**Indications**

OCREVUS is indicated for the treatment of:

- Relapsing forms of multiple sclerosis (MS), to include clinically isolated syndrome, relapsing-remitting disease, and active secondary progressive disease, in adults
- Primary progressive MS, in adults

**Contraindications**

OCREVUS is contraindicated in patients with active hepatitis B virus infection and in patients with a history of life-threatening infusion reaction to OCREVUS.

For additional safety information, please see pages 15 to 17 and the accompanying full Prescribing Information and Medication Guide.
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Please see Important Safety information on pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Patient pre-infusion counseling^1

Advise the patient to read the FDA-approved Medication Guide. Inform patients of the following:

- **CONTRACEPTION**
  Advise female patients of childbearing potential to use effective contraception while receiving OCREVUS and for 6 months after the last infusion of OCREVUS.

- **INFUSION REACTIONS**
  Inform patients about the signs and symptoms of infusion reactions (IRs), and that IRs can occur up to 24 hours after infusion. Advise patients to contact their healthcare provider immediately for signs or symptoms of IRs.

- **PREGNANCY**
  Instruct patients that if they are pregnant or plan to become pregnant while taking OCREVUS they should inform their healthcare provider. Encourage patients to enroll in the OCREVUS Pregnancy Registry if they become pregnant while taking OCREVUS.

- **VACCINATION**
  Patients should complete necessary live or live-attenuated vaccinations at least 4 weeks prior to initiation of OCREVUS and, when possible, at least 2 weeks prior for non-live vaccines. Administration of live-attenuated or live vaccines is not recommended during OCREVUS treatment and until B-cell recovery.

- **REDUCTION IN IMMUNOGLOBULINS**
  Inform patients that OCREVUS may cause a decrease in immunoglobulins and that their healthcare provider will do blood tests to check their blood immunoglobulin levels.

- **MALIGNANCIES**
  Advise patients that an increased risk of malignancy, including breast cancer, may exist with OCREVUS. Advise patients that they should follow standard breast cancer screening guidelines.

- **INFECTION**
  Advise patients to contact their healthcare provider for any signs of infection during treatment or after the last dose. Signs include fever, chills, constant cough, or signs of herpes, such as cold sores, shingles, or genital sores.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Dose and dosing schedule

**Recommended dose and dose administration**

- The initial 600 mg dose is administered as 2 separate intravenous infusions given over approximately 2.5 hours*: first as a 300 mg intravenous infusion followed 2 weeks later by a second 300 mg intravenous infusion.

- Subsequent doses are administered as a single 600 mg intravenous infusion every 6 months, using either a 3.5- to 4-hour infusion protocol or a 2-hour shorter infusion protocol if the patient has not had a serious infusion reaction during any previous OCREVUS infusion*.
  - The first subsequent dose is administered 6 months after Infusion 1 of the initial dose and is administered over the same time period as a single 600 mg intravenous infusion.

- Observe the patient for at least 1 hour after the completion of the infusion.

Doses of OCREVUS must be separated by at least 5 months.

**Delayed or missed doses**

- If a planned infusion of OCREVUS is missed, administer OCREVUS as soon as possible; do not wait until the next scheduled dose.

- Reset the dose schedule to administer the next sequential dose 6 months after the missed dose is administered.

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**Helpful hint:** Time spent during the infusion appointment can be used to educate your patient about OCREVUS and talk about treatment expectations over the next 6 months.

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*Infusion time may take longer if the infusion is interrupted or slowed.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Premedication

Assessments prior to first dose of OCREVUS

• Hepatitis B virus screening and testing for quantitative serum immunoglobulins should be performed in all patients before initiation of treatment with OCREVUS

• Complete necessary vaccinations at least 4 weeks prior to initiation of OCREVUS for live or live-attenuated vaccines and, when possible, at least 2 weeks prior for non-live vaccines

Preparation on the day of infusion

• Determine whether there is an active infection. In case of active infection, delay infusion of OCREVUS until the infection resolves

Recommended premedication

Premedicate with 100 mg of methylprednisolone (or an equivalent corticosteroid) administered intravenously approximately 30 minutes prior to each OCREVUS infusion to reduce the frequency and severity of infusion reactions.

Premedicate with an antihistamine (eg, diphenhydramine) approximately 30-60 minutes prior to each OCREVUS infusion to further reduce the frequency and severity of infusion reactions. The addition of an antipyretic (eg, acetaminophen) may also be considered.

Helpful hint: It is recommended that you administer OCREVUS after the premedication has taken effect.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
How OCREVUS is supplied and stored

**HOW OCREVUS IS SUPPLIED**

OCREVUS injection is a preservative-free, sterile, clear or slightly opalescent, and colorless to pale brown solution.

OCREVUS is supplied as a carton containing one 300 mg/10mL (30 mg/mL) single-dose vial.

**HOW OCREVUS IS STORED**

Store OCREVUS vials at 2°C-8°C (36°F-46°F).

Keep the vial in the outer carton to protect from light.

Do not freeze or shake.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
OCREVUS must be prepared by a healthcare professional using aseptic technique.

Visually inspect for particulate matter and discoloration prior to administration. Do not use the solution if discolored or if the solution contains discrete foreign particulate matter. Do not shake.

Withdraw intended dose and further dilute into an infusion bag containing 0.9% sodium chloride injection, to a final drug concentration of approximately 1.2 mg/mL.

- Withdraw 10 mL (300 mg) of OCREVUS and inject into 250 mL
- Withdraw 20 mL (600 mg) of OCREVUS and inject into 500 mL

Do not use other diluents to dilute OCREVUS since their use has not been tested. The product contains no preservative and is intended for single use only.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Preparation and storage of the dilute solution for infusion, continued

Prior to the start of the intravenous infusion, the content of the infusion bag should be at room temperature.

Use the prepared infusion solution immediately. **If not used immediately, store up to 24 hours in the refrigerator** at 2°C-8°C (36°F-46°F) and 8 hours at room temperature up to 25°C (77°F), which includes infusion time. In the event an intravenous infusion cannot be completed the same day, discard the remaining solution.

No incompatibilities between OCREVUS and polyvinyl chloride (PVC) or polyolefin (PO) bags and intravenous administration sets have been observed.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Administration¹

**OCREVUS is administered as an intravenous infusion through a dedicated line**

Administer OCREVUS under the close supervision of an experienced healthcare professional with access to appropriate medical support to manage severe reactions such as serious infusion reactions.

Administer the diluted infusion solution through a dedicated line using an infusion set with a **0.2 or 0.22 micron in-line filter**.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
OCREVUS infusion options\(^1\)

After the initial dose, there are 2 options for administering OCREVUS, including a shorter infusion protocol. Both protocols use the same premedication, dose, formulation, and posttreatment monitoring.

**Patients who have had a serious IR during any previous OCREVUS infusion are not eligible for the shorter infusion protocol.**

**INITIAL DOSE**

<table>
<thead>
<tr>
<th>DAY</th>
<th>300 MG</th>
<th>PREMEDICATION 60 MINUTES</th>
<th>2.5-HOUR* INFUSION</th>
<th>OBSERVATION 60 MINUTES</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>15</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**SUBSEQUENT DOSES**

<table>
<thead>
<tr>
<th>EVERY 6 MONTHS</th>
<th>600 MG</th>
<th>PREMEDICATION 60 MINUTES</th>
<th>3.5- TO 4-HOUR* INFUSION</th>
<th>OBSERVATION 60 MINUTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**OR**

<table>
<thead>
<tr>
<th></th>
<th></th>
<th>PREMEDICATION 60 MINUTES</th>
<th>2-HOUR* SHORTER INFUSION</th>
<th>OBSERVATION 60 MINUTES</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

*Infusion time may take longer if the infusion is interrupted or slowed.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
Infusion rate tables

**INITIAL DOSE (600 MG) ADMINISTERED AS 2 INFUSIONS**

<table>
<thead>
<tr>
<th>Infusion 1</th>
<th>Day 1</th>
<th>300 mg in 250 mL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>2.5-HOUR INFUSION:</strong> start at a rate of 30 mL/hr. Thereafter, increase the rate by 30 mL/hr every 30 minutes to a maximum of 180 mL/hr. Each infusion will last 2.5 hours or longer.*</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Start</th>
<th>at 30 min</th>
<th>at 60 min</th>
<th>at 90 min</th>
<th>at 120 min</th>
<th>at 150 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>30 mL/hr</td>
<td>60 mL/hr</td>
<td>90 mL/hr</td>
<td>120 mL/hr</td>
<td>150 mL/hr</td>
<td>180 mL/hr</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Infusion 2</th>
<th>Day 15</th>
<th>300 mg in 250 mL</th>
</tr>
</thead>
</table>

**SUBSEQUENT DOSES† (600 MG) ONCE EVERY 6 MONTHS**

<table>
<thead>
<tr>
<th>Single infusion</th>
<th>600 mg in 500 mL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>3.5- TO 4-HOUR INFUSION:</strong> start at a rate of 40 mL/hr. Thereafter, increase the rate by 40 mL/hr every 30 minutes to a maximum of 200 mL/hr. Each infusion will last 3.5 hours or longer.*</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Start</th>
<th>at 30 min</th>
<th>at 60 min</th>
<th>at 90 min</th>
<th>at 120 min</th>
<th>after 120 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>40 mL/hr</td>
<td>80 mL/hr</td>
<td>120 mL/hr</td>
<td>160 mL/hr</td>
<td>200 mL/hr</td>
<td>continue 200 mL/hr</td>
</tr>
</tbody>
</table>

**2-HOUR SHORTER INFUSION**

Start at a rate of 100 mL/hr. Thereafter, increase the rate as shown below to a maximum of 300 mL/hr. Each infusion will last 2 hours or longer.*

<table>
<thead>
<tr>
<th>Start</th>
<th>at 15 min</th>
<th>at 30 min</th>
<th>at 60 min</th>
<th>after 60 min</th>
</tr>
</thead>
<tbody>
<tr>
<td>100 mL/hr</td>
<td>200 mL/hr</td>
<td>250 mL/hr</td>
<td>300 mL/hr</td>
<td>continue 300 mL/hr</td>
</tr>
</tbody>
</table>

*Infusion time may take longer if the infusion is interrupted or slowed.

†Administer the first subsequent dose 6 months after Infusion 1 of the initial dose.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
IRs associated with OCREVUS

**RATES OF IRs DURING THE OPERA TRIALS**

Of OCREVUS patients participating in the ORATORIO clinical trial, 20.2% reported having a mild IR following their first dose, 6.4% of patients reported having a moderate IR, and 0.8% of patients reported having a severe IR. There were no reported life-threatening or fatal IRs. All reported IRs declined significantly after administration of the second dose.

**RATES OF IRs IN THE ENSEMBLE PLUS STUDY**

The ENSEMBLE PLUS study evaluated the safety of OCREVUS shorter infusion in a prospective, multicenter, randomized, double-blind, controlled, parallel-arm substudy of 580 patients with early RRMS.

- When the primary analysis was performed, 81% (469/579) of the treated patients had received only a single randomized infusion of OCREVUS.
- The incidence, frequency, and severity of IRs with the 2-hour infusion protocol were comparable to the 3.5- to 4-hour infusion protocol.
- There were no life-threatening, fatal, or serious IRs. More than 98% of all IRs resolved without sequelae in both groups.

*One severe IR (grade 3) occurred in the shorter infusion group: fatigue at first randomized dose.

For additional safety information, please see pages 15 to 17, and the accompanying full Prescribing Information and Medication Guide.
IRs associated with OCREVUS, continued

Symptoms of IRs include, but are not limited to:

| PRURITUS | HYPOTENSION |
| RASH | FLUSHING |
| URTICARIA | PYREXIA |
| ERYTHEMA | FATIGUE |
| BRONCHOSPASM | HEADACHE |
| DYSPNEA | DIZZINESS |
| PHARYNGEAL OR LARYNGEAL EDEMA | NAUSEA |
| THROAT IRRITATION | TACHYCARDIA |
| OROPHARYNGEAL PAIN | ANAPHYLAXIS |

- Mild IRs are asymptomatic or have mild symptoms
- Moderate IRs are minimal, local, and do not require invasive intervention
- Severe IRs are medically significant but not immediately life threatening
- Life-threatening IRs put a patient at immediate risk of death at the time of the event. Urgent intervention is needed

IRs can occur up to 24 hours after infusion.
## Rate modifications because of IRs\(^1\)

### Modify the infusion rate in response to the severity of the reaction

For IRs that are not life threatening, the change in infusion rate will increase the duration of the infusion but not the total dose.

<table>
<thead>
<tr>
<th>MILD TO MODERATE</th>
<th>SEVERE</th>
<th>LIFE-THREATENING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reduce the infusion rate to half the rate at the onset of the IR and maintain the reduced rate for at least 30 minutes. If this rate is tolerated, increase the rate as described in the Infusion Rate Tables on page 10. This change in rate will increase the total duration of the infusion but not the total dose.</td>
<td>Immediately interrupt the infusion and administer appropriate supportive treatment, as necessary. Restart the infusion only after all symptoms have resolved. When restarting, begin at half of the infusion rate at the time of onset of the IR. If this rate is tolerated, increase the rate as described in the Infusion Rate Tables on page 10. This change in rate will increase the total duration of the infusion but not the total dose.</td>
<td>Immediately stop and permanently discontinue OCREVUS if there are signs of a life-threatening or disabling IR. Provide appropriate supportive treatment.</td>
</tr>
</tbody>
</table>

### Reminder: Premedication can reduce the frequency and severity of IRs.
The proposed mechanism of action for OCREVUS

**DIRECTED AGAINST CD20-EXPRESSING B CELLS**

OCREVUS is a recombinant humanized monoclonal antibody directed against CD20-expressing B cells. Lymphoid stem cells and plasma cells do not express CD20 and therefore are not directly targeted by OCREVUS.

The precise mechanisms through which OCREVUS exerts its therapeutic clinical effects in RMS and PPMS are not fully elucidated but are presumed to involve immunomodulation through selective binding to CD20-expressing B cells. Following cell surface binding to B lymphocytes, OCREVUS results in antibody-dependent cellular cytolysis and complement-mediated lysis.

**Helpful hint:** Help your patient understand that OCREVUS is an infused monoclonal antibody and there may be potential for IRRs. Explain to your patients how premedication can help lower the risk of experiencing an IR.
Indications
OCREVUS is indicated for the treatment of:
• Relapsing forms of multiple sclerosis (MS), to include clinically isolated syndrome, relapsing-remitting disease, and active secondary progressive disease, in adults
• Primary progressive MS, in adults

Contraindications
OCREVUS is contraindicated in patients with active hepatitis B virus infection and in patients with a history of life-threatening infusion reaction to OCREVUS.

Important Safety Information

Warnings and Precautions

Infusion Reactions
OCREVUS can cause infusion reactions, which can include pruritus, rash, urticaria, erythema, bronchospasm, throat irritation, oropharyngeal pain, dyspnea, pharyngeal or laryngeal edema, flushing, hypotension, pyrexia, fatigue, headache, dizziness, nausea, tachycardia, and anaphylaxis. In multiple sclerosis (MS) clinical trials, the incidence of infusion reactions in OCREVUS-treated patients [who received methylprednisolone (or an equivalent steroid) and possibly other pre-medication to reduce the risk of infusion reactions prior to each infusion] was 34-40%, with the highest incidence with the first infusion. There were no fatal infusion reactions, but 0.3% of OCREVUS-treated MS patients experienced infusion reactions that were serious, some requiring hospitalization.

Observe patients treated with OCREVUS for infusion reactions during the infusion and for at least one hour after completion of the infusion. Inform patients that infusion reactions can occur up to 24 hours after the infusion. Administer pre-medication (e.g., methylprednisolone or an equivalent corticosteroid, and an antihistamine) to reduce the frequency and severity of infusion reactions. The addition of an antipyretic (e.g., acetaminophen) may also be considered. For life-threatening infusion reactions, immediately and permanently stop OCREVUS and administer appropriate supportive treatment. For less severe infusion reactions, management may involve temporarily stopping the infusion, reducing the infusion rate, and/or administering symptomatic treatment.

Infections
A higher proportion of OCREVUS-treated patients experienced infections compared to patients taking REBIF or placebo. In RMS trials, 58% of OCREVUS-treated patients experienced one or more infections compared to 52% of REBIF-treated patients. In the PPMS trial, 70% of OCREVUS-treated patients experienced one or more infections compared to 68% of patients on placebo. OCREVUS increased the risk for upper respiratory tract infections, lower respiratory tract infections, skin infections, and herpes-related infections. OCREVUS was not associated with an increased risk of serious infections in MS patients. Delay OCREVUS administration in patients with an active infection until the infection is resolved.

Respiratory Tract Infections
A higher proportion of OCREVUS-treated patients experienced respiratory tract infections compared to patients taking REBIF or placebo. In RMS trials, 40% of OCREVUS-treated patients experienced upper respiratory tract infections compared to 33% of REBIF-treated patients, and 8% of OCREVUS-treated patients experienced lower respiratory tract infections compared to 5% of REBIF-treated patients. In the PPMS trial, 49% of OCREVUS-treated patients experienced upper respiratory tract infections compared to 43% of patients on placebo and 10% of OCREVUS-treated patients experienced lower respiratory tract infections compared to 9% of patients on placebo. The infections were predominantly mild to moderate and consisted mostly of upper respiratory tract infections and bronchitis.

For additional safety information, please see pages 16 and 17 and the accompanying full Prescribing Information and Medication Guide.
Important Safety Information, continued

Herpes
In active-controlled (RMS) clinical trials, herpes infections were reported more frequently in OCREVUS-treated patients than in REBIF-treated patients, including herpes zoster (2.1% vs. 1.0%), herpes simplex (0.7% vs. 0.1%), oral herpes (3.0% vs. 2.2%), genital herpes (0.1% vs. 0%), and herpes virus infection (0.1% vs. 0%). Infections were predominantly mild to moderate in severity. In the placebo-controlled (PPMS) clinical trial, oral herpes was reported more frequently in the OCREVUS-treated patients than in the patients on placebo (2.7% vs 0.8%).

Serious cases of infections caused by herpes simplex virus and varicella zoster virus, including central nervous system infections (encephalitis and meningitis), intraocular infections, and disseminated skin and soft tissue infections, have been reported in the postmarketing setting in multiple sclerosis patients receiving OCREVUS. Serious herpes virus infections may occur at any time during treatment with OCREVUS. Some cases were life-threatening.

If serious herpes infections occur, OCREVUS should be discontinued or withheld until the infection has resolved, and appropriate treatment should be administered.

Progressive Multifocal Leukoencephalopathy (PML)
PML is an opportunistic viral infection of the brain caused by the John Cunningham (JC) virus that typically only occurs in patients who are immunocompromised, and that usually leads to death or severe disability. Although no cases of PML were identified in OCREVUS clinical trials, JC virus infection resulting in PML has been observed in patients treated with other anti-CD20 antibodies and other MS therapies and has been associated with some risk factors (e.g., immunocompromised patients, polytherapy with immunosuppressants). At the first sign or symptom suggestive of PML, withhold OCREVUS and perform an appropriate diagnostic evaluation. MRI findings may be apparent before clinical signs or symptoms. Typical symptoms associated with PML are diverse, progress over days to weeks, and include progressive weakness on one side of the body or clumsiness of limbs, disturbance of vision, and changes in thinking, memory, and orientation leading to confusion and personality changes (per USPI).

Hepatitis B Virus (HBV) Reactivation
Hepatitis B reactivation has been reported in MS patients treated with OCREVUS in the postmarketing setting. Fulminant hepatitis, hepatic failure, and death caused by HBV reactivation have occurred in patients treated with anti-CD20 antibodies. Perform HBV screening in all patients before initiation of treatment with OCREVUS. Do not administer OCREVUS to patients with active HBV confirmed by positive results for HBsAg and anti-HB tests. For patients who are negative for surface antigen [HBsAg] and positive for HB core antibody [HBCab+] or are carriers of HBV [HBsAg+], consult liver disease experts before starting and during treatment.

Possible Increased Risk of Immunosuppressant Effects with Other Immunosuppressants
When initiating OCREVUS after an immunosuppressive therapy or initiating an immunosuppressive therapy after OCREVUS, consider the potential for increased immunosuppressive effect. OCREVUS has not been studied in combination with other MS therapies.

Vaccinations
Administer all immunizations according to immunization guidelines at least 4 weeks prior to initiation of OCREVUS for live or live-attenuated vaccines and, whenever possible, at least 2 weeks prior to initiation of OCREVUS for non-live vaccines. OCREVUS may interfere with the effectiveness of non-live vaccines. The safety of immunization with live or live-attenuated vaccines following OCREVUS therapy has not been studied, and vaccination with live-attenuated or live vaccines is not recommended during treatment and until B-cell repletion.

Vaccination of Infants Born to Mothers Treated with OCREVUS During Pregnancy
In infants of mothers exposed to OCREVUS during pregnancy, do not administer live or live-attenuated vaccines before confirming the recovery of B-cell counts as measured by CD19+ B-cells. Depletion of B-cells in these infants may increase the risks from live or live-attenuated vaccines.

For additional safety information, please see pages 15 and 17 and the accompanying full Prescribing Information and Medication Guide.
Important Safety Information, continued

Vaccinations
You may administer non-live vaccines, as indicated, prior to recovery from B-cell depletion, but should consider assessing vaccine immune responses, including consultation with a qualified specialist, to assess whether a protective immune response was mounted.

Reduction in Immunoglobulins
As expected with any B-cell depleting therapy, decreased immunoglobulin levels are observed with OCREVUS treatment. The pooled data of OCREVUS clinical studies (RMS and PPMS) and their open-label extensions (up to approximately 7 years of exposure) have shown an association between decreased levels of immunoglobulin G (IgG<LLN) and increased prolonged hypogammaglobulinemia requires treatment with intravenous immunoglobulins.

Malignancies
An increased risk of malignancy with OCREVUS may exist. In controlled trials, malignancies, including breast cancer, occurred more frequently in OCREVUS-treated patients. Breast cancer occurred in 6 of 781 females treated with OCREVUS and none of 668 females treated with REBIF or placebo. Patients should follow standard breast cancer screening guidelines.

Use in Specific Populations

Pregnancy
Pregnancy Exposure Registry
There is a pregnancy exposure registry that monitors pregnancy and fetal/neonatal/infant outcomes in women exposed to OCREVUS during pregnancy. Physicians are encouraged to register patients and pregnant women are encouraged to register themselves by calling 1-833-872-4370 or visiting www.ocrevuspregnancyregistry.com. There are no adequate data on the developmental risk associated with use of OCREVUS in pregnant women. There are no data on B-cell levels in human neonates following maternal exposure to OCREVUS. However, transient peripheral B-cell depletion and lymphocytopenia have been reported in infants born to mothers exposed to other anti-CD20 antibodies during pregnancy. OCREVUS is a humanized monoclonal antibody of an immunoglobulin G1 subtype and immunoglobulins are known to cross the placental barrier.

Lactation
There are no data on the presence of ocrelizumab in human milk, the effects on the breastfed infant, or the effects of the drug on milk production. Ocrelizumab was excreted in the milk of ocrelizumab-treated monkeys. Human IgG is excreted in human milk, and the potential for absorption of ocrelizumab to lead to B-cell depletion in the infant is unknown. The developmental and health benefits of breastfeeding should be considered along with the mother’s clinical need for OCREVUS and any potential adverse effects on the breastfed infant from OCREVUS or from the underlying maternal condition.

Females and Males of Reproductive Potential
Women of childbearing potential should use effective contraception while receiving OCREVUS and for 6 months after the last infusion of OCREVUS.

Most Common Adverse Reactions
RMS: The most common adverse reactions in RMS trials (incidence ≥10% and >REBIF) were upper respiratory tract infections (40%) and infusion reactions (34%).
PPMS: The most common adverse reactions in PPMS trials (incidence ≥10% and >placebo) were upper respiratory tract infections (49%), infusion reactions (40%), skin infections (14%), and lower respiratory tract infections (10%).

For additional safety information, please see pages 15 and 16 and the accompanying full Prescribing Information and Medication Guide.
OCREVUS® (ocrelizumab) injection, for intravenous use

OCREVUS® (ocrelizumab) injection, for intravenous use

DOSAGE AND ADMINISTRATION

Injection: 300 mg/10 mL (30 mg/mL) in a single-dose vial (3)

Recommended Premedication
- Start dose: 300 mg intravenous infusion, followed two weeks later by a second 300 mg intravenous infusion (2.3)
- Subsequent doses: 600 mg intravenous infusion every 6 months (2.3)

Monitor patients closely during and for at least one hour after infusion (2.3, 2.5)

WARNINGS AND PRECAUTIONS

Infusion Reactions: Management recommendations for infusion reactions depend on the type and severity of the reaction. Permanently discontinue OCREVUS if a life-threatening or disabling infusion reaction occurs (2.3, 5.1)

Infections: Delay OCREVUS administration in patients with an active infection until the infection is resolved. Vaccination with live-attenuated or live vaccines is not recommended during treatment with OCREVUS and after discontinuation, until B-cell repletion (5.2)

Injection: 30 mg/mL in a single-dose vial

To report SUSPECTED ADVERSE REACTIONS, contact Genentech at 1-888-835-2555 or FDA 1-800-FDA-1088 or www.fda.gov/medwatch.

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide. Revised: 12/2020

FULL PRESCRIBING INFORMATION: CONTENTS*

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2 DOSAGE AND ADMINISTRATION
2.1 Assessments Prior to First Dose of OCREVUS
2.2 Preparation Before Every Infusion
2.3 Recommended Dosage and Dose Administration
2.4 Delayed or Missed Doses
2.5 Dose Modifications Because of Infusion Reactions
2.6 Preparation and Storage of the Dilute Solution for Infusion
3 DOSAGE FORMS AND STRENGTHS
4 CONTRAINDICATIONS

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Table 1 Recommended Dose, Infusion Rate, and Infusion Duration for RMS and PPMS

<table>
<thead>
<tr>
<th>Initial Dose (two infusions)</th>
<th>Amount and Volume</th>
<th>Infusion Rate and Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Infusion 1</td>
<td>300 mg in 250 mL</td>
<td>Start at 30 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase by 30 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>every 30 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum: 180 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duration: 2.5 hours longer</td>
</tr>
<tr>
<td>Infusion 2 (2 weeks later)</td>
<td>300 mg in 250 mL</td>
<td>Start at 40 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase by 40 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>every 30 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Maximum: 200 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duration: 3.5 hours longer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 1 Infusion of approximately 3.5 hours duration</th>
<th>Amount and Volume</th>
<th>Infusion Rate and Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 mg in 500 mL</td>
<td></td>
<td>Start at 100 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for the first 15 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase to 200 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for the next 15 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase to 250 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for the next 30 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Increase to 300 mL per hour</td>
</tr>
<tr>
<td></td>
<td></td>
<td>for the remaining 60 minutes</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Duration: 2 hours longer</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Option 2 (If no prior serious infusion reaction with any previous OCREVUS infusion)</th>
<th>Amount and Volume</th>
<th>Infusion Rate and Duration</th>
</tr>
</thead>
<tbody>
<tr>
<td>600 mg in 500 mL</td>
<td></td>
<td>Start at 100 mL per hour</td>
</tr>
<tr>
<td>(for the first 15 minutes)</td>
<td></td>
<td>Increase to 200 mL per hour</td>
</tr>
<tr>
<td>(for the next 15 minutes)</td>
<td></td>
<td>Increase to 250 mL per hour</td>
</tr>
<tr>
<td>(for the next 30 minutes)</td>
<td></td>
<td>Increase to 300 mL per hour</td>
</tr>
<tr>
<td>(for the remaining 60 minutes)</td>
<td></td>
<td>Duration: 2 hours longer</td>
</tr>
</tbody>
</table>

1. Solutions of OCREVUS for intravenous infusion are prepared by dilution of the drug product into an infusion bag containing 0.9% Sodium Chloride Injection, to a final drug concentration of approximately 1.2 mg/mL.
2. Administer the first Subsequent Dose 6 months after infusion 1 of the Initial Dose.
3. Infusion time may take longer if the infusion is interrupted or slowed [see Doseage and Administration (2.3)].
4. [see Adverse Reactions (6.1) and Clinical Studies (14.3)].

2.4 Delayed or Missed Doses

If a planned infusion of OCREVUS is missed, administer OCREVUS as soon as possible; do not wait until the next scheduled dose. Reset the dose schedule to administer the next sequential dose 6 months after the missed dose is administered. Doses of OCREVUS must be separated by at least 5 months [see Dosage and Administration (2.3)].

2.5 Dose Modifications Because of Infusion Reactions

Dose modifications in response to infusion reactions depends on the severity.

Life-threatening Infusion Reactions

Immediately discontinue OCREVUS if there are signs of a life-threatening or disabling infusion reaction [see Warnings and Precautions (5.1)]. Provide appropriate supportive treatment.

Severe Infusion Reactions

Immediately interrupt the infusion and administer appropriate supportive treatment, as necessary [see Warnings and Precautions (5.1)]. Restart the infusion only after all symptoms have resolved. When restarting, begin at half of the infusion rate at the time of onset of the infusion reaction [see Dosage and Administration (2.2)]. If this rate is tolerated, increase the rate as described in Table 1. This change in rate will increase the total duration of the infusion but not the total dose.

Mild to Moderate Infusion Reactions

Reduce the infusion rate to half the rate at the onset of the infusion reaction and maintain the reduced rate for at least 30 minutes [see Warnings and Precautions (5.1)]. If this rate is tolerated, increase the rate as described in Table 1. This change in rate will increase the total duration of the infusion but not the total dose.

2.6 Preparation and Storage of the Dilute Solution for Infusion

Preparation

OCREVUS must be prepared by a healthcare professional using aseptic technique. Visually inspect for particulate matter and discoloration prior to administration. Do not use the solution if discolored or if the solution contains discrete foreign particulate matter. Do not shake. Withdraw intended dose and further dilute into an infusion bag containing 0.9% Sodium Chloride Injection, to a final drug concentration of approximately 1.2 mg/mL.

- Withdraw 10 mL (300 mg) of OCREVUS and inject into 250 mL
- Withdraw 20 mL (600 mg) of OCREVUS and inject into 500 mL

Do not use other diluents to dilute OCREVUS since their use has not been tested. The product contains no preservative and is intended for single use only.

Storage of Infusion Solution

Prior to the start of the intravenous infusion, the content of the infusion bag should be at room temperature.

Use the prepared infusion solution immediately. If not used immediately, store up to 24 hours in the refrigerator at 2°C to 8°C (36°F to 46°F) and 8 hours at room temperature up to 25°C (77°F), which includes infusion time. In the event an intravenous infusion cannot be completed the same day, discard the remaining solution.

No incompatibilities between OCREVUS and polyvinyl chloride (PVC) or polyolefin (PO) bags and intravenous (IV) administration sets have been observed.

Administration

Administer the diluted infusion solution through a dedicated line using an infusion set with a 0.2 or 0.22 micron in-line filter.

3. DOSAGE FORMS AND STRENGTHS

Injection: 300 mg/10 mL (30 mg/mL) clear or slightly opalescent, and colorless to pale brown solution in a single-dose vial.

4. CONTRAINDICATIONS

OCREVUS is contraindicated in patients with:

- Active HBV infection [see Dosage and Administration (2.6)] and Warnings and Precautions (5.1)]
- A history of life-threatening infusion reaction to OCREVUS [see Warnings and Precautions (5.1)]

5. WARNINGS AND PRECAUTIONS

5.1 Infusion Reactions

OCREVUS can cause infusion reactions, which can include pruritus, rash, urticaria, erythema, bronchospasm, throat irritation, oropharyngeal pain, dyspnea, pharyngeal or laryngeal edema, flushing, hypotension, pyrexia, fatigue, headache, dizziness, nausea, tachycardia, and anaphylaxis. In multiple sclerosis (MS) clinical trials, the incidence of infusion reactions in OCREVUS-treated patients (who received methylprednisolone [or an equivalent steroid]) and possibly other pre-medication to reduce the risk of infusion reactions prior to each infusion) was 24 to 40%, with the highest incidence with the first infusion. There were no fatal infusion reactions, but 0.3% of OCREVUS-treated MS patients experienced infusion reactions that were serious, some requiring hospitalization.

Observe patients treated with OCREVUS for infusion reactions during the infusion and for at least one hour after completion of the infusion. Inform patients that infusion reactions can occur up to 24 hours after the infusion.

Reducing the Risk of Infusion Reactions and Managing Infusion Reactions

Administer pre-medication (e.g., methylprednisolone or an equivalent corticosteroid, and an antihistamine) to reduce the frequency and severity of infusion reactions. The addition of an antipyretic (e.g., acetaminophen) may also be considered [see Dosage and Administration (2.3)].

Management recommendations for infusion reactions depend on the type and severity of the reaction [see Dosage and Administration (2.3)]. For life-threatening infusion reactions, immediately and permanently stop OCREVUS and administer appropriate supportive treatment. For less severe infusion reactions, management may involve temporarily stopping the infusion, reducing the infusion rate, and/or administering symptomatic treatment.

5.2 Infections

A higher proportion of OCREVUS-treated patients experienced infections compared to patients taking REBV or placebo. In RMS trials, 58% of OCREVUS-treated patients experienced one or more infections compared to 52% of REBV-treated patients. In the PPMS trial, 70% of OCREVUS-treated patients experienced one or more infections compared to 68% of patients on placebo. OCREVUS increased the risk for upper respiratory tract infections, lower respiratory tract infections, skin infections, and herpes-related infections [see Adverse Reactions (6.1)]. OCREVUS was not associated with an increased risk of serious infections in MS patients.

Delay OCREVUS administration in patients with an active infection until the infection is resolved.

Respiratory Tract Infections

A higher proportion of OCREVUS-treated patients experienced respiratory tract infections compared to patients taking REBV or placebo. In RMS trials, 40% of OCREVUS-treated patients experienced upper respiratory tract infections compared to 33% of REBV-treated patients, and 8% of OCREVUS-treated patients experienced lower respiratory tract infections compared to 5% of REBV-treated patients. In the PPMS trial, 49% of OCREVUS-treated patients experienced upper respiratory tract infections compared to 43% of patients on placebo and 10% of OCREVUS-treated patients experienced lower respiratory tract infections compared to 9% of patients on placebo. The infections were predominantly mild to moderate and consisted mostly of upper respiratory tract infections and bronchitis.

Herpes

In active-controlled (RMS) clinical trials, herpes infections were reported more frequently in OCREVUS-treated patients than in REBV-treated patients, including herpetic zoster (2.1% vs. 1.0%), herpes simplex (0.7% vs. 0.1%), oral herpes (3.0% vs. 2.2%), genital herpes (0.1% vs. 0.0%), and herpes virus infection (0.1% vs. 0.0%). Infections were predominantly mild to moderate in severity.

In the placebo-controlled (PPMS) clinical trial, oral herpes was reported more frequently in the OCREVUS-treated patients than in the patients on placebo (2.7% vs 0.8%).

Serious cases of infections caused by herpes simplex virus and varicella zoster virus, including central nervous system infections (encephalitis and meningitis), intracranial infections, and disseminated skin and soft tissue infections, have been reported in the postmarketing setting in multiple sclerosis.
patients receiving OCREVUS. Serious herpes virus infections may occur at any time during treatment with OCREVUS. Some cases were life-threatening.

If serious herpes infections occur, OCREVUS should be discontinued or withheld until the infection has resolved, and appropriate treatment should be administered [see Patient Counseling Information (17)].

Progressive Multifocal Leukenoencephalopathy (PML)
PML is an opportunistic viral infection of the brain caused by the John Cunningham (JC) virus that typically only occurs in patients who are immunocompromised, and that usually leads to death or severe disability. Although no cases of PML were identified in OCREVUS clinical trials, JC virus infection resulting in PML has been observed in patients treated with other anti-CD20 antibodies and other MS therapies and has been associated with some risk factors (e.g., immunocompromised patients, polytherapy with immunosuppressants). At the first sign or symptom suggestive of PML, withhold OCREVUS and perform an appropriate diagnostic evaluation. MRI findings may be apparent before clinical signs or symptoms. Typical symptoms associated with PML are diverse, progress over days to weeks, and include progressive weakness on one side of the body or clumsiness of limbs, disturbance of vision, and changes in thinking, memory, and orientation leading to confusion and personality changes.

Hepatitis B Virus (HBV) Reactivation
Hepatitis B reactivation has been reported in MS patients treated with OCREVUS in the postmarketing setting. Fulminant hepatitis, hepatic failure, and death caused by HBV reactivation have occurred in patients treated with anti-CD20 antibodies. Perform HBV screening in all patients before initiation of treatment with OCREVUS. Do not administer OCREVUS to patients with active HBV confirmed by positive results for HBsAg and anti-HB tests. For patients who are negative for surface antigen (HBsAg) and positive for HB core antibody (HBcAb+) or are carriers of HBV (HBsAg+), consult liver disease experts before starting and during treatment.

Possible Increased Risk of Immunosuppressive Effects with Other Immunosuppressants
When initiating OCREVUS after an immunosuppressive therapy or initiating an immunosuppressive therapy after OCREVUS, consider the potential for increased immunosuppressive effects [see Drug Interactions (7.2)].

Administer all immunizations according to immunization guidelines at least 4 weeks prior to discontinuation of OCREVUS in patients treated with anti-CD20 antibodies. Perform HBV screening in all patients before initiation of treatment with OCREVUS. Do not administer OCREVUS to patients with active HBV confirmed by positive results for HBsAg and anti-HB tests. For patients who are negative for surface antigen (HBsAg) and positive for HB core antibody (HBcAb+) or are carriers of HBV (HBsAg+), consult liver disease experts before starting and during treatment.

Vaccinations
Administer all immunizations according to immunization guidelines at least 4 weeks prior to initiation of OCREVUS for live or live-attenuated vaccines and, whenever possible, at least 2 weeks prior to initiation of OCREVUS for non-live vaccines.

OCREVUS may interfere with the effectiveness of non-live vaccines [see Drug Interactions (7.2)].

The safety of immunization with live or live-attenuated vaccines following OCREVUS therapy has not been studied, and vaccination with live-attenuated or live vaccines is not recommended during treatment and until B-cell repletion [see Clinical Pharmacology (12.2)].

Vaccination of Infants Born to Mothers Treated with OCREVUS During Pregnancy
In infants of mothers exposed to OCREVUS during pregnancy, do not administer live or live-attenuated vaccines before confirming the recovery of B-cell counts as measured by CD19+ B-cells. Depletion of B-cells in these infants may increase the risks from live or live-attenuated vaccines. You may administer non-live vaccines, as indicated, prior to recovery from B-cell depletion, but should consider assessing vaccine immune responses, including consultation with a qualified specialist, to assess whether a protective immune response was mounted [see Use in Specific Populations (8.1)].

5.3 Reduction in Immunoglobulins
As expected with any B-cell depleting therapy, decreased immunoglobulin levels are observed with OCREVUS treatment. The pooled data of OCREVUS clinical studies (RMS and PPMS) and their open-label extensions (up to approximately 7 years of exposure) have shown an association between decreased levels of immunoglobulin G (IgG<LLN) and increased rates of serious infections. Monitor the levels of quantitative serum immunoglobulins during OCREVUS treatment and after discontinuation of treatment, until B-cell repletion, and especially in the setting of recurrent serious infections. Consider discontinuing OCREVUS therapy in patients with serious opportunistic or recurrent serious infections, and if prolonged hypogammaglobulinemia requires treatment with intravenous immunoglobulins [see Adverse Reactions (6.1)].

5.4 Malignancies
An increased risk of malignancy with OCREVUS may exist. In controlled trials, malignancies, including breast cancer, occurred more frequently in OCREVUS-treated patients. Breast cancer occurred in 6 of 781 females treated with OCREVUS and none of 668 females treated with REBIF or placebo. Patients should follow standard breast cancer screening guidelines.

6 ADVERSE REACTIONS
The following serious adverse reactions are discussed in greater detail in other sections of the labeling:

■ Infusion Reactions [see Warnings and Precautions (5.1)]
■ Infections [see Warnings and Precautions (5.2)]
■ Reduction in Immunoglobulins [see Warnings and Precautions (5.3)]
■ Malignancies [see Warnings and Precautions (5.4)]

6.1 Clinical Trials Experience
Because clinical trials are conducted under widely varying conditions, adverse reaction rates observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of another drug and may not reflect the rates observed in clinical practice.

The safety of OCREVUS has been evaluated in 1311 patients across MS clinical studies, which included 825 patients in active-controlled clinical trials in patients with relapsing forms of MS (RMS) and 486 patients in a placebo-controlled study in patients with primary progressive MS (PPMS).

Adverse Reactions in Patients with Relapsing Forms of MS
In active-controlled clinical trials (Study 1 and Study 2), 825 patients with RMS received OCREVUS 600 mg intravenously every 24 weeks (initial treatment was given as two separate 300 mg infusions at Weeks 0 and 2) [see Clinical Studies (14.1)]. The overall exposure in the 96-week controlled treatment period was 1448 patient-years.

The most common adverse reactions in RMS trials (incidence ≥ 10%) were upper respiratory tract infections and infection reactions. Table 2 summarizes the adverse reactions that occurred in RMS trials (Study 1 and Study 2).

Table 2 Adverse Reactions in Adult Patients with RMS with an Incidence of at least 5% for OCREVUS and Higher than REBIF

<table>
<thead>
<tr>
<th>Adverse Reactions</th>
<th>OCREVUS 600 mg IV Every 24 Weeks1 (n=825)</th>
<th>REBIF 44 mcg SQ 3 Times per Week (n=826)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Upper respiratory tract infections</td>
<td>40%</td>
<td>33%</td>
</tr>
<tr>
<td>Infusion reactions</td>
<td>34%</td>
<td>10%</td>
</tr>
<tr>
<td>Depression</td>
<td>8%</td>
<td>7%</td>
</tr>
<tr>
<td>Lower respiratory tract infections</td>
<td>8%</td>
<td>5%</td>
</tr>
<tr>
<td>Back pain</td>
<td>6%</td>
<td>5%</td>
</tr>
<tr>
<td>Herpes virus-associated infections</td>
<td>6%</td>
<td>4%</td>
</tr>
<tr>
<td>Pain in extremity</td>
<td>5%</td>
<td>4%</td>
</tr>
</tbody>
</table>

1 The first dose was given as two separate 300 mg infusions at Weeks 0 and 2.

Adverse Reactions in Patients with Primary Progressive MS
In a placebo-controlled clinical trial (Study 3), a total of 486 patients with PPMS received one course of OCREVUS (600 mg of OCREVUS administered as two 300 mg infusions two weeks apart) given intravenously every 24 weeks and 239 patients received placebo intravenously [see Clinical Studies (14.2)]. The overall exposure in the controlled treatment period was 1416 patient-years, with median treatment duration of 3 years.

The most common adverse reactions in the PPMS trial (incidence ≥ 10%) were upper respiratory tract infections, inflixation reactions, skin infections, and lower respiratory tract infections. Table 3 summarizes the adverse reactions that occurred in the PPMS trial (Study 3).

Table 3 Adverse Reactions in Adult Patients with PPMS with an Incidence of at least 5% for OCREVUS and Higher than Placebo

| Study 3 |
|-------------------|----------------------------------------|----------------------------------------|
| Upper respiratory tract infections | 49% | 43% |
| Infusion reactions | 40% | 26% |
| Skin infections | 14% | 11% |
| Lower respiratory tract infections | 10% | 9% |
| Cough | 7% | 3% |
| Diarrhea | 6% | 5% |
| Edema peripheral | 6% | 5% |
| Herpes virus-associated infections | 5% | 4% |

One dose of OCREVUS (600 mg administered as two 300 mg infusions two weeks apart)

Adverse Reactions in Patients who Received 2-hour Infusions
Study 4 was designed to characterize the safety profile of OCREVUS infusions administered over 2 hours in patients with Relapsing-Remitting Multiple Sclerosis who did not experience a serious infusion reaction with any previous OCREVUS infusion. In this study, the incidence, intensity, and types of symptoms of infusion reactions were consistent with those of infusions administered over 3.5 hours [see Clinical Studies (14.3)].

Laboratory Abnormalities
Decreased Immunoglobulins
OCREVUS decreased total immunoglobulins with the greatest decline seen in IgM levels; however, a decrease in IgG levels was associated with an increased rate of serious infections.

In the active-controlled (RMS) trials (Study 1 and Study 2), the proportion of patients at baseline reporting IgG, IgA, and IgM below the lower limit of normal (LLN) in OCREVUS-treated patients was 0.5%, 1.5%, and 0.1%, respectively. Following treatment, the proportion of OCREVUS-treated patients reporting IgG, IgA, and IgM below the LLN at 96 weeks was 1.5%, 2.4%, and 16.5%, respectively.
OCREVUS® (ocrelizumab)

In the placebo-controlled (PPMS) trial (Study 3), the proportion of patients at baseline reporting IgG, IgA, and IgM below the LLN in OCREVUS-treated patients was 0.0%, 0.2%, and 0.2%, respectively. Following treatment, the proportion of OCREVUS-treated patients reporting IgG, IgA, and IgM below the LLN at 120 weeks was 1.1%, 0.5%, and 15.5%, respectively.

The pooled data of OCREVUS clinical studies (RMS and PPMS) and their open-label extensions (up to approximately 7 years of exposure) have shown an association between decreased levels of IgG and increased rates of serious infections. The type, severity, latency, duration, and outcome of serious infections observed during episodes of immunoglobulins below LLN were consistent with the overall serious infections observed in patients treated with OCREVUS.

**Decreased Neutrophil Levels**

In the PPMS clinical trial (Study 3), decreased neutrophil counts occurred in 13% of OCREVUS-treated patients compared to 10% in placebo patients. The majority of the decreased neutrophil counts were only observed once for a given patient treated with OCREVUS and were between LLN - 1.5 x 10^9/L and 1.0 x 10^9/L. Overall, 1% of the patients in the OCREVUS group had neutrophil counts less than 1.0 x 10^9/L and these were not associated with an infection.

### 6.2 Immunogenicity

As with all therapeutic proteins, there is potential for immunogenicity. Immunogenicity data are highly dependent on the sensitivity and specificity of the test methods used. Additionally, the observed incidence of a positive result in a test method may be influenced by several factors, including sample handling, timing of sample collection, drug interaction, concomitant medication, and the underlying disease. Therefore, comparison of the incidence of antibodies to OCREVUS with the incidence of antibodies to other products may be misleading.

Patients in MS trials (Study 1, Study 2, and Study 3) were tested at multiple time points (baseline and every 6 months post-treatment for the duration of the trial) for anti-drug antibodies (ADAs). Out of 1311 patients treated with OCREVUS, 12 (~1%) tested positive for ADAs, of which 2 patients tested positive for neutralizing antibodies. These data are not adequate to assess the impact of ADAs on the safety and efficacy of OCREVUS.

### 6.3 Postmarketing Experience

The following adverse reactions have been identified during postapproval use of OCREVUS. Because these reactions are reported voluntarily from a population of uncertain size, it is not always possible to reliably estimate their frequency or establish a causal relationship to drug exposure.

Serious herps infections have been identified during postapproval use of OCREVUS. (see Warnings and Precautions (5.2)).

### 7 DRUG INTERACTIONS

#### 7.1 Immunosuppressive or Immune-Modulating Therapies

The concomitant use of OCREVUS and other immune-modulating or immunosuppressive therapies, including immunosuppressant doses of corticosteroids, is expected to increase the risk of immunosuppression. Consider the risk of additive immuno suppressive effects when coadministering immunosuppressive therapies with OCREVUS. When switching from drugs with prolonged immune suppressive effects, such as daclizumab, fingolimod, natalizumab, teriflunomide, or mitoxantrone, consider the risk of additive immune system effects when coadministering OCREVUS.

#### 7.2 Vaccinations

A Phase 3b randomized, open-label study examined the concomitant use of OCREVUS and several non-live vaccines in adults 18-55 years of age with relapsing forms of MS (68 subjects undergoing treatment with OCREVUS at the time of vaccination and 34 subjects not undergoing treatment with OCREVUS at the time of vaccination). Concomitant exposure to OCREVUS attenuated antibody responses to tetanus toxoid-containing vaccine, pneumococcal polysaccharide, pneumococcal conjugate vaccines, and seasonal inactivated influenza vaccines. The impact of the observed attenuation on vaccine effectiveness in this patient population is unknown. The safety and effectiveness of live or live-attenuated vaccines administered concomitantly with OCREVUS have not been assessed (see Warnings and Precautions (5.2)).

### 8 USE IN SPECIFIC POPULATIONS

#### 8.1 Pregnancy

**Pregnancy Exposure Registry**

There is a pregnancy exposure registry that monitors pregnancy and fetal/neonatal/infant outcomes in women exposed to OCREVUS during pregnancy. Physicians are encouraged to register patients and pregnant women are encouraged to register themselves by calling 1-833-872-4370 or visiting www.ocrevuspregnancyregistry.com.

**Risk Summary**

OCREVUS is a humanized monoclonal antibody of an immunoglobulin G1 subtype and immunoglobulins are known to cross the placental barrier. There are no adequate data on the developmental risk associated with use of OCREVUS in pregnant women. However, transient peripheral B-cell depletion and lymphocytopenia have been reported in infants born to mothers exposed to other anti-CD20 antibodies during pregnancy. B-cell levels in infants following maternal exposure to OCREVUS have not been studied in clinical trials. The potential duration of B-cell depletion in such infants, and the impact of B-cell depletion on vaccine safety and effectiveness, is unknown (see Warnings and Precautions (5.2)).

Following administration of ocrelizumab to pregnant monkeys at doses similar to or greater than those used clinically, increased perinatal mortality, depletion of B-cell populations, renal, bone

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In the U.S. general population, the estimated background risk of major birth defects and miscarriage in clinically recognized pregnancies is 2% to 4% and 15% to 20%, respectively. The background risk of major birth defects and miscarriage for the indicated population is unknown.

**Data Animal Data**

Following intravenous administration of OCREVUS to monkeys during organogenesis (loading doses of 15 or 75 mg/kg on gestation days 20, 21, and 22, followed by weekly doses of 20 or 100 mg/kg), depletion of B-lymphocytes in lymphoid tissue (spleen and lymph nodes) was observed in fetuses at both doses.

Intravenous administration of OCREVUS (three daily loading doses of 15 or 75 mg/kg, followed by weekly doses of 20 or 100 mg/kg) to pregnant monkeys throughout the period of organogenesis and continuing through the neonatal period resulted in perinatal deaths (some associated with bacterial infections), renal toxicity (glomerulopathy and inflammation), lymphoid follicle formation in the bone marrow, and severe decreases in circulating B-lymphocytes in neonates. The cause of the neonatal deaths is uncertain; however, both affected neonates were found to have bacterial infections. Reduced testicular weight was observed in neonates at the high dose.

A no-effect dose for adverse developmental effects was not identified; the doses tested in monkey are 2 and 10 times the recommended human dose of 600 mg, on a mg/kg basis.

### 8.2 Lactation

**Risk Summary**

There are no data on the presence of ocrelizumab in human milk, the effects on the breastfed infant, or the effects of the drug on milk production. Ocrelizumab was excreted in the milk of ocrelizumab-treated monkeys. Human IgG is excreted in human milk, and the potential for absorption of ocrelizumab to lead to B-cell depletion in the infant is unknown. The developmental and health benefits of breastfeeding should be considered along with the mother’s clinical need for OCREVUS and any potential adverse effects on the breastfed infant from OCREVUS or from the underlying maternal condition.

### 8.3 Females and Males of Reproductive Potential

**Contraception**

Women of childbearing potential should use effective contraception while receiving OCREVUS and for 6 months after the last infusion of OCREVUS (see Clinical Pharmacology (12.3)).

### 8.4 Pediatric Use

Safety and effectiveness of OCREVUS in pediatric patients have not been established.

### 8.5 Geriatric Use

Clinical studies of OCREVUS did not include sufficient numbers of subjects aged 65 and over to determine whether they respond differently from younger subjects.

### 11 DESCRIPTION

Ocrelizumab is a recombinant humanized monoclonal antibody directed against CD20-expressing B-cells. Ocrelizumab is a glycosylated immunoglobulin G1 (IgG1) with a molecular mass of approximately 145 kDa.

OCREVUS (ocrelizumab) Injection for intravenous infusion is a preservative-free, sterile, clear or slightly opalescent, and colorless to pale brown solution supplied in single-dose vials. Each mL of solution contains 30 mg ocrelizumab, glacial acetic acid (0.25 mg), polysorbate 20 (0.2 mg), sodium acetate trihydrate (2.14 mg), and trehalose dihydrate (40 mg) at pH 5.3.

### 12 CLINICAL PHARMACOLOGY

#### 12.1 Mechanism of Action

The precise mechanism by which ocrelizumab exerts its therapeutic effects in multiple sclerosis is unknown, but is presumed to involve binding to CD20, a cell surface antigen present on pre-B and mature B lymphocytes. Following cell surface binding to B-lymphocytes, ocrelizumab results in antibody-dependent cellular cytotoxicity and complement-mediated lysis.

#### 12.2 Pharmacodynamics

For B-cell counts, assays for CD19+ B-cells are used because the presence of OCREVUS interferes with the CD20 assay. Treatment with OCREVUS reduces CD19+ B-cell counts in blood by 14 days after infusion. In clinical studies, B-cell counts rose to above the lower limit of normal (LLN) or above baseline counts between infusions of OCREVUS at least once in 0.2% to 4.1% of patients. In a clinical study of 51 patients, the median time for B-cell counts to return to either baseline or LLN was 72 weeks (range 27-175 weeks) after the last OCREVUS infusion. Within 2.5 years after the last infusion, B-cell counts rose to either baseline or LLN in 90% of patients.

#### 12.3 Pharmacokinetics

Pharmacokinetics (PK) of OCREVUS in MS clinical studies fit a two compartment model with time-dependent clearance. The overall exposure at the steady-state (AUC over the 24 week dosing interval) of OCREVUS was 3,510 mcg/mL per day. In clinical studies in MS patients, maintenance doses of ocrelizumab were either 600 mg every 6 months (RMS patients) or 230 mg infusions separated by 14 days every 6 months (PPMS patients). The mean maximum concentration was 212 mcg/mL in patients with RMS (600 mg infusion over 3.5 hours) and 141 mcg/mL in patients
with PPMs (two 300 mg infusions over 2.5 hours administered within two weeks). The mean maximum peak concentrations \( C_{\text{max}} \) of ocrelizumab in patients with relapsing-remitting multiple sclerosis (RRMS) observed after the 3.5-hour infusion and 2-hour infusion were 222 ± 42 (mean ± SD) and 200 ± 46 mcg/mL, respectively, compared to the previously reported \( C_{\text{max}} \) of 212 mcg/mL. The pharmacokinetics of ocrelizumab was essentially linear and dose proportional between 400 mg and 2000 mg.

### Distribution

The population PK estimate of the central volume of distribution was 2.78 L. Peripheral volume and inter-compartmental clearance were estimated at 2.68 L and 0.29 L/day, respectively.

### Elimination

Constant clearance was estimated at 0.17 L/day, and initial time-dependent clearance at 0.05 L/day, which declined with a half-life of 33 weeks. The terminal elimination half-life was 26 days.

### Metabolism

The metabolism of OCREVUS has not been directly studied because antibodies are cleared principally by catabolism.

#### Specific Populations

**Renal impairment**

Patients with mild renal impairment were included in clinical trials. No significant change in the pharmacokinetics of OCREVUS was observed in those patients.

**Hepatic impairment**

Patients with mild hepatic impairment were included in clinical trials. No significant change in the pharmacokinetics of OCREVUS was observed in those patients.

### 13 NONCLINICAL TOXICOLOGY

#### 13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

No carcinogenicity studies have been performed to assess the carcinogenic potential of OCREVUS. No studies have been performed to assess the mutagenic potential of OCREVUS. As an antibody, OCREVUS is not expected to interact directly with DNA.

No effects on reproductive organs were observed in male monkeys administered ocrelizumab by intravenous injection (three loading doses of 15 or 75 mg/kg, followed by weekly doses of 20 or 100 mg/kg) for 8 weeks. There were also no effects on estrus cycle in female monkeys administered ocrelizumab over three menstrual cycles using the same dosing regimen. The doses tested in monkey are 2 and 10 times the recommended human dose of 600 mg, on a mg/kg basis.

### 14 CLINICAL STUDIES

#### 14.1 Relapsing Forms of Multiple Sclerosis (RMS)

The efficacy of OCREVUS was demonstrated in two randomized, double-blind, double-dummy, active comparator-controlled clinical trials of identical design, in patients with RMS treated for 96 weeks (Study 1 and Study 2). The dose of OCREVUS was 600 mg every 24 weeks (initial treatment was given as two 300 mg IV infusions administered 2 weeks apart, and subsequent doses were administered as a single 600 mg IV infusion) and placebo subcutaneous injections were given 3 times per week. The dose of REBIF, the active comparator, was 44 mcg given as subcutaneous injections 3 times per week and placebo IV infusions were given every 24 weeks. Both studies included patients who had experienced at least one relapse within the prior year, or two relapses within the prior two years, and had an Expanded Disability Status Scale (EDSS) score from 0 to 5.5. Patients with primary progressive forms of multiple sclerosis (MS) were excluded. Neurological evaluations were performed every 12 weeks and at the time of a suspected relapse. Brain MRIs were performed at baseline and at Weeks 24, 48, and 96.

The primary outcome of both Study 1 and Study 2 was the annualized relapse rate (ARR). Additional outcome measures included the proportion of patients with confirmed disability progression, the mean number of MRI T1 gadolinium (Gd)-enhancing lesions at Weeks 24, 48, and 96, and new or enlarging MRI T2 hyperintense lesions. Proportion of disability was defined as an increase of 1 point or more from the baseline EDSS score attributable to MS when the baseline EDSS score was 5.5 or less, or 0.5 points or more when the baseline EDSS score was above 5.5. Disability progression was considered confirmed when the increase in the EDSS was confirmed at a regularly scheduled visit 2 weeks after the initial documentation of neurological worsening. The primary population for analysis of confirmed disability progression was the pooled population from Studies 1 and 2.

In Study 1, 410 patients were randomized to OCREVUS and 411 to REBIF; 11% of OCREVUS-treated and 17% of REBIF-treated patients did not complete the 96-week double-blind treatment period. The baseline demographic and disease characteristics were balanced between the two treatment groups. At baseline, the mean age of patients was 37 years, 66% were female. The mean time from MS diagnosis to randomization was 3.8 years, the mean number of relapses in the previous year was 1.3, and the mean EDSS score was 2.8; 74% of patients had not been treated with a non-stereoidal therapy for MS in the 2 years prior to the study. At baseline, 40% of patients had one or more T1 Gd-enhancing lesions (mean 1.8).

In Study 2, 417 patients were randomized to OCREVUS and 418 to REBIF; 14% of OCREVUS-treated and 23% of REBIF-treated patients did not complete the 96-week double-blind treatment period. The baseline demographic and disease characteristics were balanced between the two treatment groups. At baseline, the mean age of patients was 37 years, 66% were female. The mean time from MS diagnosis to randomization was 4.1 years, the mean number of relapses in the previous year was 1.3, and the mean EDSS score was 2.8; 74% of patients had not been treated with a non-stereoidal therapy for MS in the 2 years prior to the study. At baseline, 40% of OCREVUS-treated patients had one or more T1 Gd-enhancing lesions (mean 1.9).

#### In exploratory subgroup analyses of Study 1 and Study 2, the effect of OCREVUS on annualized relapse rate and disability progression was similar in male and female patients.

#### 14.2 Primary Progressive Multiple Sclerosis (PPMS)

Study 3 was a randomized, double-blind, placebo-controlled clinical trial in patients with PPMS. Patients were randomized 2:1 to receive either OCREVUS 600 mg or placebo as two 300 mg intravenous infusions 2 weeks apart every 24 weeks for at least 120 weeks. Selection criteria required a baseline EDSS of 6.0 to 6.5 and a score of 2 or greater for the EDSS pyramidal functional system due to lower extremity findings. Neurological assessments were conducted every 12 weeks. An MRI scan was obtained at baseline and at Weeks 24, 48, and 120.

In Study 3, the primary outcome was the time to onset of disability progression attributable to MS confirmed to be present at the next neurological assessment at least 12 weeks later. Disability progression occurred when the EDSS score increased by 1 point or more from the baseline EDSS if the baseline EDSS was 5.5 points or less, or by 0.5 points or more if the baseline EDSS was more than 5.5 points. In Study 3, confirmed disability progression also was deemed to have occurred if patients who had onset of disability progression discontinued participation in the study before the next assessment. Additional outcome measures included time to 25-foot walk, and percentage change in 12 hyperintense lesion volume.

Study 3 randomized 488 patients to OCREVUS and 244 to placebo; 21% of OCREVUS-treated patients and 34% of placebo-treated patients did not complete the trial. The baseline demographic and disease characteristics were balanced between the two treatment groups. At baseline, the mean

### Table 4 Key Clinical and MRI Endpoints in RMS Patients from Study 1 and Study 2

<table>
<thead>
<tr>
<th>Endpoints</th>
<th>Study 1</th>
<th></th>
<th>Study 2</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clinical Endpoints</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Annualized Relapse Rate (Primary Endpoint)</td>
<td>0.156</td>
<td>0.292</td>
<td>0.155</td>
</tr>
<tr>
<td>Relative Reduction</td>
<td>46% <em>(p&lt;0.0001)</em></td>
<td>47% <em>(p&lt;0.0001)</em></td>
<td></td>
</tr>
<tr>
<td>Proportion Relapse-free</td>
<td>83%</td>
<td>71%</td>
<td>82%</td>
</tr>
<tr>
<td><strong>Proportion of Patients with 12-week Confirmed Disability Progression</strong></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Risk Reduction (Pooled Analysis)</td>
<td>9.8% OCREVUS vs 15.2% REBIF</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
age of patients was 45; 49% were female. The mean time since symptom onset was 6.7 years, the mean EDSS score was 4.7, and 26% had one or more T1 Gd-enhancing lesions at baseline; 88% of patients had not been treated previously with a non-steroid treatment for MS. The time to onset of disability progression confirmed at 12 weeks after onset was significantly longer for OCREVUS-treated patients than for placebo-treated patients (see Figure 2). Results for Study 3 are presented in Table 5 and Figure 2.

Table 5 Key Clinical and MRI Endpoints in PPMS patients for Study 3

<table>
<thead>
<tr>
<th>Endpoints</th>
<th>Study 3</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>OCREVUS (two 300 mg infusions every 24 weeks)</strong></td>
<td><strong>Placebo</strong></td>
</tr>
<tr>
<td>N=488</td>
<td>N=244</td>
</tr>
<tr>
<td><strong>Clinical Outcomes</strong></td>
<td></td>
</tr>
<tr>
<td>Proportion of patients with 12-week Confirmed Disability Progression</td>
<td>32.9%</td>
</tr>
<tr>
<td>Risk reduction</td>
<td>24%; p=0.0321</td>
</tr>
<tr>
<td><strong>MRI Endpoints</strong></td>
<td></td>
</tr>
<tr>
<td>Mean change in volume of T2 lesions, from baseline to Week 120 (cm³)</td>
<td>-0.39</td>
</tr>
<tr>
<td>p&lt;0.0001</td>
<td></td>
</tr>
</tbody>
</table>

*Defined as an increase of 1.0 point or more from the baseline EDSS score for patients with baseline score of 5.5 or less, or an increase of 0.5 or more when the baseline score is more than 5.5.

The primary endpoint of the substudy was the proportion of patients with infusion reactions occurring during or within 24 hours following the first randomized infusion of OCREVUS. The primary analysis was performed when 580 patients were randomized, at which time 469/579 (81%) of the treated patients had received only a single randomized infusion of OCREVUS. The proportions of patients with infusion reactions occurring during or within 24 hours following the first randomized infusion in this substudy were similar between the 2-hour and 3.5-hour infusion groups (24.4% versus 23.3%, respectively). Overall, in all randomized doses, 27.1% of the patients in the 2-hour infusion group and 25.0% of the patients in the 3.5-hour infusion group reported mild or moderate infusion reactions; two infusion reactions were severe in intensity, with one severe infusion reaction (0.3%) reported in one patient in each group in this substudy [see Warnings and Precautions (5.1)]. There were no life-threatening, fatal, or serious infusion reactions in this substudy.

16 HOW SUPPLIED/STORAGE AND HANDLING

OCREVUS (ocrelizumab) injection is a preservative-free, sterile, clear or slightly opalescent, and colorless to pale brown solution supplied as a carton containing one 300 mg/10 mL (30 mg/mL) single-dose vial (NDC 50242-150-01).

Store OCREVUS vials at 2°C to 8°C (36°F to 46°F) in the outer carton to protect from light. Do not freeze or shake.

17 PATIENT COUNSELING INFORMATION

Advise the patient to read the FDA-approved patient labeling (Medication Guide).

**Infusion Reactions**

Inform patients about the signs and symptoms of infusion reactions, and that infusion reactions can occur up to 24 hours after infusion. Advise patients to contact their healthcare provider immediately for signs or symptoms of infusion reactions [see Warnings and Precautions (5.1)].

**Infection**

Advise patients to contact their healthcare provider for any signs of infection during treatment or after the last dose [see Clinical Pharmacology (12.2)]. Signs include fever, chills, constant cough, or signs of herpes such as cold sore, shingles, or genital sores [see Warnings and Precautions (5.2)].

Advise patients that PML has happened with drugs that are similar to OCREVUS and may happen with OCREVUS. Inform the patient that PML is characterized by a progression of deficits and usually leads to death or severe disability over weeks or months. Instruct the patient of the importance of contacting their doctor if they develop any symptoms suggestive of PML. Inform the patient that typical symptoms associated with PML are diverse, progress over days to weeks, and include progressive weakness on one side of the body or clumsiness of limbs, disturbance of vision, and changes in thinking, memory, and orientation leading to confusion and personality changes [see Warnings and Precautions (5.2)].

Advise patients that OCREVUS may cause reactivation of hepatitis B infection and that monitoring will be required if they are at risk [see Warnings and Precautions (5.2)].

Advise patients that herpes infections, including serious herpes infections affecting the central nervous system, skin, and eyes, have occurred during treatment with OCREVUS. Advise patients to promptly contact their healthcare provider if they experience any signs or symptoms of herpes infections including oral or genital symptoms, fever, skin rash, pain, itching, decreased visual acuity, eye redness, eye pain, headache, neck stiffness, or change in mental status [see Warnings and Precautions (5.2)].

**Vaccination**

Advise patients to complete any required live or live-attenuated vaccinations at least 4 weeks and, whenever possible, non-live vaccinations at least 2 weeks prior to initiation of OCREVUS. Administration of live-attenuated or live vaccines is not recommended during OCREVUS treatment and until B-cell recovery [see Warnings and Precautions (5.2)].

**Malignancies**

Advise patients that an increased risk of malignancy, including breast cancer, may exist with OCREVUS. Advise patients that they should follow standard breast cancer screening guidelines [see Warnings and Precautions (5.4)].

**Contraception**

Females of childbearing potential should use effective contraception while receiving OCREVUS and until B-cell recovery [see Warnings and Precautions (5.2)].

**Pregnancy Registry**

Instruct patients that if they are pregnant or plan to become pregnant while taking OCREVUS they should inform their healthcare provider [see Use in Specific Populations (8.1)].

Encourage patients to enroll in the OCREVUS Pregnancy Registry if they become pregnant while taking OCREVUS [see Use in Specific Populations (8.1)].
Infection:
• stiff neck
• eye redness or eye pain
• confusion
• severe or persistent headache

Signs of a more serious herpes infection include:
• itching
• skin rash
• shingles
• pain
• genital sores
• cold sores

° OCREVUS increases your risk of getting upper respiratory tract infections, lower respiratory tract infections, skin infections, and herpes infections. Infections are a common side effect, which can be serious. Tell your healthcare provider if you have an infection or have any of the following signs of infection including fever, chills, or a cough that does not go away. Signs of herpes infection include:
• cold sores
• genital sores
• pain
• shingles
• skin rash
• itching

Signs of a more serious herpes infection include:
• changes in vision
• severe or persistent headache
• confusion
• eye redness or eye pain
• stiff neck

See “What are the possible side effects of OCREVUS?” for more information about side effects.

What is OCREVUS?
OCREVUS is a prescription medicine used to treat:
• relapsing forms of multiple sclerosis (MS), to include clinically isolated syndrome, relapsing-remitting disease, and active secondary progressive disease, in adults.
• primary progressive MS, in adults.

It is not known if OCREVUS is safe and effective in children.

Who should not receive OCREVUS?
• Do not receive OCREVUS if you have an active hepatitis B virus (HBV) infection.
• Do not receive OCREVUS if you have had a life-threatening allergic reaction to OCREVUS. Tell your healthcare provider if you have had an allergic reaction to OCREVUS or any of its ingredients in the past. See “What are the ingredients in OCREVUS?” for a complete list of ingredients in OCREVUS.

Before receiving OCREVUS, tell your healthcare provider about all of your medical conditions, including if you:
• have or think you have an infection. See “What is the most important information I should know about OCREVUS?”
• have ever taken, take, or plan to take medicines that affect your immune system, or other treatments for MS. These medicines could increase your risk of getting an infection.
• have ever had hepatitis B or are a carrier of the hepatitis B virus.
• have had a recent vaccination or are scheduled to receive any vaccinations.
• You should receive any required ‘live’ or ‘live-attenuated’ vaccines at least 4 weeks before you start treatment with OCREVUS. You should not receive ‘live’ or ‘live-attenuated’ vaccines while you are being treated with OCREVUS and until your healthcare provider tells you that your immune system is no longer weakened.
When possible, you should receive any ‘non-live’ vaccines at least 2 weeks before you start treatment with OCREVUS. If you would like to receive any non-live (inactivated) vaccines, including the seasonal flu vaccine, while you are being treated with OCREVUS, talk to your healthcare provider.

If you have a baby and you received OCREVUS during your pregnancy, it is important to tell your baby’s healthcare provider about receiving OCREVUS so they can decide when your baby should be vaccinated.

- are pregnant, think that you might be pregnant, or plan to become pregnant. It is not known if OCREVUS will harm your unborn baby. You should use birth control (contraception) during treatment with OCREVUS and for 6 months after your last infusion of OCREVUS. Talk with your healthcare provider about what birth control method is right for you during this time.
- Pregnancy Registry. There is a pregnancy registry for women who take OCREVUS during pregnancy. If you become pregnant while receiving OCREVUS, tell your healthcare provider right away. Talk to your healthcare provider about registering with the OCREVUS Pregnancy Registry. The purpose of this registry is to collect information about your health and your baby's health. Your healthcare provider can enroll you in this registry by calling 1-833-872-4370 or visiting www.ocrevuspregnancyregistry.com.

- are breastfeeding or plan to breastfeed. It is not known if OCREVUS passes into your breast milk. Talk to your healthcare provider about the best way to feed your baby if you take OCREVUS.

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

How will I receive OCREVUS?
- OCREVUS is given through a needle placed in your vein (intravenous infusion) in your arm.
- Before treatment with OCREVUS, your healthcare provider will give you a corticosteroid medicine and an antihistamine to help reduce infusion reactions (make them less frequent and less severe). You may also receive other medicines to help reduce infusion reactions. See "What is the most important information I should know about OCREVUS?"
- Your first full dose of OCREVUS will be given as 2 separate infusions, 2 weeks apart. Each infusion will last about 2 hours and 30 minutes.
- Your next doses of OCREVUS will be given as 1 infusion every 6 months. These infusions will last about 2 hours to 3 hours and 30 minutes depending on the infusion rate prescribed by your healthcare provider.

What are the possible side effects of OCREVUS?
- OCREVUS may cause serious side effects, including:
  - see "What is the most important information I should know about OCREVUS?"
  - risk of cancers (malignancies) including breast cancer. Follow your healthcare provider’s instructions about standard screening guidelines for breast cancer.

These are not all the possible side effects of OCREVUS.

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