• Have had a serious allergic reaction to Epogen.
Do not give Epogen from multidose vials to:

- Pregnant or breastfeeding women
- Babies

What should I tell my healthcare provider before taking Epogen?

Epogen may not be right for you. **Tell your healthcare provider about all your health conditions**, including if you:

- Have heart disease.
- Have high blood pressure.
- Have had a seizure (convulsion) or stroke.
- Have any other medical conditions.
- Are pregnant or planning to become pregnant. It is not known if Epogen may harm your unborn baby. Talk to your healthcare provider about possible pregnancy and birth control choices that are right for you. If you are pregnant, discuss with your healthcare provider **about enrolling in Amgen’s Pregnancy Surveillance Program** or call 1-800-772-6436 (1-800-77-AMGEN).
- Are breast-feeding or planning to breast-feed. It is not known if Epogen passes into breast milk.

Tell your healthcare provider about all the medicines you take, including prescription and nonprescription medicines, vitamins, and herbal supplements.

Know the medicines you take. Keep a list of your medicines with you and show it to your healthcare provider when you get a new medicine.

How should I take Epogen?

See “**What is the most important information I should know about Epogen?**”

**For patients with cancer:**

Before you begin to receive Epogen, your healthcare provider will:

- Ask you to review this Epogen Medication Guide.
- Explain the risks of Epogen and answer all your questions about Epogen.
- Have you sign the patient-healthcare provider acknowledgment form.

**For all patients who take Epogen:**

- **Continue to follow your healthcare provider’s instructions for diet and medicines,** including medicines for high blood pressure, while taking Epogen.
- Have your blood pressure checked as instructed by your healthcare provider.
- If you or your caregiver has been trained to give Epogen shots (injections) at home:
  - Be sure that you read, understand, and follow the “Patient Instructions for Use” that come with Epogen.
  - Take Epogen exactly as your healthcare provider tells you to. Do not change the dose of Epogen unless told to do so by your healthcare provider.
  - Your healthcare provider will show you how much Epogen to use, how to inject it, how often it should be injected, and how to safely throw away the used vials, syringes, and needles.
  - If you miss a dose of Epogen, call your healthcare provider right away and ask what to do.
  - If you take more than the prescribed amount of Epogen, call your healthcare provider right away.

What are the possible side effects of Epogen?

Epogen may cause serious side effects.
• See “What is the most important information I should know about Epogen?”

• **High blood pressure.** High blood pressure is a common side effect of Epogen. Your blood pressure may go up or be difficult to control with blood pressure medicine while taking Epogen. This can happen even if you have never had high blood pressure before. Your healthcare provider should check your blood pressure often. If your blood pressure does go up, your healthcare provider may prescribe new or more blood pressure medicine.

• **Seizures.** If you have any seizures while taking Epogen, get medical help right away and tell your healthcare provider.

• **Antibodies to Epogen.** Your body may make antibodies to Epogen. These antibodies can block or lessen your body’s ability to make red blood cells and cause you to have severe anemia. Call your healthcare provider if you have unusual tiredness, lack of energy, dizziness, or fainting. You may need to stop taking Epogen.

• **Serious allergic reactions.** Serious allergic reactions can cause a rash over your whole body, shortness of breath, wheezing, dizziness and fainting because of a drop in blood pressure, swelling around your mouth or eyes, fast pulse, or sweating. If you have a serious allergic reaction, stop using Epogen and call your healthcare provider or get medical help right away.

• **Dangers of giving Epogen to newborns, infants, and pregnant or breastfeeding women.** Do not use Epogen from multi-dose vials in newborns, infants, pregnant or breastfeeding women because the Epogen in these vials contains benzyl alcohol. Benzyl alcohol has been shown to cause brain damage, other serious side effects, and death in newborn and premature babies. Epogen that comes in single-dose vials does not contain benzyl alcohol. See “Who should not take Epogen?”

Common side effects of Epogen include:

• joint, muscle, or bone pain
• fever
• cough
• rash
• nausea
• vomiting
• soreness of mouth
• itching
• headache
• redness and pain in the skin where Epogen shots were given

These are not all of the possible side effects of Epogen. Your healthcare provider can give you a more complete list. Tell your healthcare provider about any side effects that bother you or that do not go away.

Call your doctor for medical advice about side effects. You may report side effects to FDA at 1-800-FDA-1088.

**How should I store Epogen?**

• Do not shake Epogen.
• Protect Epogen from light.
• Store Epogen in the refrigerator between 36°F to 46°F (2°C to 8°C).
• **Do not freeze Epogen.** Do not use Epogen that has been frozen.
• Throw away multidose vials of Epogen no later than 21 days from the first day that you put a needle into the vial.
• Single-dose vials of Epogen should be used only one time. Throw the vial away after use even if there is medicine left in the vial.

Keep Epogen and all medicines out of the reach of children.
General information about Epogen

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Use Epogen only for the condition for which it has been prescribed. Do not give Epogen to other patients even if they have the same symptoms that you have. It may harm them.

This Medication Guide summarizes the most important information about Epogen. If you would like more information about Epogen, talk to your healthcare provider. You can ask your healthcare provider or pharmacist for information about Epogen that is written for healthcare professionals. For more information, go to the following website: www.epogen.com or call 1-800-77-AMGEN.

What are the ingredients in Epogen?

Active Ingredient: epoetin alfa

Inactive Ingredients:
- Multidose vials contain benzyl alcohol.
- All vials contain albumin (human), sodium citrate, sodium chloride, and citric acid.
- Single-dose vials containing 40,000 Units of Epogen also contain sodium phosphate monobasic monohydrate and sodium phosphate dibasic anhydride.

This Medication Guide has been approved by the U.S. Food and Drug Administration.

Manufactured by:

Amgen Manufacturing Limited, a subsidiary of Amgen Inc.
One Amgen Center Drive
Thousand Oaks, CA 91320-1799

Revised:

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Department of Health and Human Services
Food and Drug Administration
Center for Drug Evaluation and Research
Office of Surveillance and Epidemiology

DRISK INTERIM REMS REVIEW

Date: May 9, 2011

To: Patricia Keegan, MD, Director
Division of Biologic Oncology Products

Through: Claudia Karwoski, PharmD, Director
Division of Risk Management

From: Amarilys Vega, MD, MPH
Risk Management Analyst
Division of Risk Management

Kate Heinrich Oswell, MA
Health Education Reviewer
Division of Risk Management

Suzanne Robottom, PharmD, Team Leader
Division of Risk Management

Subject: Erythropoiesis Stimulating Agents (ESAs)
Proposed REMS Modifications Review (1)

Drug Name (Established Name):
Aranesp (darbepoetin alfa)
Epogen (epoetin alfa)
Procrit (epoetin alfa)

Application Type/Number: BLA 103951/5258
BLA 103234/5266
BLA 103951/5173
BLA 103234/5166

Applicant: Amgen

OSE RCM #: 2010-550

TSI #: 242
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1 Introduction

The purpose of this review is to evaluate the applicant's modifications to the Erythropoiesis Stimulating Agents (ESAs including Aranesp®, Epogen®, and Procrit®) Risk Evaluation and Mitigation Strategy (REMS) submitted to the FDA in March 22, 2011. These revisions have been under discussion with the applicant since mid-October 2010 and involve changes to allow for electronic signature and storage of the Patient Acknowledgement Form. These modifications are being reviewed to align with additional changes resulting from the conversion of the current label to PLR format and safety labeling changes to incorporate new safety information from the TREAT study.

This interim review provides recommendations on the applicant's proposed ESA REMS modifications. This review includes letter-ready comments for the applicant.

These are preliminary comments. The Division of Biologic Oncology Products (DBOP) and the applicant should anticipate additional comments as the submission undergoes further review. We note that additional revisions to the appended REMS materials will need to be made once the label is finalized (inclusion of the TREAT study results and PLR conversion).

2 Materials Reviewed

DRISK reviewed the following

- Amgen submission dated January 18, 2011, Sequence No. 0344, including the Applicant’s interim response to FDA comments dated December 29, 2010 (related to the October 14, 2011 submission).

In addition, DRISK reviewed the electronic document room for REMS-related submissions between October 2010 to present and note the following submissions that are related to these modifications and have been addressed by the December 20, 2010 DRISK review:

- REMS modification submitted October 14, 2011 - (0386 → 103951/5258.0) - 1st REMS assessment AND proposed REMS modifications
- REMS modification submitted December 8, 2011 (this was in response to request from FDA)

The following submissions are REMS-related but are not pertinent to the subject of this review:

- REMS modification submitted October 14, 2011 addressed by DRISK Assessment Team
- December 3, 2010 -- "RTQ and Utilization Assessment" -- pilot programs, etc. → no action by RMA; addressed by OSE Division of Epidemiology
- February 16, 2011 -- 2nd REMS assessment → This submission is addressed under separate cover
3 Background

In December 29, 2010 the FDA sent comments to Amgen regarding their proposed ESAs REMS modifications. The Applicant submitted an interim response to the Agency’s comments in January 18, 2011 indicating that some of the revisions would be incorporated in a subsequent submission. In March 3, 2011, FDA requested Amgen to send a formal submission of all proposed REMS modifications. Amgen submitted all REMS-related materials addressing FDA comments from December 29, 2010 in March 22, 2011.

This review evaluates Amgen’s January 18, 2011 and March 22, 2011 submissions of the ESAs REMS modifications.

4 ESA REMS Modifications Proposed by the Sponsor

The following sections include DRISK evaluation of Amgen’s response to FDA comments dated December 29, 2010.

4.1 Agency Comment 1 (December 29, 2010)

All of the proposed revisions to the website are acceptable with the exception of the proposal to

The safety information applies to the risk addressed through the REMS and any changes to this information would likely have an impact on the REMS regardless

Amgen Response 1 (January 18, 2011)

Amgen and Centocor Ortho Biotech Inc. (COBI) appreciate FDA’s acceptance of all but one of the proposed website revisions. Revised website screenshots are enclosed; the revision is also incorporated into the proposed final REMS.

DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011

“Important Safety Information”: Upon further consideration, we agree with deleting of the modification of the ESAs Apprise Oncology Program homepage. On the homepage, include a description of the risks associated to ESAs exposure in the body of the page (see below). In addition, create a “tab” in the header section to include the risk information addressed through the REMS. Please note that the risk information will need to be consistent with the final agreed upon label.

Following are suggested modifications to the webpage

What is the ESA APPRISE Oncology Program?

Erythropoiesis Stimulating Agents (ESAs) include Aranesp® (darbepoetin alfa), Epogen® (epoetin alfa), and Procrit® (epoetin alfa). The FDA determined that a Risk Evaluation and Mitigation Strategy (REMS) is necessary to ensure that the decision to initiate treatment with an ESA is informed by a discussion between the patient and healthcare provider (HCP) about the benefits and risks associated with ESA therapy.

What are risks addressed through the ESA APPRISE Oncology Program?
• ESAs shortened overall survival and/or increase the risk of tumor progression or recurrence in clinical studies in patients with breast, non-small cell lung, head and neck, lymphoid, and cervical cancers.

• Increased risk of death from cardiovascular and thromboembolic reactions in clinical studies in patients with cancer treated ESAs

Key Program Requirements

The ESA APPRISE Oncology Program training and enrollment takes you step-by-step through the required training and enrollment process.

Failure to comply with the ESA APPRISE Oncology Program requirements will result in suspension of your access to ESAs

Appropriate Use of ESAs for Patients with Cancer
• ESAs are indicated for the treatment of anemia in patients with non-myeloid malignancies where anemia is due to the effect of concomitant chemotherapy, and upon initiation, there is a minimum of two additional months of planned chemotherapy.

• ESAs are NOT Indicated for use
  o in patients with cancer receiving hormonal agents, biologic products, or radiotherapy, unless also receiving concomitant myelosuppressive chemotherapy.
    o as a substitute for RBC transfusions in patients who require immediate correction of anemia.

• ESAs have not been shown to improve quality of life, fatigue, or patient well-being.

Important Dosing and Treatment Information
• Initiate ESA therapy in patients on cancer chemotherapy only if the hemoglobin is less than 13 g/dL
  o Use the lowest dose needed to avoid red blood cell (RBC) transfusions
  o Discontinue ESA treatment following completion of a chemotherapy course.

Questions about the ESA APPRISE Oncology Program?
If you need more information about the ESA APPRISE Oncology Program:
• Contact your local Amgen or Cantocor Ortho Biotech Products Field Representative, or
• Call the ESA APPRISE Oncology Program Call Center at 1-866-284-8089

*Additional information on REMS may be found at www.FDA.gov

4.2 Agency Question 2 (December 29, 2010)
The plan to disseminate the flashcard to communicate these changes to HCPs and Hospital Designees is an acceptable short-term, interim solution.

  a. Submit the letter that will accompany the flashcard for review.
Amgen Response (January 18, 2011)

The original proposal by Amgen and COBI stated that the flashcard would be mailed out with a letter to all currently enrolled HCPs and Hospital Designees, included on the outside of all HCP Program Starter Kits sent to newly enrolled HCPs and Hospital Designees, and communicated via field representatives. Instead of being mailed as a hardcopy to enrolled HCPs and Hospital Designees, the flashcard will be sent via email with the following email text:

In addition, the flashcard will be available on the Forms & Resources page of the ESA APPRISE Oncology Program Website as shown on the enclosed revised website screenshots.

In order to inform prescribers and hospital designees about the availability of these changes to the REMS in an expedited manner, the Companies request FDA agreement that we can implement the flashcard as soon as possible, even if formal written approval of this supplement has not been provided.

DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011

*In the January 18, 2011 response to FDA comments, Amgen included a copy of the email they intended to send to all enrolled HCPs and Hospital Designees regarding the flashcard.*

*DRISK reviewed the proposed communication and considers it acceptable.*

*Amgen requested FDA agreement to implement the flashcard as soon as possible, even before the formal written approval of the supplement. The FDA agreed to this proposal and the flashcard is currently available in the website under the “Forms & Resources” tab.*

4.3 Agency Question 3 (December 29, 2010)

The long-term modification should include revisions to the REMS materials. Revise the "Training Module for Hospital Designees" and "Training Module for Healthcare Providers" and corresponding "overview" flashcards, as appropriate, to communicate these changes. These changes should be incorporated before the next scheduled printing of the REMS materials. The website should be updated at the time the REMS modifications are approved and/or the materials are revised. The flashcard should be used until the revised training materials are fully implemented.

a. Submit the revised training materials for review.

b. Provide the date when you anticipate the REMS materials will be re-printed.

c. Specify the time the flashcard will remain on the website after the training modules are updated on the website and how long you intend to over-wrap the starter kits.
d. On the website, identify the link to the flashcard as "new" or "program update" or some other mechanism to draw attention that this is an important change.

**Amgen Response (January 18, 2011)**

a. Amgen and COBI will submit all revised REMS materials for FDA review. To minimize the number of REMS modification supplements requiring FDA review, the Companies propose to submit the long-term changes related to the agreed-upon Patient and Healthcare Professional Acknowledgement Form (PAF) flexibility in a prior approval supplement together with the additional REMS changes related to the PLR conversion (e.g., change in the oncology indication statement).

b. REMS materials will be re-printed as soon as possible after the finalization of the REMS modification supplement described in the response to FDA question 3a. In the meantime, the Companies will communicate the allowable changes to the PAF as described in the response to FDA question 2 above.

c. It will be beneficial for the information on the flashcard to be readily available on an ongoing basis from a variety of sources. Therefore, Amgen and COBI will continue to use the flashcard as a REMS tool when the long-term modifications to the REMS are complete. The flashcard will remain on the website after the relevant information has been incorporated into the training modules and any other REMS materials as appropriate. As part of the long-term changes, the starter kits will also be modified so that the PAF flashcard is a listed enclosure.

d. The website home page and the Forms & Resources page (in the proposed final REMS) have been updated to draw attention that the PAF flashcard is an important addition. See also the enclosed revised website screenshots.

**DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011**

a. *Amgen and COBI submitted all revised REMS materials in March 22, 2011.*

b. *The sponsors stated in their response that REMS materials will be re-printed as soon as possible after the finalization of the REMS modification supplement. DRISK find the proposed approach acceptable.*

c. *The Sponsors plan to make the information on the flashcard available from the website and starter kit even after all the modifications are incorporated into all relevant REMS materials. DRISK find the proposed approach acceptable.*

b. *The website home page and the Forms & Resources page were updated to highlight changes to the Patient Acknowledgement Form.*

**4.4 Agency Question 4 (December 29, 2010)**

As part of the long-term modification, revise the Patient and Healthcare Professional Acknowledgement Form to explain that the form may be submitted or maintained in a modified format consistent with the allowable changes and archived as hard copy or electronically; accessible in a manner that does not disclose a patient’s complete medical record. For example, the following revisions could be incorporated into the Acknowledgment Form:

a. under “in private practice clinics”
Include "Fax the completed form (or modified version consistent with the allowable changes) to the ESA APPRISE Oncology Call Center at 1-866-553-8124 or mail a copy using a prepaid envelope to...."

Delete

and replace with

"Keep a record of the signed Acknowledgment. The Acknowledgment must be available to the ESA APPRISE Oncology Program for monitoring/auditing purposes in a manner that does not require disclosure of the patient's medical record."

b. under “in hospitals”

Include “Provide the completed form (or modified version with allowable changes) to the hospital designee responsible for maintaining and storing the forms

As part of the long-term modification, revision to the Patient and Healthcare Professional Acknowledgement Form that explains that the form may be submitted or maintained in a modified format consistent with the allowable changes and archived as hard copy or electronically, accessible in a manner that does not disclose a patient's complete medical record, will be submitted for FDA review as described in the response to FDA question 3a above.

Amgen Response (January 18, 2011)

As part of the long-term modification, revision to the Patient and Healthcare Professional Acknowledgement Form that explains that the form may be submitted or maintained in a modified format consistent with the allowable changes and archived as hard copy or electronically, accessible in a manner that does not disclose a patient's complete medical record, will be submitted for FDA review as described in the response to FDA question 3a above.

DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011

In compliance to FDA’s request, the Sponsors added the following parenthetical statement to communicate the acceptability of modified versions of the Acknowledgement Form: “(or modified version consistent with the allowable changes)”. The clarifying statement was inserted into relevant places in the following documents:

- REMS concise document
- REMS supporting document
- REMS website screen shots
- ESA APPRISE Oncology Program Enrollment Form for Healthcare Providers
- Training Module for Healthcare Providers
- ESA APPRISE Oncology Program Patient and Healthcare Professional (HCP) Acknowledgment Form (Acknowledgment Form)
- HCP Program Starter Kit
Training Module for Hospital Designees

The Sponsor modified the ESA APPRISE Oncology Program Patient and Healthcare Professional (HCP) Acknowledgment Form to include the following text:

In private-practice clinics

... Keep a record of the signed Acknowledgment Form. The Acknowledgment Form must be available to the ESA APPRISE Oncology Program for monitoring/auditing purposes in a manner that does not require disclosure of the patient’s medical record.

In hospitals

Provide the completed form (or modified version consistent with the allowable changes) to the hospital designee responsible for maintaining and storing the forms or the forms may be archived electronically through an electronic medical record system as long as they are retrievable.

DRISK finds the proposed revisions acceptable.

In addition, to highlight the availability of the “Guidelines for Patient Acknowledgement Form Integration with Healthcare Systems and Clinics”, DRISK recommends the following modifications:

a. Training Module for Healthcare Providers and Training Module for Hospital Designees, section 3 Program Requirements and Materials for Healthcare Providers (and Hospital Designees): replace the sentence with the following one, “To learn more about allowed changes to the Patient Acknowledgment Form, please refer to the Guidelines for Patient Acknowledgment Form Integration with in Healthcare Systems and Clinics flashcard”. Please hyperlink the text to the flashcard.

4.5 Agency Question 5 (December 29, 2010)

a. The following comments are in response to the proposed Concise REMS Document you provided on December 8, 2010

i. Revise the Proposed REMS Concise Document to include the new underscored and italicized language as identified, and the deletions described as follows: Delete reference to the under section II C 4 “Aranesp/Epogen/Procrit will be dispensed to patients with cancer with evidence or other documentation of safe use conditions under 505-1(h)(3)(D)”

ii. Page 5, section II C 1 c iv “I will send a signed copy of the ESA APPRISE Oncology Program Patient and Healthcare Professional Acknowledgment form (or modified version with allowable changes) back to the ESA APPRISE Oncology Program Call Center.”

iii. Page 8, section II C 2 c v

iv. Page 11, section II D “Implementation System”
• Add the following new section 1.a

i. Removal of title instruction and footnoted text

ii.

iii.

The content in the Patient Acknowledgement and Healthcare Professional sections of the
form cannot be changed. No content can be added or removed from these sections.

• Continue with the old section 1.a as 1.b

“The ESA APPRISE Oncology Program Center will conduct monitoring of all private
practice...”

iv. Revise the header date to Month/Year consistent with the REMS modification
approval

b. Please note that the REMS Concise Document can not include any appended materials that
were not approved with the REMS. The final REMS submission before approval of these
modifications must include all (revised) REMS materials appended to the REMS.

Amgen Response (January 18, 2011)

a. Changes i and iv have been incorporated into the concise document (redline and clean)
enveloped for FDA review. The changes requested by FDA under ii and iii will result in
inconsistencies between the concise REMS documents and several appended materials.

With respect to v, because the REMS
modification is not yet approved, the header date has been changed to January 2011 in
anticipation that the supplement will be approved this month.

b. All appended materials listed in the concise REMS have been submitted for FDA review and
approval. The proposed final REMS (concise and appended materials) is enclosed.

DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011

a. The Sponsor reasonably addressed in the REMS concise document all the modifications
specified by the FDA in the March 29, 2010 document.

b. The March 22, 2011 submission of the final REMS included all revised REMS materials
and a single document containing the entire final clean version of the REMS with all
REMS components appended.
4.6 Agency Question 6 (December 29, 2010)
Revise the REMS Supporting Document to be consistent with all changes made to the REMS document.

Amgen Response (January 18, 2011)
A revised REMS Supporting Document (dated 7 January 2011, redline and clean) is enclosed.

DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011

DRISK finds the proposed revisions acceptable.

4.7 Agency Question 7 (December 29, 2010)
Resubmission Requirements and Instructions: Submit the revised proposed REMS with all attached or appended materials and the REMS Supporting Document in the following formats:

a. Provide a WORD document with track changes and a clean WORD version of all revised materials and documents.

b. Submit the REMS and the REMS Supporting Document as two separate WORD documents. The entire REMS document (Concise REMS and all appended materials) should be in a single WORD document.

c. If certain documents such as enrollment form are only in PDF format, they may be submitted as such, with changes noted using PDF mark-up tools.

Amgen Response (January 18, 2011)

a. The following revised documents are submitted in WORD:
   - Concise REMS (redline and clean)
   - REMS Supporting Document (redline and clean)

b. The concise REMS and the REMS Supporting Document are enclosed as separate WORD documents. Because many of the appended materials are in PDF format, it is not possible to submit the entire REMS document in Word. A PDF document providing clean versions of the proposed final REMS (concise REMS and all appended materials as listed below) is enclosed.

<table>
<thead>
<tr>
<th>Proposed Final REMS Components</th>
<th>Version / Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Concise REMS (product specific)</td>
<td>January 2011</td>
</tr>
<tr>
<td>Medication Guide (product specific)</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>Dear Healthcare Provider (DHCP) Letter to HCPs who may purchase or prescribe ESAs for patients with cancer</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>Dear Healthcare Provider (DHCP) Letter to hospital Directors of Pharmacy/Administrators</td>
<td>February 16, 2010</td>
</tr>
</tbody>
</table>
**Proposed Final REMS Components**

<table>
<thead>
<tr>
<th>Document</th>
<th>Version / Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>ESA APPRISE Oncology Program Website</td>
<td>January 2011</td>
</tr>
<tr>
<td>ESA REMS flashcard</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Enrollment Form for Healthcare Providers</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Training Module for Healthcare Providers</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Healthcare Provider Flashcard</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Patient and Healthcare Professional (HCP) Acknowledgment Form</td>
<td>Version 2, 5/10</td>
</tr>
<tr>
<td>HCP Program Starter Kit</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Enrollment Form for Hospitals</td>
<td>Version 2, 01/11</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Training Module for Hospital Designees</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>ESA APPRISE Oncology Program Hospital Process Overview Flashcard</td>
<td>February 16, 2010</td>
</tr>
<tr>
<td>Guidelines for Patient Acknowledgement Form Integration within Healthcare Systems and Clinics</td>
<td>January 2011</td>
</tr>
</tbody>
</table>

**c.** Annotated versions of the following revised documents are enclosed, with changes noted using PDF mark-up tools. In addition, a clean version of the entire final REMS (concise REMS and all appended materials) in PDF format are enclosed as listed in the response to FDA question 7b.

<table>
<thead>
<tr>
<th>Document</th>
<th>Description of Proposed Modification and Rationale</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hospital Designee Enrollment Form (redline)</td>
<td>Modification: Removal of [ redacted ] and replacement with Customer ID Type and # number issued by the Companies. Rationale: The Customer ID number(s) issued by the Companies is more likely to be known by the hospital designee, or can easily be obtained from a company field representative at the time of training and enrollment. The addition of the Customer ID# will assist the ESA APPRISE Oncology Program administrator in confirmation of the identity of the hospital entered on the manual enrollment form. This proposal has been further modified to enable clarification of which ID number is inserted, as in some case a hospital could be assigned more than one Customer ID#. This minor change will not require re-enrollment of hospital designees nor otherwise impact existing enrollments.</td>
</tr>
</tbody>
</table>
**Document** | **Description of Proposed Modification and Rationale**
--- | ---
Revised Website Screenshots | (3)(4) Rationale: Retaining these items from the current approved website per FDA request
illustrated by the annotated Home Page |  
Home Page | Modification: Addition of “New PAF Modification Guidelines” to the Access forms & resources” button Rationale: Highlights this important addition
Forms & Resources | Modification: Addition of link to PAF modification guidelines flashcard Rationale: Highlights this important addition

**DRISK Comments on Amgen’s submissions in January 18, 2011 and March 22, 2011**

*The March 22, 2011 submission includes all the REMS-related documents required to complete DRISK review.*

5 Additional Recommendations Regarding the March 22, 2011 Submission

5.1 Enrollment Forms for HCPs and Hospital Designees

Bullets 1 and 2 of the Enrollment Form for HCPs/Hospital Designees should be consistent with the label (boxed warning). Please note that the text is subject to change to be consistent with the final agreed upon labeling. For example, based on the current draft, we recommend the following:

By completing this form, I agree to the following:

- I have reviewed the appropriate current prescribing information for Aranesp® or Epogen®/Procrit®.
  - I understand that ESAs shortened overall survival and/or increased the risk of tumor progression or recurrence in (3)(4) clinical studies in patients with breast, non-small cell lung, head and neck, lymphoid, and cervical cancers
  - I understand that ESAs increased the risk of death from cardiovascular and thromboembolic reactions in clinical studies in patients with cancer treated with ESAs

5.2 Changes to the HCP Training Module

Revise the Training Module (sections 1 and 2) to be consistent with the final agreed upon label. In addition, section 2 should be revised as follows:

**Appropriate Use of ESAs for Patients With Cancer**

- ESAs are indicated for the treatment of anemia in patients with non-myeloid malignancies where anemia is due to the effect of concomitant chemotherapy, and upon initiation, there is a minimum of two additional months of planned chemotherapy.
- ESAs are **NOT indicated** for use
in patients with cancer receiving hormonal agents, biologic products, or radiotherapy, unless also receiving concomitant myelosuppressive chemotherapy.

- as a substitute for RBC transfusions in patients who require immediate correction of anemia.

- ESAs have not been shown to improve quality of life, fatigue, or patient well-being.

**Important Dosing and Treatment Information**
- Initiate ESAs in patients on cancer chemotherapy only if the hemoglobin is less than 10 g/dL.
- Use the lowest dose of ESAs necessary to avoid RBC transfusions.
- Discontinue ESAs following the completion of a chemotherapy course.

Please see the full prescribing information for Aranesp® (darbepoetin alfa), Epogen® (epoetin alfa), or Procrit® (epoetin alfa) for other risks associated with these ESAs, including other Warnings and Precautions, and Adverse Reactions.

Please see the full Prescribing Information for Procrit® regarding the pediatric use of Procrit®. The safety and efficacy of Aranesp® in pediatric cancer patients have not been established.

5.3 Errors in the March 22, 2011 Submission

The following errors were identified in the March 22, 2011 submission,

5.3.1 Website: Training and Enrollment for Hospitals tab main page:
- The following sentence should be deleted:

5.3.2 Website: ESA APPRISE Oncology Program Enrollment for Hospitals tab:
- Third bullet from the top, Epogen®/Procrit®[INSERT SPACE]to patients
- Edit the following sentence as follows, “I have completed the ESA APPRISE Training Module. I understand that failure to comply with the ESA APPRISE Oncology Program requirements will result in suspension of my hospital’s access to ESAs”.

5.3.3 Website: Training & Enrollment tab
- Pop-up window that appears when answering “YES” to the question, “Please confirm your enrollment in this program is related to the treatment of patients with cancer” has the option, “For non-prescribing HCPs—Training only”. This option does not belong in this window but should be provided in the pop-up window resulting from answering “NO” to the question, “Please confirm your enrollment in this program is related to the treatment of patients with cancer”.

5.4 Additional Recommendations to Improve Readability

We recommend the following revisions to improve readability:

5.4.1 ESA APPRISE Oncology Program Emphasis on REMS Document Materials
- Dear HCP, Dear Hospital Administrator,
  Director of Pharmacy, and Dear [insert organization name] letters’ header and footer:
  move ESA APPRISE Oncology Program logo and text in the right side of footer to the header (left or right side). Move the names and logos of the sponsors to the footer. Alternatively, place both companies’ names and logos on opposite sides of the ESA APPRISE Oncology Program logo in the header. Format the text in the footer to
resemble the format used in the footer of the Guidelines for Patient Acknowledgment Form Integration flashcard.

5.4.2 Website screenshots
Overall, avoid using Healthcare Providers (HCPs) in section headings, enrollment form titles, and in section review verification questions.

5.4.3 Training and Enrollment for HCPs tab main page
Abbreviate heading to “ESA APPRISE Training Module for Health Care Providers”.
Include the additional information that is currently part of the title in the body of the page. For example, add the following sentence or like after the first paragraph, “This training module is intended for HCPs who prescribe or prescribe and dispense ESAs for patients with cancer”.

5.4.4 Training and Enrollment for HCPs tab Section 3
Fourth bullet can be simplified; replace with the following: “Document that the risk:benefit discussion with the patient has occurred by completing and signing the ESA APPRISE Oncology Program Patient and Healthcare Provider (HCP) Acknowledgement Form”.

5.4.5 Training and Enrollment for Hospitals tab main page:
Abbreviate heading to “ESA APPRISE Training Module for Hospital Designees”. Include the additional information in the body of the page. For example, add the following sentence or like after the first paragraph, “This training module is intended for Hospital Designees at hospitals that dispense ESAs for patients with cancer”.

5.4.6 Training and Enrollment for Hospitals tab Section 3
Fourth bullet can be simplified; replace with the following: “Document that the risk:benefit discussion with the patient has occurred by completing and signing the ESA APPRISE Oncology Program Patient and Healthcare Provider (HCP) Acknowledgement Form”.

Third bullet under Hospital Designee Requirements, use HCPs abbreviation only.

6 Recommendations for the DBOP
DRISK finds that the Applicant’s submission of March 22, 2011 includes all REMS materials as requested by the FDA and that all REMS materials were revised as per the comments provided to the sponsors by FDA December 29, 2011 with a few exceptions for which the sponsor provided a reasonable explanation and offered an acceptable alternative approach.

DRISK requests you convey the following recommendations to Amgen:

6.1 Important Safety Information
Upon further consideration, we agree with deleting of the [Redacted] from all webpages contingent upon modification of the ESAs Apprise Oncology Program homepage. On the homepage, include a description of the risks associated to ESAs exposure in the body of the page (see below).

What is the ESA APPRISE Oncology Program?

Erythropoiesis Stimulating Agents (ESAs) include Aranesp® (darbepoetin alfa), Epogen® (epoetin alfa), and Procrit® (epoetin alfa). The FDA determined that a Risk Evaluation and Mitigation Strategy (REMS) is necessary to ensure that the decision to initiate treatment with an ESA is informed by a discussion between the patient and healthcare provider (HCP) about the benefits and risks associated with ESA therapy.
What are risks addressed through the ESA APPRISE Oncology Program?

- ESAs shortened overall survival and/or increase the risk of tumor progression or recurrence in clinical studies in patients with breast, non-small cell lung, head and neck, lymphoid, and cervical cancers.
- Increased risk of death from cardiovascular and thromboembolic reactions in clinical studies in patients with cancer treated ESAs

Key Program Requirements

The ESA APPRISE Oncology Program training and enrollment takes you step-by-step through the required training and enrollment process.

Failure to comply with the ESA APPRISE Oncology Program requirements will result in suspension of your access to ESAs

Appropriate Use of ESAs for Patients with Cancer

- ESAs are indicated for the treatment of anemia in patients with non-myeloid malignancies where anemia is due to the effect of concomitant chemotherapy, and upon initiation, there is a minimum of two additional months of planned chemotherapy.
- ESAs are NOT indicated for use
  - in patients with cancer receiving hormonal agents, biologic products, or radiotherapy, unless also receiving concomitant myelosuppressive chemotherapy;
  - as a substitute for RBC transfusions in patients who require immediate correction of anemia.
- ESAs have not been shown to improve quality of life, fatigue, or patient well-being.

Important Dosing and Treatment Information

- Initiate ESA therapy in patients on cancer chemotherapy only if the hemoglobin is less than 10 g/dL
  - Use the lowest dose needed to avoid red blood cell (RBC) transfusions
  - Discontinue ESA treatment following completion of a chemotherapy course.

Questions about the ESA APPRISE Oncology Program?

If you need more information about the ESA APPRISE Oncology Program:

- Contact your local Amgen or Centocor Ortho Biotech Products Field Representative, or
- Call the ESA APPRISE Oncology Program Call Center at 1-866-284-8089

*Additional information on RBMS may be found at www.FDA.gov
In addition, create a “tab” in the header section to include the risk information addressed through the REMS. Please note that the risk information will need to be consistent with the final agreed upon label.

6.2 Allowable Changes to Patient Acknowledgement Form

We consider that, after the incorporation of the information regarding the changes allowed to the Patient Acknowledgement Form into all relevant REMS materials, it is acceptable to have the Guidelines for Patient Acknowledgement Form Integration within Healthcare Systems and Clinics flashcard available at the program website and through the Starter Kit. In addition, to highlight the availability of the “Guidelines for Patient Acknowledgement Form Integration with Healthcare Systems and Clinics”, we recommend the following modification to the Training Module for Healthcare Providers and Training Module for Hospital Designees, section 3 Program Requirements and Materials for Healthcare Providers (and Hospital Designees): replace the sentence with the following one, “To learn more about allowed changes to the Patient Acknowledgment Form, please refer to the Guidelines for Patient Acknowledgment Form Integration with in Healthcare Systems and Clinics flashcard”. A hyperlink to the flashcard should be also included.

6.3 Enrollment Forms for HCPs and Hospital Designees

Bullets 1 and 2 of the Enrollment Form for HCPs/Hospital Designees should be consistent with the label (boxed warning). Please note that the text is subject to change to be consistent with the final agreed upon labeling. For example, based on the current draft, we recommend the following:

By completing this form, I agree to the following:
- I have reviewed the appropriate current prescribing information for Aranesp® or EpoGen®/Procrit®
- I understand that ESAs shortened overall survival and/or increased the risk of tumor progression or recurrence in clinical studies in patients with breast, non-small cell lung, head and neck, lymphoid, and cervical cancers
- I understand that ESAs increased the risk of death from cardiovascular and thromboembolic reactions in clinical studies in patients with cancer treated with ESAs

6.4 HCP Training Module

Revise the HCP Training Module (sections 1 and 2) to be consistent with the final agreed upon label. In addition, section 2 should be revised as follows:

Appropriate Use of ESAs for Patients With Cancer
- ESAs are indicated for the treatment of anemia in patients with non-myeloid malignancies where anemia is due to the effect of concomitant chemotherapy, and upon initiation, there is a minimum of two additional months of planned chemotherapy.
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- ESAs have not been shown to improve quality of life, fatigue, or patient well-being.
Important Dosing and Treatment Information

- Initiate ESAs in patients on cancer chemotherapy only if the hemoglobin is less than 10 g/dL.
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Please see the full prescribing information for Aranesp® (darbepoetin alfa), Epogen® (epoetin alfa), or Procrit® (epoetin alfa) for other risks associated with these ESAs, including other Warnings and Precautions, and Adverse Reactions.

Please see the full prescribing information for Procrit® regarding the pediatric use of Procrit®. The safety and efficacy of Aranesp® in pediatric cancer patients have not been established.

6.5 Reprinting Materials
The sponsors stated in their response that REMS materials will be re-printed as soon as possible after the finalization of the REMS modification supplement. This proposed approach acceptable.

6.6 Corrections
We recommend correction of the following errors in the REMS materials:

6.6.1 Website: Training and Enrollment for Hospitals tab main page:
The following sentence should be deleted since it only applies to HCPs and not to hospital designees, (0) (4)

6.6.2 Website: ESA APPRISE Oncology Program Enrollment for Hospitals tab
Third bullet from the top, Epogen®/Procrit®[INSERT SPACE]to patients
Edit the following sentence as follows, “I have completed the ESA APPRISE Training Module. I understand that failure to comply with the ESA APPRISE Oncology Program requirements will result in suspension of my hospital’s access to ESAs”.

6.6.3 Website: Training & Enrollment tab
Pop-up window that appears when answering “YES” to the question, “Please confirm your enrollment in this program is related to the treatment of patients with cancer” has the option, “For non-prescribing HCPs—Training only”. This option does not belong in this window but should be provided in the pop-up window resulting from answering “NO” to the question, “Please confirm your enrollment in this program is related to the treatment of patients with cancer”.

6.7 Additional recommendations to improve readability
We recommend the following revisions to improve readability:

6.7.1 Dear HCP, Dear Hospital Administrator, Director of Pharmacy, and Dear (insert organization name) letters’ header and footer: move ESA APPRISE Oncology Program logo and text in the right side of footer to the header (left or right side). Move the names and logos of the sponsors to the footer. Alternatively, place both companies’ names and logos on opposite side of the ESA APPRISE Oncology Program logo in the header. Format the text in the footer to resemble the format used in the footer of the Guidelines for Patient Acknowledgment Form Integration flashcard.
6.7.2 Website screenshots

- Overall, avoid using Healthcare Providers (HCPs) in section headings, enrollment form titles, and in section review verification questions.

- Training and Enrollment for HCPs tab main page
  Abbreviate heading to “ESA APPRISE Training Module for Health Care Providers”. Include the additional information that is currently part of the title in the body of the page. For example, add the following sentence or like after the first paragraph, “This training module is intended for HCPs who prescribe or prescribe and dispense ESAs for patients with cancer”.

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