SIMPONI® (golimumab)

----------DOSE FORMS AND STRENGTHS----------

Injection (3):
- 50 mg/0.5 mL in a single-dose prefilled syringe or single-dose prefilled SmartJect® autoinjector
- 100 mg/mL in a single-dose prefilled syringe or single-dose prefilled SmartJect® autoinjector

----------CONTRAINDICATIONS----------

None (4)

----------WARNINGS AND PRECAUTIONS----------

- Serious Infections: Do not start SIMPONI during an active infection. If an infection develops, monitor carefully, and stop SIMPONI if infection becomes serious (5.1).
- Invasive Fungal Infections: For patients who develop a systemic illness on SIMPONI, consider empiric antifungal therapy for those who reside in or travel to regions where mycoses are endemic (5.1).
- Hepatitis B Reactivation: Monitor HBV carriers during and several months after therapy. If reactivation occurs, stop SIMPONI and begin antiviral therapy (5.1).
- Malignancies: Incidence of lymphoma was greater than in the general U.S. population. Cases of other malignancies have been observed among patients receiving TNF blockers (5.2).
- Congestive Heart Failure: Worsening, or new onset, may occur. Stop SIMPONI if new or worsening symptoms occur (5.3).
- Demyelinating Disorders: Exacerbation or new onset may occur (5.4).
- Lupus-like Syndrome: Discontinue SIMPONI if symptoms develop (5.5).
- Hypersensitivity Reactions: Serious systemic hypersensitivity reactions including anaphylaxis may occur (5.11).

----------ADVERSE REACTIONS----------

Most common adverse reactions (incidence > 5%) are upper respiratory tract infection, nasopharyngitis, injection site reactions (6.1).

To report SUSPECTED ADVERSE REACTIONS, contact Janssen Biotech, Inc. at 1-800-JANSSEN (1-800-526-7736) or FDA at 1-800-FDA-1088 or www.fda.gov/medwatch.

----------DRUG INTERACTIONS----------

- Abatacept: Increased risk of serious infection (5.1, 5.6, 7.2)
- Anakinra: Increased risk of serious infection (5.1, 5.7, 7.2)
- Live vaccines/therapeutic infectious agents: Avoid use with SIMPONI (5.10, 7.3).

See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.

Revised: 09/2019

FULL PRESCRIBING INFORMATION: CONTENTS*

WARNING: SERIOUS INFECTIONS AND MALIGNANCY

SECTION 1 INDICATIONS AND USAGE
1.1 Rheumatoid Arthritis
1.2 Psoriatic Arthritis
1.3 Ankylosing Spondylitis
1.4 Ulcerative Colitis

SECTION 2 DOSAGE AND ADMINISTRATION
2.1 Dosage in Rheumatoid Arthritis
2.2 Dosage in Psoriatic Arthritis
2.3 Monitoring to Assess Safety

SECTION 3 DOSAGE FORMS AND STRENGTHS

SECTION 4 CONTRAINDICATIONS

SECTION 5 WARNINGS AND PRECAUTIONS
5.1 Serious Infections
5.2 Malignancies
5.3 Congestive Heart Failure
5.4 Demyelinating Disorders
5.5 Autoimmunity
5.6 Use with Abatacept
5.7 Use with Anakinra
5.8 Switching Between Biological Disease-Modifying Antirheumatic Drugs
5.9 Hematologic Cytopenias
5.10 Vaccinations/Therapeutic Infectious Agents
5.11 Hypersensitivity Reactions

SECTION 6 ADVERSE REACTIONS
6.1 Clinical Trials Experience
6.2 Immunogenicity
6.3 Postmarketing Experience

SECTION 7 DRUG INTERACTIONS
7.1 Methotrexate
7.2 Biological Products for RA, PsA, and/or AS
7.3 Live Vaccines/Therapeutic Infectious Agents
7.4 Cytochrome P450 Substrates

SECTION 8 USE IN SPECIFIC POPULATIONS
8.1 Pregnancy
8.2 Lactation
8.3 Pediatric Use
8.4 Geriatric Use

SECTION 10 OVERDOSAGE

SECTION 11 DESCRIPTION

SECTION 12 CLINICAL PHARMACOLOGY
12.1 Mechanism of Action
12.2 Pharmacodynamics
12.3 Pharmacokinetics

SECTION 13 NONCLINICAL TOXICOLOGY
13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility

SECTION 14 CLINICAL STUDIES
14.1 Rheumatoid Arthritis
14.2 Psoriatic Arthritis
14.3 Ankylosing Spondylitis
14.4 Ulcerative Colitis

SECTION 15 REFERENCES

SECTION 16 HOW SUPPLIED/STORAGE AND HANDLING

SECTION 17 PATIENT COUNSELING INFORMATION

*Sections or subsections omitted from the full prescribing information are not listed.
2.4 Important Administration Instructions
SIMPONI is intended for use under the guidance and supervision of a healthcare provider. After proper training in subcutaneous injection technique, a patient may self-inject with SIMPONI if a physician determines that it is appropriate. Instruct patients to follow the directions provided below [see Instructions for Use]:

• To ensure proper use, allow the prefilled syringe or autoinjector to sit at room temperature outside the carton for at least 30 minutes prior to subcutaneous injection. Do not warm SIMPONI in any other way.
• Prior to administration, visually inspect the solution for particles and discoloration through the viewing window. SIMPONI is clear to slightly opalescent and colorless to light yellow. Do not use SIMPONI, if the solution is discolored, or cloudy, or if foreign particles are present.
• Do not use any leftover product remaining in the prefilled syringe or prefilled autoinjector.
• Instruct patients sensitive to latex not to handle the needle cover on the prefilled syringe or the needle cover of the prefilled autoinjector cap because it contains dry natural rubber (a derivative of latex).
• At the time of dosing, if multiple injections are required, administer the injections at different sites on the body.
• Rotate injection sites and never give injections into areas where the skin is tender, bruised, red, or hard.

3 DOSAGE FORMS AND STRENGTHS
Injection: 50 mg/mL and 100 mg/mL clear to slightly opalescent, colorless to light yellow solution in a single-dose prefilled syringe or single-dose SmartLect autoinjector.

4 CONTRAINDICATIONS
None.

5 WARNINGS AND PRECAUTIONS
5.1 Serious Infections
Patients treated with SIMPONI are at increased risk for developing serious infections involving various organ systems and sites that may lead to hospitalization or death. Opportunistic infections due to bacterial, mycobacterial, invasive fungal, viral, or parasitic organisms including aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, histoplasmosis, legionellosis, listeriosis, pneumocystosis, and tuberculosis have been reported with TNF blockers. Patients have frequently presented with disseminated rather than localized disease. The concomitant use of a TNF blocker and abatacept or anakinra was associated with a higher risk of serious infections; therefore, the concomitant use of SIMPONI and these biologic products is not recommended [see Warnings and Precautions (5.6, 5.7) and Drug Interactions (7.2)].

Treatment with SIMPONI should not be initiated in patients with an active infection, including clinically important localized infections. Patients greater than 65 years of age, patients with co-morbid conditions and/or patients taking concomitant immunosuppressants such as corticosteroids or methotrexate may be at greater risk of infection. Consider the risks and benefits of treatment prior to initiating SIMPONI in patients:

• with chronic or recurrent infection;
• who have been exposed to tuberculosis;
• with a history of an opportunistic infection;
• who have resided or traveled in areas of endemic tuberculosis or endemic mycoses, such as histoplasmosis, coccidioidomycosis, or blastomycosis;
• with underlying conditions that may predispose them to infection.

Monitoring
Closely monitor patients for the development of signs and symptoms of infection during and after treatment with SIMPONI. Discontinue SIMPONI if a patient develops a serious infection, an opportunistic infection, or sepsis. For a patient who develops a new infection during treatment with SIMPONI, perform a prompt and complete diagnostic workup appropriate for an immunocompromised patient, initiate appropriate antimicrobial therapy, and closely monitor them.

Serious Infection in Clinical Trials
In controlled Phase 3 trials through Week 16 in patients with RA, PsA, and AS, serious infections were observed in 1.4% of SIMPONI-treated patients and 1.3% of control-treated patients. In the controlled Phase 3 trials through Week 16 in patients with RA, PsA, and AS, the incidence of serious infections per 100 patient-years of follow-up was 5.7 (95% CI: 3.8, 8.2) for the SIMPONI group and 4.2 (95% CI: 1.8, 8.2) for the placebo group. In the controlled Phase 2/3 trial through Week 8 of SIMPONI induction in UC, the incidence of serious infections in SIMPONI 200/100 mg-treated patients was similar to the incidence of serious infections in placebo-treated patients. Through Week 80, the incidence of serious infections was similar in patients who received SIMPONI induction and 100 mg during maintenance compared with patients who received SIMPONI induction and placebo during the maintenance portion of the UC trial. Serious infections observed in SIMPONI-treated patients included pneumonia, pneumocystis, shingles, cellulitis, abscess, tuberculosis, invasive fungal infection, and hepatitis B infection.
Tuberculosis

Cases of reactivation of tuberculosis or new tuberculosis infections have been observed in patients receiving TNF blockers, including patients who have previously been vaccinated with Bacille Calmette-Guerin (BCG). Consider anti-tuberculosis therapy prior to initiation of SIMPONI in patients with a past history of latent or active tuberculosis in whom an adequate course of treatment cannot be confirmed, and for patients with a negative test for latent tuberculosis but having risk factors for tuberculosis infection. Consultation with a physician with expertise in the treatment of tuberculosis is recommended to aid in the decision whether initiating anti-tuberculosis therapy is appropriate for an individual patient.

Cases of active tuberculosis have occurred in patients treated with SIMPONI during and after treatment for latent tuberculosis. Monitor patients for the development of signs and symptoms of tuberculosis including patients who tested negative for latent tuberculosis infection prior to initiating therapy, patients who are on treatment for latent tuberculosis, or patients who were previously treated for tuberculosis infection.

Consider tuberculosis in the differential diagnosis in patients who develop a new infection during SIMPONI treatment, especially in patients who have previously or recently traveled to countries with a high prevalence of tuberculosis, or who have had close contact with a person with active tuberculosis.

In the controlled and uncontrolled portions of the Phase 2 RA and Phase 3 RA, PsA, and AS trials, the incidence of active TB was 0.23 and 0 per 100 patient-years in 2347 SIMPONI-treated patients and 674 placebo-treated patients, respectively. Cases of TB included pulmonary and extrapulmonary TB. The overwhelming majority of the TB cases occurred in countries with a high incidence rate of TB. In the controlled Phase 2/3 trial of SIMPONI induction through Week 6 in UC, no cases of TB were observed in SIMPONI 200/100 mg-treated patients or in placebo-treated patients. Through Week 60, the incidence per 100 patient-years of TB in patients who received SIMPONI induction and 100 mg during the maintenance portion of the UC trial was 0.52 (95% CI: 0.38, 0.73) (95% CI: 0.00, 0.09). In the placebo maintenance group in a patient who received SIMPONI intravenous (IV) induction.

Invasive Fungal Infections

If patients develop a serious systemic illness and they reside or travel in regions where mycoses are endemic, consider invasive fungal infection in the differential diagnosis. Consider appropriate empiric antifungal therapy, and take into account both the risk for severe fungal infection and the risks of antifungal therapy when a diagnostic workup is being performed. Antigen and antibody testing for histoplasmosis may be negative in some patients with active infection. To aid in the management of such patients, consider consultation with a physician with expertise in the diagnosis and treatment of invasive fungal infections.

Hepatitis B Virus Reactivation

The use of TNF blockers including SIMPONI has been associated with reactivation of hepatitis B virus (HBV) in patients who are chronic hepatitis B carriers (i.e., surface antigen positive). In some instances, HBV reactivation occurring in conjunction with TNF blocker therapy has been fatal. The majority of these reports have occurred in patients who received concomitant immunosuppressants.

All patients should be tested for HBV infection before initiating TNF-blocker therapy. For patients who test positive for hepatitis B surface antigen, consultation with a physician with expertise in the treatment of hepatitis B is recommended before initiating TNF-blocker therapy. The risks and benefits of treatment should be considered prior to prescribing TNF blockers, including SIMPONI, to patients who are carriers of HBV. Adequate data are not available on whether antiviral therapy can reduce the risk of HBV reactivation in HBV carriers who are treated with TNF blockers. Patients who are carriers of HBV and require treatment with TNF blockers should be closely monitored for clinical and laboratory signs of active HBV infection throughout therapy and for several months following therapy.

In patients who develop HBV reactivation, TNF blockers should be stopped and antiviral therapy with appropriate supportive treatment should be initiated. The safety of resuming TNF blockers after HBV reactivation has been controlled is not known. Therefore, prescribers should exercise caution when considering resumption of TNF blockers in this situation and monitor patients closely.

5.2 Malignancies

Malignancies, some fatal, have been reported among children, adolescents, and young adults who received treatment with TNF-blocking agents (initiation of therapy ≤ 18 years of age), of which SIMPONI is a member. Approximately half the cases were lymphomas, including Hodgkin's and non-Hodgkin's lymphoma. The other cases represented a variety of malignancies, including rare malignancies that are usually associated with immunosuppression, and malignancies that are not usually observed in children and adolescents. The malignancies occurred after a median of 20 months (range 1 to 154 months) of TNF-blocker therapy. Most of the patients were receiving concomitant immunosuppressants. These cases were reported postmarketing and are derived from a variety of sources, including registries and spontaneous postmarketing reports.

The risks and benefits of TNF-blocker treatment, including SIMPONI, should be considered prior to initiating therapy in patients with a known malignancy other than a successfully treated nonmelanoma skin cancer (NMSC) or when considering continuing a TNF-blocker in patients who develop a malignancy. In the controlled portions of clinical trials of TNF blockers, including SIMPONI, more cases of lymphoma have been observed among patients receiving anti-TNF treatment compared with patients in the control groups. During the controlled portions of the Phase 2 trials in RA, and the Phase 3 trials in RA, PsA and AS, the incidence of lymphoma per 100 patient-years of follow-up was 0.21 (95% CI: 0.03, 0.77) in the combined SIMPONI group compared with an incidence of 0 (95% CI: 0, 0.96) in the placebo group. In the controlled and uncontrolled portions of these clinical trials in 2347 SIMPONI-treated patients with a median follow-up of 1.4 years, the incidence of lymphoma was 3.9-fold higher than expected in the general U.S. population according to the SEER database (adjusted for age, gender, and race). Through Week 60 of the UC trials, there were no cases of lymphoma with SIMPONI. Patients with RA and other chronic inflammatory diseases, particularly patients with highly active disease and/or chronic exposure to immunosuppressant therapies, may be at higher risk (up to several fold) for several particular malignancies, even in the absence of TNF-blocking therapy. Cases of acute and chronic leukemia have been reported with TNF-blocker use, including SIMPONI, in rheumatoid arthritis and other indications. Even in the absence of TNF-blocker therapy, patients with rheumatoid arthritis may be at a higher risk (approximately 2-fold) than the general population for the development of leukemia or lymphoma.

Rare postmarketing cases of hematopoietic T-cell lymphoma (HSTCL) have been reported in patients treated with TNF-blocking agents. This rare type of T-cell lymphoma has a very aggressive disease course and is usually fatal. Nearly all of the reported TNF blocker associated cases have occurred in patients with Crohn’s disease or ulcerative colitis. The majority were in adolescent and young adult males. Almost all these patients had received treatment with azathioprine (AZA) or 6-mercaptopurine (6–MP) concomitantly with a TNF blocker at or prior to diagnosis. The potential risk with the combination of AZA or 6-MP and SIMPONI should be carefully considered. A risk for the development for hematopoietic T-cell lymphoma in patients treated with TNF blockers cannot be excluded.

During the controlled portions of the Phase 2 trial in RA, and the Phase 3 trials in RA, PsA and AS, the incidence of malignancies other than lymphoma per 100 patient-years of follow-up was not elevated in the combined SIMPONI group compared with the placebo group. In the controlled and uncontrolled portions of these trials, the incidence of malignancies, other than lymphoma, in SIMPONI-treated patients was similar to that expected in the general U.S. population according to the SEER database (adjusted for age, gender, and race). In the 6-week placebo-controlled portions of the SIMPONI Phase 2/3 clinical trials in UC, the incidence of non-lymphoma malignancies (excluding nonmelanoma skin cancer) was similar between the SIMPONI and the placebo group. Through Week 60, the incidence of non-lymphoma malignancies (excluding nonmelanoma skin cancer) was similar to that expected in the general U.S. population according to the SEER database (adjusted for age, gender, and race). Short follow-up periods, such as those of one year or less in the studies above, may not adequately reflect the true incidence of malignancies.

It is not known if SIMPONI treatment influences the risk for developing dysplasia or colon cancer. All patients with ulcerative colitis who are at increased risk for developing colon carcinoma (for example, patients with long-standing ulcerative colitis or primary sclerosing cholangitis), or who had a prior history of dysplasia or colon carcinoma should be screened for dysplasia at regular intervals before therapy and throughout their disease course. This evaluation should include colonoscopy and biopsies per local recommendations. In patients with Crohn's disease, smokers, and those with a family history of CRC, the risks and benefits to the individual patient must be carefully reviewed before therapy is started.

Melanoma and Merkel cell carcinoma have been reported in patients treated with TNF-blocking agents, including SIMPONI. Periodic skin examination is recommended for all patients, particularly those with risk factors for skin cancer. In controlled trials of other TNF blockers in patients at higher risk for these cutaneous malignancies, after a median of 2.7 years, 1.3% of patients had a skin cancer diagnosis. The potential risk with the combination of AZA or 6-MP and SIMPONI should be carefully considered prior to therapy in patients with a known malignancy other than a successfully treated nonmelanoma skin cancer (NMSC) or when considering continuing a TNF-blocker in patients who develop a malignancy.

In the controlled portions of clinical trials of TNF blockers, including SIMPONI, cases of mycosis fungoides have been reported. In controlled portions of other TNF blocker trials, cases of cutaneous T-cell lymphoma occurred, including patients treated with SIMPONI. Melanoma and Merkel cell carcinoma have been reported in patients treated with TNF-blocking agents. This rare type of T-cell lymphoma has a very aggressive disease course and is usually fatal. Nearly all of the reported TNF blocker associated cases have occurred in patients with Crohn’s disease or ulcerative colitis. The majority were in adolescent and young adult males. Almost all these patients had received treatment with azathioprine (AZA) or 6-mercaptopurine (6–MP) concomitantly with a TNF blocker at or prior to diagnosis. The potential risk with the combination of AZA or 6-MP and SIMPONI should be carefully considered. A risk for the development for hematopoietic T-cell lymphoma in patients treated with TNF blockers cannot be excluded.

In clinical trials of other TNF blockers, cases of mycosis fungoides have been reported, including patients treated with SIMPONI. Melanoma and Merkel cell carcinoma have been reported in patients treated with TNF-blocking agents. This rare type of T-cell lymphoma has a very aggressive disease course and is usually fatal. Nearly all of the reported TNF blocker associated cases have occurred in patients with Crohn’s disease or ulcerative colitis. The majority were in adolescent and young adult males. Almost all these patients had received treatment with azathioprine (AZA) or 6-mercaptopurine (6–MP) concomitantly with a TNF blocker at or prior to diagnosis. The potential risk with the combination of AZA or 6-MP and SIMPONI should be carefully considered. A risk for the development for hematopoietic T-cell lymphoma in patients treated with TNF blockers cannot be excluded.

In clinical trials of other TNF blockers, cases of mycosis fungoides have been reported, including patients treated with SIMPONI. Melanoma and Merkel cell carcinoma have been reported in patients treated with TNF-blocking agents. This rare type of T-cell lymphoma has a very aggressive disease course and is usually fatal. Nearly all of the reported TNF blocker associated cases have occurred in patients with Crohn’s disease or ulcerative colitis. The majority were in adolescent and young adult males. Almost all these patients had received treatment with azathioprine (AZA) or 6-mercaptopurine (6–MP) concomitantly with a TNF blocker at or prior to diagnosis. The potential risk with the combination of AZA or 6-MP and SIMPONI should be carefully considered. A risk for the development for hematopoietic T-cell lymphoma in patients treated with TNF blockers cannot be excluded.
5.3 Congestive Heart Failure
Cases of worsening congestive heart failure (CHF) and new onset CHF have been reported with TNF blockers, including SIMPONI. Some cases had a fatal outcome. In several exploratory trials of other TNF blockers in the treatment of CHF, there were greater proportions of TNF-blocker-treated patients who had CHF exacerbations requiring hospitalization or increased mortality. SIMPONI has not been studied in patients with a history of CHF and SIMPONI should be used with caution in patients with CHF, if a decision is made to administer SIMPONI to patients with CHF, these patients should be closely monitored during therapy, and SIMPONI should be discontinued if new or worsening symptoms of CHF appear.

5.4 Demyelinating Disorders
Use of TNF blockers, of which SIMPONI is a member, has been associated with rare cases of new onset or exacerbation of central nervous system (CNS) demyelinating disorders, including multiple sclerosis (MS) and peripheral demyelinating disorders, including Guillain-Barré syndrome. Cases of central demyelination, MS, optic neuritis, and peripheral demyelinating polyneuropathy have rarely been reported in patients treated with SIMPONI [see Adverse Reactions (6.1)]. Prescribers should exercise caution in considering the use of TNF blockers, including SIMPONI, in patients with central or peripheral nervous system demyelinating disorders. Discontinuation of SIMPONI should be considered if these disorders develop.

5.5 Autoimmunity
Treatment with TNF blockers, including SIMPONI, may result in the formation of antinuclear antibodies (ANA) and, rarely, in the development of a lupus-like syndrome [see Adverse Reactions (6.1)]. If a patient develops symptoms suggestive of a lupus-like syndrome following treatment with SIMPONI, treatment should be discontinued.

5.6 Use with Abatacept
In controlled trials, the concurrent administration of another TNF blocker and abatacept was associated with a greater proportion of serious infections than the use of a TNF blocker alone; and the combination therapy, compared to the use of a TNF blocker alone, has not demonstrated improved clinical benefit in the treatment of RA. Therefore, the combination of TNF blockers, including SIMPONI, and abatacept is not recommended [see Drug Interactions (7.2)].

5.7 Use with Anakinra
Concurrent administration of anakinra (an interleukin-1 antagonist) and another TNF blocker was associated with a greater portion of serious infections and neutropenia and no additional benefits compared with the TNF-blocker alone. Therefore, the combination of anakinra with TNF blockers, including SIMPONI, is not recommended [see Drug Interactions (7.2)].

5.8 Switching Between Biological Disease-Modifying Antirheumatic Drugs
Care should be taken when switching from one biological product to another biological product since overlapping biological activity may further increase the risk of infection.

5.9 Hematologic Cytopenias
There have been reports of pancytopenia, leukopenia, neutropenia, agranulocytosis, aplastic anemia, and thrombocytopenia in patients receiving golimumab. Caution should be exercised when using TNF blockers, including SIMPONI, in patients who have or have had significant cytopenias.

5.10 Vaccinations/Therapeutic Infectious Agents
Live Vaccines
Patients treated with SIMPONI may receive vaccinations, except for live vaccines. In patients receiving anti-TNF therapy, limited data are available on the response to live vaccination, or on the secondary transmission of infection by live vaccines. Use of live vaccines could result in clinical infections, including disseminated infections.

Therapeutic Infectious Agents
Other uses of therapeutic infectious agents such as live attenuated bacteria (e.g., BCG bladder instillation for the treatment of cancer) could result in clinical infections, including disseminated infections. It is recommended that therapeutic infectious agents not be given concurrently with SIMPONI.

5.11 Hypersensitivity Reactions
In postmarketing experience, serious systemic hypersensitivity reactions (including anaphylactic reaction) have been reported following SIMPONI administration. Some of these reactions occurred after the first administration of SIMPONI. If an anaphylactic or other serious allergic reaction occurs, administration of SIMPONI should be discontinued immediately and appropriate therapy instituted.

6 ADVERSE REACTIONS
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 may not be directly compared to rates in the clinical trial of another drug and may not reflect the rates observed in clinical practice.

Liver Enzyme Elevations
There have been reports of severe hepatic reactions including acute liver failure in patients receiving TNF blockers. In controlled Phase 3 trials of SIMPONI in patients with RA, PsA, and AS through Week 16, ALT elevations ≥ 5 x ULN occurred in 0.2% of control-treated patients and 0.7% of SIMPONI-treated patients and ALT elevations ≥ 3 x ULN occurred in 2% of control-treated patients and 2% of SIMPONI-treated patients. Since many of the patients in the Phase 3 trials for RA, PsA, and AS were also receiving medications that cause liver enzyme elevations (e.g., NSAIDs, MTX), the relationship between SIMPONI and liver enzyme elevation is not clear.

In Phase 2/3 UC trials, the incidence of ALT elevations ≥ 5 x ULN was similar in SIMPONI-treated patients and placebo-treated patients, or approximately 1%, with an average duration of follow-up of 46 weeks and 18 weeks, respectively. ALT elevations ≥ 3 x ULN occurred in 2% of SIMPONI-treated patients compared with 1.5% of placebo-treated patients with an average duration of follow-up of 46 weeks and 18 weeks, respectively.

Autoimmune Disorders and Autoantibodies
In the controlled Phase 3 trials in patients with RA, PsA, and AS through Week 14, there was no association of SIMPONI treatment and the development of newly positive anti-dsDNA antibodies. In Phase 3 trials in RA, PsA, and AS through 1 year of follow-up, 4.0% of SIMPONI-treated patients and 2.6% of control patients were newly antinuclear antibody (ANA)-positive (at titers of 1:160 or greater). The frequency of anti-dsDNA antibodies at 1 year of follow-up was uncommon in patients who were anti-dsDNA negative at baseline. Through Week 60 of the UC trials, 3.5% of patients who received SIMPONI induction and 100 mg during maintenance were newly ANA-positive (at titers of 1:160 or greater) compared with 3.5% of patients who received SIMPONI induction and placebo during the maintenance portion of the UC trial. The frequency of anti-dsDNA antibodies at 1 year of follow-up in patients who were anti-dsDNA negative at baseline was 0.5% in patients receiving SIMPONI induction and 100 mg during maintenance compared with 0% in patients who received SIMPONI induction and placebo during maintenance [see Warnings and Precautions (5.5)].
SIMPONI® (golimumab)

Injection Site Reactions
In controlled Phase 3 trials through Week 16 in RA, PsA and AS, 6% of SIMPONI-treated patients had injection site reactions compared with 2% of control-treated patients. The majority of the injection site reactions were mild and the most frequent manifestation was injection site erythema.

In the controlled Phase 2/3 trial through Week 6 in UC, 3.4% of SIMPONI-treated patients had injection site reactions compared with 1.5% in control-treated patients. The majority of the injection site reactions were mild and moderate and the most frequent manifestation was injection site erythema.

In controlled Phase 2 and 3 trials in RA, PsA, and AS, and Phase 2/3 UC trials, no patients treated with SIMPONI developed anaphylactic reactions.

Other Adverse Reactions
Table 1 summarizes the adverse drug reactions that occurred at a rate of at least 1% in the SIMPONI ± DMARD group and with a higher incidence than in the placebo ± DMARD group during the controlled period of the 5 pooled Phase 3 trials through Week 16 in patients with RA, PsA, and AS.

Table 1: Adverse Drug Reactions Reported by ≥ 1% of SIMPONI-Treated Patients and With a Higher Incidence Than Placebo-Treated Patients in the Phase 3 Trials of RA, PsA, and AS through Week 16

<table>
<thead>
<tr>
<th>SIMPONI ± DMARDs</th>
<th>Placebo ± DMARDs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Patients treated</td>
<td>1659</td>
</tr>
<tr>
<td>Adverse Reaction</td>
<td></td>
</tr>
<tr>
<td>Infections and infestations</td>
<td></td>
</tr>
<tr>
<td>Upper respiratory tract infection (nasopharyngitis, pharyngitis, laryngitis, rhinitis)</td>
<td>16%</td>
</tr>
<tr>
<td>Viral infections (such as influenza and herpes)</td>
<td>5%</td>
</tr>
<tr>
<td>Bronchitis</td>
<td>2%</td>
</tr>
<tr>
<td>Superficial fungal infections</td>
<td>2%</td>
</tr>
<tr>
<td>Sinusitis</td>
<td>2%</td>
</tr>
<tr>
<td>General disorders and administration site conditions</td>
<td></td>
</tr>
<tr>
<td>Injection site reaction (injection site erythema, urticaria, induration, pain, bruising, puritus, irritation, paresthesia)</td>
<td>6%</td>
</tr>
<tr>
<td>Investigations</td>
<td></td>
</tr>
<tr>
<td>Alanine aminotransferase increased</td>
<td>4%</td>
</tr>
<tr>
<td>Aspartate aminotransferase increased</td>
<td>3%</td>
</tr>
<tr>
<td>Vascular disorders</td>
<td></td>
</tr>
<tr>
<td>Hypertension</td>
<td>3%</td>
</tr>
<tr>
<td>Nervous system disorders</td>
<td></td>
</tr>
<tr>
<td>Dizziness</td>
<td>2%</td>
</tr>
<tr>
<td>Paresthesia</td>
<td>2%</td>
</tr>
<tr>
<td>Gastrointestinal disorders</td>
<td></td>
</tr>
<tr>
<td>Constipation</td>
<td>1%</td>
</tr>
</tbody>
</table>

* Patients may have taken concomitant MTX, sulfasalazine, hydroxychloroquine, low dose corticosteroids (< 10 mg of prednisone/day or equivalent), and/or NSAIDs during the trials.

Less Common Clinical Trial Adverse Drug Reactions
Adverse drug reactions that occurred <1% in SIMPONI-treated patients during the SIMPONI clinical trials that do not appear in the Warnings and Precautions section included the following events listed by system organ class:

Infections and infestations: Septic shock, atypical mycobacterial infection, pyelonephritis, arthritis bacterial, bursitis infective, Neoplasms benign, malignant and unspecified: Leukemia
Skin and subcutaneous tissue disorders: Psoriasis (new onset or worsening, palmar/plantar and pustular), vasculitis (cutaneous)
Vascular disorders: Vasculitis (systemic)
Other Clinical Trial Adverse Drug Reactions in Ulcerative Colitis Clinical Trials
In the Phase 2/3 trials in UC evaluating 1233 SIMPONI-treated patients, no new adverse drug reactions were identified and the frequency of adverse drug reactions was similar to the safety profile observed in patients with RA, PsA and AS.

6.2 Immunogenicity
As with all therapeutic proteins, there is potential for immunogenicity. The detection of antibody formation is highly dependent on the sensitivity and specificity of the assay. Additionally, the observed incidence of antibody (including neutralizing antibody) positivity in an assay may be influenced by several factors including assay methodology, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies to golimumab in the trials described below with the incidence of antibodies in other trials or to other products may be misleading.

SIMPONI® (golimumab)

Results from the EIA Method
Using an enzyme immunoassay (EIA) method, antibodies to golimumab were detected in 57 (4%) of SIMPONI-treated patients across the Phase 3 RA, PsA and AS trials through Week 24. Similar rates were observed in each of the 3 indications. Patients who received SIMPONI with concomitant MTX had a lower proportion of antibodies to golimumab than patients who received SIMPONI without MTX (approximately 2% vs. 7%, respectively).

With the EIA method, the presence of serum concentrations of golimumab can interfere with the detection of antibodies to golimumab leading to inconclusive results. In UC trials, 34 (3%), 341 (28%) and 823 (69%) of SIMPONI-treated patients were positive, negative and inconclusive for antibodies to golimumab, respectively. Treatment with concomitant immunomodulators (AZA, 6-MP or MTX) resulted in a lower proportion of patients with antibodies to golimumab than patients receiving SIMPONI without immunomodulators (2% vs. 4%, respectively).

Of the patients with a positive antibody response to golimumab in the Phase 2 and 3 trials, most were determined to have neutralizing antibodies to golimumab as measured by a cell-based functional assay.

Results from the Drug-Tolerant EIA Method
A drug-tolerant enzyme immunoassay (drug-tolerant EIA) method for detecting antibodies to golimumab was developed and validated, which eliminated the inconclusive category as reported above. This method is approximately 16-fold more sensitive than the original EIA method with less interference from golimumab in serum.

Based on the drug tolerant EIA method, 246 (23%) of SIMPONI-treated patients across the Phase 3 RA, PsA and AS trials, antibodies to golimumab were detected in 57 (10%), 106 (24%), and 84 (24%) patients, respectively. Treatment with concomitant MTX resulted in a lower proportion of patients with antibodies to golimumab than in patients receiving SIMPONI without MTX in RA patients (7% vs. 35%), PsA patients (18% vs. 36%) and in AS patients (6% vs. 29%).

A trend of decreasing drug concentrations with increasing antibody titer was observed. While an overall efficacy in clinical efficacy for ADA positive patients compared with ADA negative patients was not observed in patients with RA (ACR 20: 75% vs. 75%), PsA (ACR 20: 72% vs. 66%) and AS (ASAS 20: 57% vs. 65%), higher titer antibodies may be associated with diminished efficacy.

In the UC trials, 254 (21%) of SIMPONI-treated patients were positive for antibodies to golimumab through week 54 while the remaining 941 (79%) patients were negative. Treatment with concomitant immunomodulators (AZA, 6-MP or MTX) in the UC trials resulted in a lower proportion of patients with antibodies to golimumab than in patients receiving SIMPONI without immunomodulators (12% vs. 26%).

Although the development of antibodies to golimumab did not preclude clinical response, a trend toward decreased efficacy in ADA positive patients was observed compared to ADA negative patients in the UC trials (clinical response 38% vs. 53%).

6.3 Postmarketing Experience
The following adverse reactions have been identified during post-approval use of golimumab. 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 SIMPONI exposure.

Imune system disorders: Serious systemic hypersensitivity reactions (including anaphylactic reaction) [see Warnings and Precautions (5.11)]
Sarcoidosis
Neoplasms benign, malignant and unspecified: Melanoma, Merkel cell carcinoma [see Warnings and Precautions (5.2)]
Respiratory, thoracic and mediastinal disorders: Intestinal lung disease
Skin and subcutaneous tissue disorders: Skin exfoliation, lichenoid reactions, rash, bullous skin reactions

7 DRUG INTERACTIONS
7.1 Methotrexate
For the treatment of RA, SIMPONI should be used with methotrexate (MTX) [see Clinical Studies (14.1)]. Since the presence or absence of concomitant MTX did not appear to influence the efficacy or safety of SIMPONI in the treatment of PsA or AS, SIMPONI can be used with or without MTX in the treatment of PsA and AS [see Clinical Studies (14.2, 14.3) and Clinical Pharmacology (12.3)].

7.2 Biologic Products for RA, PsA, and/or AS
An increased risk of serious infections has been seen in clinical RA trials of other TNF blockers used in combination with anakinra or abatacept, with no added benefit; therefore, use of SIMPONI with abatacept or anakinra is not recommended [see Warnings and Precautions (5.6, 5.7)]. A higher rate of serious infections has also been observed in RA patients treated with rituximab who received subsequent treatment with a TNF blocker. The concomitant use of SIMPONI with biologics approved to treat RA, PsA, or AS is not recommended because of the possibility of an increased risk of infection.

7.3 Live Vaccines/Therapeutic Infectious Agents
Live vaccines should not be given concurrently with SIMPONI [see Warnings and Precautions (5.10)].
Infants born to women treated with SIMPONI during their pregnancy may be at increased risk of infection for up to 6 months. Administration of live vaccines to infants exposed to SIMPONI in utero is not recommended for 6 months following the mother's last SIMPONI injection during pregnancy [see Use in Specific Populations (8.11)].

7.4 Cytchrome P450 Substrates

The formation of CYP450 enzymes may be suppressed by increased levels of cytokines (e.g., TNFα) during chronic inflammation. Therefore, it is expected that for a molecule that antagonizes cytokine activity, such as golimumab, the formation of CYP450 enzymes could be normalized. Upon initiation or discontinuation of SIMPONI in patients being treated with CYP450 substrates with a narrow therapeutic index, monitoring of the effect (e.g., warfarin) or drug concentration (e.g., cyclosporine or theophylline) is recommended and the individual dose of the drug product may be adjusted as needed.

8 USE IN SPECIFIC POPULATIONS

8.1 Pregnancy

Risk Summary

There are no adequate and well-controlled trials of SIMPONI in pregnant women. Monoclonal antibodies, such as golimumab, are transported across the placenta during the third trimester of pregnancy and may affect immune response in the in utero exposed infant [see Clinical Considerations]. In an animal reproductive study, golimumab administered by the subcutaneous route to pregnant monkeys, during the period of organogenesis, at doses that produced exposures approximately 360 times the maximum recommended human dose (MRHD) had no adverse fetal effects [see Data]. In a pre- and postnatal developmental study with pregnant monkeys, subcutaneous administration of golimumab during the later gestational and lactation periods, at doses producing maximal maternal blood concentrations approximately 460 times those found with the MRHD had no adverse developmental effects on infants [see Data]. SIMPONI should be used during pregnancy only if clearly needed.

All pregnancies have a background risk of birth defect, loss, or other adverse outcomes. The estimated background risk of major birth defects and miscarriage for the indicated populations is unknown. In the U.S. general population, the estimated background risks of major birth defects and miscarriage in clinically recognized pregnancies is 2-4% and of miscarriage is 15-20%, respectively.

Clinical Considerations

Fetal/Neonatal Adverse Reactions

Golimumab crosses the placenta during pregnancy. Another TNF-blocking monoclonal antibody administered during pregnancy was detected for up to 6 months in the serum of infants. Consequently, these infants may be at increased risk of infection. Administration of live vaccines to infants exposed to SIMPONI in utero is not recommended for 6 months following the mother’s last SIMPONI injection during pregnancy [see Warnings and Precautions (5.10) and Drug Interactions (7.3)].

Data

Human Data

Limited data on use of SIMPONI in pregnant women from observational studies, published case reports, and postmarketing surveillance are insufficient to inform a drug associated risk.

Animal Data

In an embryofetal developmental toxicity study in which pregnant cynomolgus monkeys were treated with golimumab during the period organogenesis from gestation days (GD) 20 to 51, exposures up to 360 times greater than the exposure at the MRHD (on an area under the curve (AUC) basis with maternal subcutaneous doses up to 50 mg/kg twice weekly) produced no evidence of fetal malformations or embryotoxicity. There was no evidence of maternal toxicity. Umbilical cord blood samples collected at the end of the second trimester showed that fetuses were exposed to golimumab during gestation.

In a pre- and postnatal developmental study in which pregnant cynomolgus monkeys were treated with golimumab from gestation day 50 to postpartum day 33, maximal drug concentrations approximately 460 times greater than that found with the MRHD (on a maximum blood concentration (Cmax) basis at steady-state with maternal subcutaneous doses up to 50 mg/kg twice weekly) were associated with any evidence of developmental defects in infants. There was no evidence of maternal toxicity. Golimumab was present in fetal serum at the end of the second trimester and in neonatal serum from the time of birth and for up to 6 months postpartum.

8.2 Lactation

Risk Summary

There is no information regarding the presence of SIMPONI in human milk; the effects on breastfed infants, or the effects on milk production. Maternal IgG is known to be present in human milk. If golimumab is transferred into human milk, it is not known whether the antibody will bind or neutralize human lymphtoxin. Golimumab did not lyse human monocytes expressing transmembrane TNF in the presence of complement or effectors cells. Elevated TNF levels in the blood, synovium, and joints have been implicated in the pathophysiology of several chronic inflammatory diseases such as rheumatoid arthritis, psoriatic arthritis, and ankylosing spondylitis. TNF is an important mediator of the acute-phase inflammation that is characteristic of these diseases. The exact mechanism by which golimumab treats ulcerative colitis is unknown. Golimumab modulated the in vitro biological effects mediated by TNF in several bioassays, including the expression of adhesion proteins responsible for leukocyte infiltration (E-selectin, ICAM-1 and VCAM-1) and the secretion of proinflammatory cytokines (IL-6, IL-8, G-CSF and GM-CSF).

SIMPONI® (golimumab)

Data

Animal Data

In the pre- and postnatal development study in cynomolgus monkeys in which golimumab was administered during pregnancy and lactation, golimumab was detected in the breast milk at concentrations that were approximately 400-fold lower than the maternal serum concentrations.

8.4 Pediatric Use

Effectiveness of SIMPONI in pediatric patients less than 18 years of age has not been established.

The safety and efficacy of SIMPONI were evaluated in a multicenter, placebo-controlled, double-blind, randomized, 96-week study in 173 children (2 to 17 years of age) with active polyarticular juvenile idiopathic arthritis (pJIA) despite treatment with MTX for at least 3 months. Subjects were maintained on their stable dose of MTX at the same dose (mg/week) at study entry. Concurrent use of stable doses of oral corticosteroids (≤10 mg/day or 0.2 mg/kg/day prednisone or equivalent, whichever was less) and/or NSAIDs was permitted. In the 16 week open-label phase, all patients received MTX and SIMPONI 30 mg/m² (maximum 50 mg) subcutaneously every 4 weeks. Patients who achieved an ACR Ped 30 response at Week 16 entered the randomized-withdrawal phase of the study and received MTX and either SIMPONI 30 mg/m² (maximum 50 mg) or placebo every 4 weeks through Week 48.

The primary endpoint of the study was the proportion of patients who did not experience a flare between Week 16 and Week 48, among all subjects who entered the randomized withdrawal phase. The efficacy of SIMPONI in the treatment of pJIA was not demonstrated in this study because there was no statistical evidence of differences in flare rate between SIMPONI-treated patients and placebo patients at Week 16 and 48.

In this study, the frequency and type of the adverse reactions seen in children were generally similar to those observed in adults.

8.5 Geriatric Use

In the Phase 3 trials in RA, PsA, and AS, there were no overall differences in SAEs, serious infections, and AEs in SIMPONI-treated patients ages 65 or older (N=155) compared with younger SIMPONI-treated patients. In UC, there were insufficient numbers of patients aged 65 and over to determine whether they respond differently from patients aged 18 to 65. Because there is a higher incidence of infections in the geriatric population in general, caution should be used in treating geriatric patients with SIMPONI.

10 OVERDOSAGE

In a clinical trial, 5 patients received protocol-directed single infusions of 10 mg/kg of intravenous SIMPONI without serious adverse reactions or other significant reactions. The highest weight patient was 100 kg and, therefore, received a single intravenous infusion of 1000 mg of SIMPONI.

11 DESCRIPTION

Golimumab is a human IgG1κ monoclonal antibody specific for human tumor necrosis factor alpha (TNFα) that exhibits multiple glycoforms with molecular masses of approximately 150 to 151 kdaltons. Golimumab was created using genetically engineered mice immunized with human TNF, resulting in an antibody with human-derived antibody variable and constant regions. Golimumab is produced by a recombinant cell line cultured by continuous perfusion and is purified by a series of steps that includes macromolecular exchangers. SIMPONI (golimumab) Injection is a preservative-free, sterile, clear to slightly opalescent, colorless to light yellow solution of the golimumab antibody supplied in a single-dose prefilled syringe (with a passive needle safety guard) or a single-dose prefilled autoinjector.

Each 0.5 mL prefilled syringe and autoinjector contains 50 mg golimumab, L-histidine and L-histidine monohydrochloride monohydrate (0.44 mg), polysorbate 80 (0.06 mg), sorbitol (20.5 mg) and Water for Injection. Each 1 mL prefilled syringe and autoinjector contains 100 mg golimumab, L-histidine and L-histidine monohydrochloride monohydrate (0.87 mg), polysorbate 80 (0.15 mg), sorbitol (41.0 mg) and Water for Injection. The pH is approximately 5.5.

12 CLINICAL PHARMACOLOGY

12.1 Mechanism of Action

Golimumab is a human monoclonal antibody that binds to both the soluble and transmembrane bioactive forms of human TNFα. This interaction prevents the binding of TNFα to its receptors, thereby inhibiting the biological activity of TNFα (a cytokine protein). There was no evidence of the golimumab antibody binding to other TNF superfamily ligands; in particular, the golimumab antibody did not bind or neutralize human lymphotoxin. Golimumab did not lyse human monocytes expressing transmembrane TNF in the presence of complement or effector cells. Elevated TNF levels in the blood, synovium, and joints have been implicated in the pathophysiology of several chronic inflammatory diseases such as rheumatoid arthritis, psoriatic arthritis, and ankylosing spondylitis. TNF is an important mediator of the acute-phase inflammation that is characteristic of these diseases. The exact mechanism by which golimumab treats ulcerative colitis is unknown. Golimumab modulated the in vitro biological effects mediated by TNF in several bioassays, including the expression of adhesion proteins responsible for leukocyte infiltration (E-selectin, ICAM-1 and VCAM-1) and the secretion of proinflammatory cytokines (IL-6, IL-8, G-CSF and GM-CSF).
### Pharmacodynamics

In clinical trials, decreases in C-reactive protein (CRP), interleukin (IL)-6, matrix metalloproteinase-3 (MMP-3), intercellular adhesion molecule (ICAM)-1 and vascular cellular adhesion molecule (VCAM)-1 were observed following SIMPONI administration in patients with RA, PsA, and AS.

### Pharmacokinetics

**Absorption**

Following subcutaneous administration of SIMPONI to healthy subjects and patients with active RA, the median time to reach maximum serum concentrations (Tmax) ranged from 2 to 6 days. A subcutaneous injection of 50-mg SIMPONI to healthy subjects produced a mean ± standard deviation maximum serum concentration (Cmax) of 3.2 ± 1.4 mcg/mL.

By cross-trial comparisons of mean AUClast values following an IV or subcutaneous administration of SIMPONI, the absolute bioavailability of subcutaneously administered SIMPONI was estimated to be approximately 95%

**Distribution**

Following a single IV administration over the dose range of 0.1 to 10.0 mg/kg in patients with active RA, mean volume of distribution ranged from 58 to 126 mL/kg. The volume of distribution for SIMPONI indicates that SIMPONI is distributed primarily in the circulatory system with limited extravascular distribution.

**Metabolism**

The exact metabolic pathway of golimumab is unknown.

**Elimination**

Following a single IV administration over the dose range of 0.1 to 10.0 mg/kg in patients with active RA, mean systemic clearance of SIMPONI was estimated to be 4.3 to 6.7 mL/day/kg.

Median terminal half-life values were estimated to be approximately 2 weeks in healthy subjects and patients with active RA, PsA or AS.

Population PK analyses indicated that concomitant use of NSAIDs, oral corticosteroids, or sulfasalazine did not influence the apparent clearance of SIMPONI.

Patients who developed anti-golimumab antibodies generally had lower steady-state serum trough concentrations of SIMPONI.

**Dose Linearity**

SIMPONI exhibited dose-proportional pharmacokinetics (PK) in patients with active RA over the dose range of 0.1 to 10 mg/kg following a single intravenous (IV) dose. Following a single SC dose in healthy subjects, dose proportional pharmacokinetics were also observed over a dose range of 50 mg to 400 mg.

**Single Dose Versus Multiple Doses**

When 50-mg SIMPONI was administered subcutaneously to patients with RA, PsA, or AS every 4 weeks, serum concentrations appeared to reach steady state by Week 12. With concomitant use of methotrexate (MTX), treatment with 50-mg SIMPONI subcutaneous every 4 weeks resulted in a mean steady-state trough serum concentration of approximately 1.8 ± 1.1 mcg/mL.

Following subcutaneous administration of SIMPONI, the absolute bioavailability of SIMPONI administration.

**Population PK Analyses**

Population PK analyses showed that there was a trend toward higher apparent clearance of SIMPONI with increasing weight. Treatment with the recommended maintenance dose regimen of SIMPONI 100 mg in UC patients did not result in meaningful differences in clinical efficacy among different weight groups. Across the PsA and AS populations, no meaningful differences in clinical efficacy were observed among the subgroups by weight quartile. The RA trial in MTX-experienced and TNF-blocker-naive patients (Trial RA-2) did show evidence of a reduction in clinical efficacy with increasing body weight, but this effect was observed for both the 50-mg and 100-mg doses of SIMPONI. There is no need to adjust the dosing of SIMPONI based on a patient’s weight.

**Specific Populations**

Population PK analyses suggested no PK differences between male and female patients after body-weight adjustment of the RA, PsA, and UC trials. In the AS trial, female patients showed higher apparent clearance than male patients after body-weight adjustment. Subgroup analysis based on gender showed that both female and male patients achieved clinically significant response at the proposed clinical dose. Dosage adjustment based on gender is not needed.

### Clinical Pharmacology

**Population PK Analyses**

Population PK analyses indicated that PK parameters of SIMPONI were not influenced by age in adult patients. Patients with age ≥65 years had apparent clearance of SIMPONI similar to patients with age < 65 years. No ethnicity-related PK differences were observed between Caucasians and Asians, and there were too few patients of other races to assess for PK differences.

No formal trial of the effect of renal or hepatic impairment on the PK of golimumab was conducted.

### Nonclinical Toxicology

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

Long-term animal studies of golimumab have not been conducted to evaluate its carcinogenic potential. Mutagenicity studies have not been conducted with golimumab. A fertility study conducted in mice using an analogous anti-mouse TNFα antibody administered by the intravenous route at doses up to 40 mg/kg once per week showed no impairment of fertility.

### Clinical Studies

#### 14.1 Rheumatoid Arthritis

The efficacy and safety of SIMPONI were evaluated in 3 multicenter, randomized, double-blind, controlled trials (Trials RA-1, RA-2, and RA-3) in 1542 patients ≥18 years of age with moderately to severely active RA, diagnosed according to the American College of Rheumatology (ACR) criteria, for at least 3 months prior to administration of trial agent. Patients were required to have at least 4 swollen and 4 tender joints. SIMPONI was administered subcutaneously at doses of 50 mg or 100 mg every 4 weeks. Double-blind controlled efficacy data were collected and analyzed through Week 24. Patients were allowed to continue stable doses of concomitant low dose corticosteroids (equivalent to ≤ 10 mg of prednisone a day) and/or NSAIDs and patients may have received oral MTX during the trials.

Trial RA-1 evaluated 445 patients who were previously treated (at least 8 to 12 weeks prior to administration of trial agent) with one or more doses of a biologic TNF blocker without previous biological disease or severe infliximab infusion reaction. Patients may have discontinued the biologic TNF blocker for a variety of reasons. Patients were randomized to receive placebo (N=150), SIMPONI 50 mg (N=147), or SIMPONI 100 mg (N=148). Patients were allowed to continue stable doses of concomitant MTX, sulfasalazine (SSZ), and/or hydroxychloroquine (HCQ) during the trial. The use of other DMARDs including cytotoxic agents or other biologics was prohibited.

Trial RA-2 evaluated 444 patients who had active RA despite a stable dose of at least 15 mg/week of MTX and who had not been previously treated with a biologic TNF blocker. Patients were randomized to receive background MTX (N=133), SIMPONI 50 mg + background MTX (N=89), SIMPONI 100 mg + background MTX (N=89), or SIMPONI 100 mg monotherapy (N=133). The use of other DMARDs including SSZ, HCQ, cytotoxic agents, or other biologics was prohibited.

Trial RA-3 evaluated 637 patients with active RA who were MTX naïve and had not previously been treated with a biological TNF blocker. Patients were randomized to receive MTX (N=160), SIMPONI 50 mg + MTX (N=159), SIMPONI 100 mg + MTX (N=199), or SIMPONI 100 mg monotherapy (N=159). For patients receiving MTX, MTX was administered at a dose of 10 mg/week beginning at Week 0 and increased to 25 mg/week by Week 5. The presence or absence of concomitant MTX did not appear to influence clinical efficacy and safety parameters [see Drug Interactions (7.1) and Clinical Studies (14.1)].

When induction doses of 200-mg and 100-mg SIMPONI at week 0 and 2, respectively, followed by maintenance doses of 100-mg SIMPONI every 4 weeks were administered subcutaneously in patients with UC, serum golimumab concentrations reached steady-state by week 8 after the first maintenance dose. Treatment with 100-mg SIMPONI subcutaneous every 4 weeks during maintenance resulted in a mean steady-state trough serum concentration of approximately 1.6 ± 1.1 mcg/mL.

#### Effect of Weight on Pharmacokinetics

Population PK analyses showed there was a trend toward higher apparent clearance of SIMPONI with increasing weight. Treatment with the recommended maintenance dose regimen of SIMPONI 100 mg in UC patients did not result in meaningful differences in clinical efficacy among different weight groups. Across the PsA and AS populations, no meaningful differences in clinical efficacy were observed among the subgroups by weight quartile. The RA trial in MTX-experienced and TNF-blocker-naive patients (Trial RA-2) did show evidence of a reduction in clinical efficacy with increasing body weight, but this effect was observed for both the 50-mg and 100-mg doses of SIMPONI. There is no need to adjust the dosing of SIMPONI based on a patient’s weight.

### Clinical Efficacy

In the 3 RA trials, a greater percentage of patients treated with the combination of SIMPONI and MTX achieved ACR responses at Week 14 (Trials RA-1 and RA-2) and Week 24 (Studies RA-1, RA-2, and RA-3) versus patients treated with the MTX alone. There was no clear evidence of improved ACR response with the higher SIMPONI dose group (100 mg) compared to the lower SIMPONI dose group (50 mg). In Trials RA-2 and RA-3, the SIMPONI monotherapy groups were not statistically different from the MTX monotherapy groups in ACR responses. Table 2 shows the proportion of patients with the ACR response for the SIMPONI 50-mg and control groups in Trials RA-1, RA-2, and RA-3. In the subset of patients who received SIMPONI in combination with MTX in Trial RA-1, the proportion of patients achieving ACR 20, 50 and 70 responses at Week 14 were 40%, 18%, and 12%, respectively, in the SIMPONI 50-mg + MTX group (N=103). Table 3 shows the percent improvement in the components of the ACR response criteria for the SIMPONI 50-mg + MTX and MTX groups in Trial RA-2. The proportion of patients achieving ACR 20 responses by visit for Trial RA-2 is shown in Figure 1. ACR 20 responses were observed in 38% of patients in the SIMPONI 50-mg + MTX group at the first assessment (Week 4) after the initial SIMPONI administration.
Table 2: Trials RA-1, RA-2, and RA-3 Proportion of Patients with an ACR Response

<table>
<thead>
<tr>
<th></th>
<th>Trial RA-1 Active RA previously treated with one or more doses of TNF blockers</th>
<th>Trial RA-2 Active RA, despite MTX</th>
<th>Trial RA-3 Active RA, MTX Naïve</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Placebo ± DMARDs&lt;sup&gt;a&lt;/sup&gt;</td>
<td>SIMPONI 50 mg ± DMARDs&lt;sup&gt;a&lt;/sup&gt;</td>
<td>SIMPONI 50 mg + Background MTX</td>
</tr>
<tr>
<td></td>
<td>Background MTX</td>
<td>SIMPONI 50 mg + Background MTX</td>
<td>MTX</td>
</tr>
<tr>
<td></td>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
</tr>
<tr>
<td>ACR 20 Week 14</td>
<td>18%</td>
<td>35%</td>
<td>33%</td>
</tr>
<tr>
<td>ACR 20 Week 24</td>
<td>16%</td>
<td>31%</td>
<td>28%</td>
</tr>
<tr>
<td>ACR 50 Week 14</td>
<td>7%</td>
<td>15%</td>
<td>10%</td>
</tr>
<tr>
<td>ACR 50 Week 24</td>
<td>4%</td>
<td>16%</td>
<td>14%</td>
</tr>
<tr>
<td>ACR 70 Week 14</td>
<td>2%</td>
<td>10%</td>
<td>4%</td>
</tr>
<tr>
<td>ACR 70 Week 24</td>
<td>2%</td>
<td>9%</td>
<td>5%</td>
</tr>
</tbody>
</table>

<sup>a</sup> Approximately 78% and 58% of the patients received concomitant NSAIDs and low dose corticosteroids (equivalent to ≤ 10 mg of prednisone a day), respectively, during the 3 pooled RA trials.

<sup>b</sup> DMARDs in Trial RA-1 included MTX, HCQ, and/or SSZ (about 68%, 8%, and 5% of patients received MTX, HCQ, and SSZ, respectively).

<sup>c</sup> N reflects randomized patients.

Figure 1: Trial RA-2 – Percentage of Patients Achieving ACR 20 Response by Visit Randomized Patients

- Placebo + MTX
- SIMPONI 50 mg + MTX

The same patients may not have responded at each timepoint.

Physical Function Response in Patients with RA

In Trials RA-1 and RA-2, the SIMPONI 50-mg groups demonstrated a greater improvement compared to the control groups in the change in mean Health Assessment Questionnaire Disability Index (HAQ-DI) score from baseline to Week 24: 0.23 vs. 0.03 in RA-1, 0.47 vs. 0.13 in RA-2, respectively. Also in Trials RA-1 and RA-2, the SIMPONI 50-mg groups compared to the control groups had a greater proportion of HAQ responders (change from baseline > 0.22) at Week 24: 43% vs. 27%, 65% vs. 35%, respectively.

14.2 Psoriatic Arthritis

The safety and efficacy of SIMPONI were evaluated in a multicenter, randomized, double-blind, placebo-controlled trial in 405 adult patients with moderately to severely active PsA (≥ 3 swollen joints and ≥ 3 tender joints) despite NSAID or DMARD therapy (Trial PsA). Patients in this trial had a diagnosis of PsA for at least 6 months with a qualifying psoriatic skin lesion of at least 2 cm in diameter. Previous treatment with a biologic TNF blocker was not allowed. Patients were randomly assigned to placebo (N=113), SIMPONI 50 mg (N=146), or SIMPONI 100 mg (N=146) given subcutaneously every 4 weeks. Patients were allowed to receive stable doses of concomitant MTX (≤ 25 mg/week), low dose oral corticosteroids (equivalent to ≤ 10 mg of prednisone a day), and/or NSAIDs during the trial. The use of other DMARDs including SSZ, HCQ, cytotoxic agents, or other biologics was prohibited. The primary endpoint was the percentage of patients achieving ACR 20 response at Week 14. Placebo-controlled efficacy data were collected and analyzed through Week 24.

Patients with each subtype of PsA were enrolled, including polyarticular arthritis with no rheumatoid nodules (43%), asymmetric peripheral arthritis (30%), distal interphalangeal (DIP) joint arthritis (15%), spondylitis with peripheral arthritis (11%), and arthritis mutilans (1%). The median duration of PsA disease was 5.1 years, 76% of patients received at least one DMARD in the past, and approximately 48% of patients received MTX, and 16% received low dose oral steroids.

Clinical Response in Patients with PsA

SIMPONI ± MTX, compared with placebo ± MTX, resulted in significant improvement in signs and symptoms as demonstrated by the proportion of patients with an ACR 20 response at Week 14 in Trial PsA (see Table 4). There was no clear evidence of improved ACR response with the higher SIMPONI dose group (100 mg) compared to the lower SIMPONI dose group (50 mg). ACR responses observed in the SIMPONI-treated groups were similar in patients receiving and not receiving concomitant MTX. Similar ACR 20 responses at Week 14 were observed in patients with different PsA subtypes. However, the number of patients with arthritis mutilans was too small to allow meaningful assessment. SIMPONI 50-mg treatment also resulted in significantly greater improvement compared with placebo for each ACR component in Trial PsA (Table 5). Treatment with SIMPONI resulted in improvement in enthesis and skin manifestations in patients with PsA. However, the safety and efficacy of SIMPONI in the treatment of patients with plaque psoriasis has not been established.

The percentage of patients achieving ACR 20 responses by visit for Trial PsA is shown in Figure 2. ACR 20 responses were observed in 31% of patients in the SIMPONI 50-mg + MTX group at the first assessment (Week 4) after the initial SIMPONI administration.
Table 4: Trial PsA - Proportion of Patients with ACR Responses

<table>
<thead>
<tr>
<th></th>
<th>Placebo ± MTX&lt;sup&gt;a&lt;/sup&gt;</th>
<th>SIMPONI 50 mg ± MTX&lt;sup&gt;ab&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
<td>113</td>
<td>146</td>
</tr>
<tr>
<td>ACR 20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>9%</td>
<td>51%</td>
</tr>
<tr>
<td>Week 24</td>
<td>12%</td>
<td>52%</td>
</tr>
<tr>
<td>ACR 50</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>2%</td>
<td>30%</td>
</tr>
<tr>
<td>Week 24</td>
<td>4%</td>
<td>32%</td>
</tr>
<tr>
<td>ACR 70</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>1%</td>
<td>12%</td>
</tr>
<tr>
<td>Week 24</td>
<td>1%</td>
<td>19%</td>
</tr>
</tbody>
</table>

<sup>a</sup> In Trial PsA, about 48%, 16%, and 72% of the patients received stable doses of MTX (≤ 25 mg/week), low dose corticosteroids (equivalent to ≤ 10 mg of prednisone a day), and NSAIDs, respectively.

<sup>b</sup> N reflects randomized patients. Bold text indicates primary endpoint.

Table 5: Trial PsA - Percent Improvement in ACR Components at Week 14

<table>
<thead>
<tr>
<th></th>
<th>Placebo ± MTX&lt;sup&gt;a&lt;/sup&gt;</th>
<th>SIMPONI 50 mg ± MTX&lt;sup&gt;ab&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
<td>113</td>
<td>146</td>
</tr>
<tr>
<td>Number of swollen joints (0-66)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>10.0</td>
<td>11.0</td>
</tr>
<tr>
<td>Week 14</td>
<td>8%</td>
<td>60%</td>
</tr>
<tr>
<td>Number of tender joints (0-68)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>18.0</td>
<td>19.0</td>
</tr>
<tr>
<td>Week 14</td>
<td>0%</td>
<td>54%</td>
</tr>
<tr>
<td>Patient’s assessment of pain (0-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>5.4</td>
<td>5.8</td>
</tr>
<tr>
<td>Week 14</td>
<td>-1%</td>
<td>48%</td>
</tr>
<tr>
<td>Patient’s global assessment of disease activity (0-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>5.2</td>
<td>5.2</td>
</tr>
<tr>
<td>Week 14</td>
<td>2%</td>
<td>49%</td>
</tr>
<tr>
<td>Physician’s global assessment of disease activity (0-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>5.2</td>
<td>5.4</td>
</tr>
<tr>
<td>Week 14</td>
<td>7%</td>
<td>59%</td>
</tr>
<tr>
<td>HAQ score (0-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>1.0</td>
<td>1.0</td>
</tr>
<tr>
<td>Week 14</td>
<td>0%</td>
<td>26%</td>
</tr>
<tr>
<td>CRP (mg/dL) (0-10)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Baseline</td>
<td>0.6</td>
<td>0.6</td>
</tr>
<tr>
<td>Week 14</td>
<td>0%</td>
<td>40%</td>
</tr>
</tbody>
</table>

Note: Baseline are median values.

<sup>a</sup> In Trial PsA, about 48%, 16%, and 78% of the patients received stable doses of MTX (≤ 25 mg/week), low dose corticosteroids (equivalent to ≤ 10 mg of prednisone a day), and NSAIDs, respectively.

<sup>b</sup> N reflects randomized patients; actual number of patients evaluable for each endpoint may vary by timepoint.

Figure 2: Trial PsA – Percentage of ACR 20 PsA Responders by Visit: Randomized Patients<sup>∗</sup>

* The same patients may not have responded at each timepoint.

Table 6: Trial AS – Proportion of ASAS Responders at Weeks 14 and 24

<table>
<thead>
<tr>
<th></th>
<th>Placebo ± DMARDs&lt;sup&gt;a&lt;/sup&gt;</th>
<th>SIMPONI 50 mg ± DMARDs&lt;sup&gt;ab&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>N&lt;sup&gt;b&lt;/sup&gt;</td>
<td>78</td>
<td>138</td>
</tr>
<tr>
<td>Responders, % of patients</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ASAS 20</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>22%</td>
<td>59%</td>
</tr>
<tr>
<td>Week 24</td>
<td>23%</td>
<td>56%</td>
</tr>
<tr>
<td>ASAS 40</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Week 14</td>
<td>15%</td>
<td>45%</td>
</tr>
<tr>
<td>Week 24</td>
<td>15%</td>
<td>44%</td>
</tr>
</tbody>
</table>

<sup>a</sup> Despite current or previous NSAID therapy. Patients were excluded if they were previously treated with a biologic TNF blocker or if they had complete ankylosis of the spine. Patients were randomly assigned to placebo (N=78), SIMPONI 50 mg (N=138), or SIMPONI 100 mg (N=140) administered subcutaneously every 4 weeks. Patients were allowed to continue stable doses of concomitant MTX, sulfasalazine (SSZ), hydroxychloroquine (HCQ), low dose corticosteroids (equivalent to < 10 mg of prednisone a day), and/or NSAIDs during the trial. The use of other DMARDs including cytotoxic agents or other biologics was prohibited.

Clinical Response in Patients with AS

In Trial AS, SIMPONI ± DMARDs treatment, compared with placebo ± DMARDs, resulted in a significant improvement in signs and symptoms as demonstrated by the proportion of patients with an ASsessment in Ankylosing Spondylitis (ASAS) 20 response at Week 14. Placebo-controlled efficacy data were collected and analyzed through Week 24.

In Trial AS, the median duration of AS disease was 5.6 years, median duration of inflammatory back pain was 12 years, 83% were HLA-B27 positive, 24% had prior joint surgery or procedure, and 55% received at least one DMARD in the past. During the trial, the use of concomitant DMARDs and/or NSAIDs was as follows: MTX (20%), SSZ (26%), HCQ (1%), low dose oral steroids (16%), and NSAIDs (99%).

Physical Function Response in Patients with PsA

In Trial PsA, SIMPONI 50 mg demonstrated a greater improvement compared to placebo in the change in mean Health Assessment Questionnaire Disability Index (HAQ-DI) score from baseline to Week 24 (0.33 and -0.01, respectively). In addition, the SIMPONI 50-mg group compared to the placebo group had a greater proportion of HAQ responders (≥ 0.3 change from baseline) at Week 24: 43% vs. 22%, respectively.

14.3 Ankylosing Spondylitis

The safety and efficacy of SIMPONI were evaluated in a multicenter, randomized, double-blind, placebo-controlled trial in 356 adult patients with active ankylosing spondylitis according to modified New York criteria for at least 3 months (Trial AS). Patients had symptoms of active disease (defined as a Bath AS Disease Activity Index (BASDAI) ≥ 4 and VAS for total back pain of ≥ 4, on scales of 0 to 10 cm) despite current or previous NSAID therapy. Patients were excluded if they were previously treated with a biologic TNF blocker or if they had complete ankylosis of the spine. Patients were randomly assigned to placebo (N=78), SIMPONI 50 mg (N=138), or SIMPONI 100 mg (N=140) administered subcutaneously every 4 weeks. Patients were allowed to continue stable doses of concomitant MTX, sulfasalazine (SSZ), hydroxychloroquine (HCQ), low dose corticosteroids (equivalent to < 10 mg of prednisone a day), and/or NSAIDs during the trial. The use of other DMARDs including cytotoxic agents or other biologics was prohibited.
Table 7: Trial AS – Median Percent Improvement in ASAS Components at Week 14

<table>
<thead>
<tr>
<th></th>
<th>Placebo ± DMARDsa</th>
<th>SIMPONI 50 mg ± DMARDsa</th>
</tr>
</thead>
<tbody>
<tr>
<td>N</td>
<td>78</td>
<td>138</td>
</tr>
</tbody>
</table>

**ASAS components**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Week 14</th>
<th>Baseline</th>
<th>Week 14</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Patient global assessment (0-10)</strong></td>
<td>7.2</td>
<td>7.0</td>
<td>13%</td>
<td>47%</td>
</tr>
<tr>
<td><strong>Total back pain (0-10)</strong></td>
<td>7.6</td>
<td>7.5</td>
<td>9%</td>
<td>50%</td>
</tr>
</tbody>
</table>

**BASFI (0-10)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Week 14</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Baseline</strong></td>
<td>4.9</td>
<td>5.0</td>
</tr>
<tr>
<td><strong>Week 14</strong></td>
<td>-3%</td>
<td>37%</td>
</tr>
</tbody>
</table>

**Inflammation (0-10)**

<table>
<thead>
<tr>
<th></th>
<th>Baseline</th>
<th>Week 14</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Baseline</strong></td>
<td>7.1</td>
<td>7.1</td>
</tr>
<tr>
<td><strong>Week 14</strong></td>
<td>6%</td>
<td>59%</td>
</tr>
</tbody>
</table>

* During the trial, the concomitant use of stable doses of DMARDS was as follows: MTX (21%), SSZ (25%), and HCQ (1%). About 16% and 89% of patients received stable doses of low dose oral steroids and NSAIDs during the trial, respectively.

14.4 Ulcerative Colitis

The safety and efficacy of SIMPONI were evaluated in 2 multicenter, randomized, double-blind, placebo-controlled clinical trials in patients ≥ 18 years of age (Trials UC-1 and UC-2).

Trials UC-1 was an induction trial conducted in patients with moderately to severely active ulcerative colitis (UC), defined as a Mayo score of 6 to 12 (the Mayo score ranges from 0 to 12 and has 4 subscales that are each scored from 0 (normal) to 3 [most severe]: stool frequency, rectal bleeding, findings on endoscopy, and physician global assessment). At baseline, subjects also had an inadequate response to or had failed to tolerate at least one of the following therapies: oral aminosalicylates, azathioprine, or 6-mercaptopurine.

In Trial UC-1, a greater proportion of patients achieved clinical response, clinical remission and had improvement of endoscopic appearance of the mucosa at Week 6 in the SIMPONI 200/100-mg group compared with the placebo group. The SIMPONI 400/200-mg group did not demonstrate additional clinical benefit over the SIMPONI 200/100-mg group. Clinical response was defined as a decrease from baseline in the Mayo score of ≥ 30% and ≥ 3 points, accompanied by a decrease in the rectal bleeding subscore of ≥ 1 or a rectal bleeding subscore of 0 (normal or inactive disease) or 1 (erythema, decreased vascular pattern, mild friability).

In Trial UC-2, a greater proportion of patients maintained clinical response through Week 54 in the SIMPONI 100-mg group compared with the placebo group. In Trial UC-2, SIMPONI-treated patients in clinical response (which included the subset of patients in clinical remission) in Trial UC-1, were again assessed for clinical remission at Week 30 and Week 54. A greater proportion of patients had clinical remission at both Weeks 30 and 54 without demonstrating a loss of response at any time point through Week 54 in the SIMPONI 100-mg group compared with the placebo group.

These results are shown in Table 8 below.

Table 8: The Proportion of Patients with UC in Clinical Response, Clinical Remission and with Improvement of Endoscopic Appearance of the Mucosa in Trials UC-1 and UC-2

<table>
<thead>
<tr>
<th></th>
<th>Placebo N=251</th>
<th>SIMPONI 200/100 mg N=253</th>
<th>Treatment difference (95% C.I.)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Clinical response</strong> at Week 6</td>
<td>30%</td>
<td>51%</td>
<td>21% (12%, 29%)§</td>
</tr>
<tr>
<td><strong>Clinical remission</strong> at Week 6</td>
<td>6%</td>
<td>18%</td>
<td>11% (6%, 17%)†</td>
</tr>
<tr>
<td><strong>Improvement of endoscopic appearance of the mucosa at Week 6</strong></td>
<td>29%</td>
<td>42%</td>
<td>14% (5%, 22%)‡</td>
</tr>
</tbody>
</table>

Trials UC-2 was a randomized-withdrawal maintenance trial that evaluated 456 patients who achieved clinical response with SIMPONI induction and tolerated SIMPONI treatment. Patients were randomized to receive SIMPONI 50 mg, SIMPONI 100 mg or placebo administered subcutaneously every 4 weeks. Concomitant stable doses of oral aminosalicylates, azathioprine, 6-mercaptopurine, and/or methotrexate were permitted. Corticosteroids were to be tapered at the start of the maintenance trial. The primary endpoint was the percent of patients maintaining clinical response through Week 54.

15 REFERENCES

16 HOW SUPPLIED/STORAGE AND HANDLING

SIMPONI (golimumab) Injection is a preservative-free, sterile, clear to slightly opalescent, colorless to light yellow solution for subcutaneous use in a single-dose prefilled autoinjector (contains a prefilled glass syringe) or single-dose prefilled glass syringe. The Type 1 glass syringe has a coated stopper. The fixed stainless steel needle (5 bevel, 27G, ½ inch) is covered with a needle shield to prevent leakage of the solution through the needle and to protect the needle during handling prior to subcutaneous administration. The needle shield is made of a dry natural rubber containing latex.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
<th>Package</th>
<th>NDC</th>
</tr>
</thead>
<tbody>
<tr>
<td>50 mg/0.5 mL single-dose prefilled syringe</td>
<td>1 pack</td>
<td>NDC 57894-070-01</td>
<td></td>
</tr>
<tr>
<td>100 mg/mL single-dose prefilled syringe</td>
<td>1 pack</td>
<td>NDC 57894-071-01</td>
<td></td>
</tr>
<tr>
<td>50 mg/0.5 mL single-dose prefilled SmartJect® autoinjector</td>
<td>1 pack</td>
<td>NDC 57894-070-02</td>
<td></td>
</tr>
<tr>
<td>100 mg/mL single-dose prefilled SmartJect® autoinjector</td>
<td>1 pack</td>
<td>NDC 57894-071-02</td>
<td></td>
</tr>
</tbody>
</table>

Storage and Handling
Refrigerate SIMPONI at 36°F to 46°F (2°C to 8°C) in the original carton to protect from light until the time of use. Do not freeze. Do not shake. Do not use SIMPONI beyond the expiration date (EXP) on the carton or the expiration date on the prefilled syringe (observed through the viewing window) or the prefilled SmartJect autoinjector.

If needed, SIMPONI may be stored at room temperature up to 77°F (25°C) for a maximum single period of 30 days in the original carton to protect from light. Once a syringe or autoinjector has been stored at room temperature, do not return the product to the refrigerator. If not used within 30 days at room temperature, discard SIMPONI.

17 PATIENT COUNSELING INFORMATION

See FDA-approved patient labeling (Medication Guide and Instructions for Use)
Patients should be advised of the potential benefits and risks of SIMPONI. Physicians should instruct their patients to read the Medication Guide before starting SIMPONI therapy and to read it each time the prescription is renewed.

Infections
Inform patients that SIMPONI may lower the ability of their immune system to fight infections. Instruct the patient of the importance of contacting their doctor if they develop any symptoms of infection, including tuberculosis, invasive fungal infections, and hepatitis B reactivation.

Malignancies
Patients should be counseled about the risk of lymphoma and other malignancies while receiving SIMPONI.

Allergic Reactions
Advis latex-sensitive patients that the needle cover on the prefilled syringe as well as the prefilled syringe in the prefilled SmartJect autoinjector contains dry natural rubber (a derivative of latex).

Other Medical Conditions
Advise patients to report any signs of new or worsening medical conditions such as congestive heart failure, demyelinating disorders, autoimmune diseases, liver disease, cytopenias, or psoriasis.

Instructions for Safe Administration
The first self-injection should be performed under the supervision of a qualified healthcare professional. If a patient or caregiver is to administer SIMPONI, he/she should be instructed in injection techniques and their ability to inject subcutaneously should be assessed to ensure the proper administration of SIMPONI.

Advise the patient to read the FDA-approved Instructions for Use and provide the following instructions to patients:

- Prior to use, remove the prefilled syringe or the prefilled SmartJect autoinjector from the refrigerator and allow SIMPONI to sit at room temperature outside of the carton for at least 30 minutes and out of the reach of children.
- Do not warm SIMPONI in any other way. For example, do not warm SIMPONI in a microwave or in hot water.
- Do not remove the prefilled syringe needle cover or SmartJect autoinjector cap while allowing SIMPONI to reach room temperature. Remove these immediately before injection.
- Do not pull the autoinjector away from the skin until you hear a first “click” sound and then a second “click” sound (the injection is finished and the needle is pulled back). It usually takes about 3 to 6 seconds but may take up to 15 seconds for you to hear the second “click” after the first “click”. If the autoinjector is pulled away from the skin before the injection is completed, a full dose of SIMPONI may not be administered.
- A puncture-resistant container for disposal of needles and syringes should be used. Patients or caregivers should be instructed in the technique of proper syringe and needle disposal, and be advised not to reuse these items.

Manufactured by:
Janssen Biotech, Inc.
Horsham, PA 19044
US License No. 1864
© 2014 Janssen Pharmaceutical Companies
MEDICATION GUIDE

SIMPONI® (SIM-po-nee)
(golimumab)
injection, for subcutaneous use

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

SIMPONI is a medicine that affects your immune system. SIMPONI can lower the ability of your immune system to fight infections. Some people have serious infections while taking SIMPONI, including tuberculosis (TB), and infections caused by bacteria, fungi, or viruses that spread throughout their body. Some people have died from these serious infections.

- Your doctor should test you for TB and hepatitis B before starting SIMPONI.
- Your doctor should monitor you closely for signs and symptoms of TB during treatment with SIMPONI.

You should not start taking SIMPONI if you have any kind of infection unless your doctor says it is okay.

Before starting SIMPONI, tell your doctor if you:

- think you have an infection or have symptoms of an infection such as:
  - fever, sweat, or chills
  - muscle aches
  - cough
  - shortness of breath
  - blood in phlegm
  - weight loss
  - warm, red, or painful skin or sores on your body
  - diarrhea or stomach pain
  - burning when you urinate or urinate more often than normal
  - feel very tired
- are being treated for an infection.
- get a lot of infections or have infections that keep coming back.
- have diabetes, HIV, or a weak immune system. People with these conditions have a higher chance for infections.
- have TB, or have been in close contact with someone with TB.
- live, have lived, or traveled to certain parts of the country (such as the Ohio and Mississippi River valleys and the Southwest) where there is an increased chance for getting certain kinds of fungal infections (histoplasmosis, coccidioidomycosis, blastomycosis). These infections may happen or become more severe if you use SIMPONI. Ask your doctor if you do not know if you have lived in an area where these infections are common.
- have or have had hepatitis B.
- use the medicine ORENCIA (abatacept), KINERET (anakinra), ACTEMRA (tocilizumab) or RITUXAN (rituximab).

After starting SIMPONI, call your doctor right away if you have any symptoms of an infection. SIMPONI can make you more likely to get infections or make worse any infection that you have.

Cancer

- For children and adults taking TNF-blocker medicines, including SIMPONI, the chances of getting cancer may increase.
- There have been cases of unusual cancers in children and teenage patients taking TNF-blocking agents.
- People with inflammatory diseases including rheumatoid arthritis, psoriatic arthritis, or ankylosing spondylitis, especially those with very active disease, may be more likely to get lymphoma.
- Some people receiving medicines that are like SIMPONI, called TNF blockers, developed a rare type of cancer called hepatosplenic T cell lymphoma. This type of cancer often results in death. Most of these people were male teenagers or young men. Also, most people were being treated for Crohn's disease or ulcerative colitis with a TNF blocker and another medicine called azathioprine or 6 mercaptopurine (6-MP).
- Some people treated with SIMPONI have developed certain kinds of skin cancer. If any changes in the appearance of your skin or growths on your skin occur during or after your treatment with SIMPONI, tell your doctor.
- You should see your doctor periodically for skin examinations, especially if you have a history of skin cancer.
**What is SIMPONI?**
SIMPONI is a prescription medicine called a Tumor Necrosis Factor (TNF) blocker. SIMPONI is used in adults:
- with the medicine methotrexate to treat moderately to severely active rheumatoid arthritis (RA)
- to treat active psoriatic arthritis (PsA) alone or with methotrexate
- to treat active ankylosing spondylitis (AS)
- with moderately to severely active ulcerative colitis (UC) when certain other UC medicines have not worked well enough or cannot be tolerated, or if it is necessary to continue taking steroid medicines:
  - to begin helping some of your symptoms.
  - in people who respond to SIMPONI, to get their UC under control (induce remission) and keep UC under control (sustain remission).
  - to begin to improve the way the lining of your large intestine looks to your doctor during colonoscopy.

You may continue to use other medicines that help treat your condition while taking SIMPONI, such as non-steroidal anti-inflammatory drugs (NSAIDs) and prescription steroids, as recommended by your doctor.

It is not known if SIMPONI is safe and effective in children under 18 years of age.

**What should I tell my doctor before starting treatment with SIMPONI?**
SIMPONI may not be right for you. See “What is the most important information I should know about SIMPONI?” Before starting SIMPONI, tell your doctor about all your medical conditions, including if you:
- have an infection.
- have or have had lymphoma or any other type of cancer.
- have or had heart failure.
- have or have had a condition that affects your nervous system, such as multiple sclerosis or Guillain-Barré syndrome.
- have recently received or are scheduled to receive a vaccine. People taking SIMPONI should not receive live vaccines or treatment with a weakened bacteria (such as BCG for bladder cancer). People taking SIMPONI can receive non-live vaccines.
- have a baby and you were using SIMPONI during your pregnancy. Tell your baby's doctor before your baby receives any vaccine. Your baby may have an increased chance of getting an infection for up to 6 months after birth.
- are allergic to rubber or latex. The needle cover on the prefilled syringe and SmartJect autoinjector contains dry natural rubber.
- are pregnant or planning to become pregnant. It is not known if SIMPONI will harm your unborn baby.
- are breastfeeding or plan to breastfeed. You and your doctor should decide if you will take SIMPONI or breastfeed.

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

Especially, tell your doctor if you:
- use ORENCIA (abatacept) or KINERET (anakinra). You should not take SIMPONI while you are also taking ORENCIA (abatacept) or KINERET (anakinra).
- use other TNF-blocker medicines, including REMICADE (infliximab), HUMIRA (adalimumab), ENBREL (etanercept), or CIMZIA (certolizumab pegol).
- receive RITUXAN (rituximab) or ACTEMRA (tocilizumab).

Ask your doctor if you are not sure if your medicine is one listed above.

Keep a list of all your medicines with you to show your doctor and pharmacist each time you get a new medicine.

**How should I use SIMPONI?**
- SIMPONI is given as an injection under the skin (subcutaneous injection).
- If your doctor decides that you or a caregiver may be able to give your injections of SIMPONI at home, you should receive training on the right way to prepare and inject SIMPONI. Do not try to inject SIMPONI yourself until you have been shown the right way to give the injections by your doctor or nurse.
- Use SIMPONI exactly as prescribed by your doctor. Your doctor will tell you how much SIMPONI to inject and when to inject it depending on your medical condition.
- SIMPONI comes in a prefilled syringe or SmartJect autoinjector. Your doctor will prescribe the type that is best for you.
- See the detailed Instructions for Use that comes with your SIMPONI for information about the right way to prepare and give your SIMPONI injections at home.
- Do not miss any doses of SIMPONI. If you forget to use SIMPONI, inject your dose as soon as you remember. Then, take your next dose at your regular scheduled time. In case you are not sure when to inject SIMPONI, call your doctor or pharmacist.
What are the possible side effects of SIMPONI?

SIMPONI can cause serious side effects, including:

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

Serious Infections.

- Some patients have an increased chance of getting serious infections while receiving SIMPONI. These serious infections include TB and infections caused by viruses, fungi, or bacteria that have spread throughout the body. Some patients die from these infections. If you get an infection while receiving treatment with SIMPONI, your doctor will treat your infection and may need to stop your SIMPONI treatment. Tell your doctor right away if you have any of the following signs of an infection while taking or after taking SIMPONI:
  - a fever
  - feel very tired
  - have a cough

- Your doctor will examine you for TB and perform a test to see if you have TB. If your doctor feels that you are at risk for TB, you may be treated with medicine for TB before you begin treatment with SIMPONI and during treatment with SIMPONI. Even if your TB test is negative your doctor should carefully monitor you for TB infections while you are taking SIMPONI. People who had a negative TB skin test before receiving SIMPONI have developed active TB. Tell your doctor if you have any of the following symptoms while taking or after taking SIMPONI:
  - cough that does not go away
  - low grade fever
  - vomiting
  - muscle aches

Hepatitis B infection in people who carry the virus in their blood.

- If you are a carrier of the hepatitis B virus (a virus that affects the liver), the virus can become active while you use SIMPONI. Your doctor should do blood tests before you start treatment with SIMPONI and while you are using SIMPONI. Tell your doctor if you have any of the following symptoms of a possible hepatitis B infection:
  - feel very tired
  - dark urine
  - skin or eyes look yellow
  - little or no appetite
  - vomiting
  - muscle aches

  - clay-colored bowel movements
  - fevers
  - chills
  - stomach discomfort
  - skin rash

Heart failure, including new heart failure or worsening of heart failure that you already have, can happen in people who use TNF-blocker medicines including SIMPONI. If you develop new or worsening heart failure with SIMPONI, you may need to be treated in a hospital, and it may result in death.

- If you have heart failure before starting SIMPONI, your condition should be watched closely during treatment with SIMPONI.
- Call your doctor right away if you get new or worsening symptoms of heart failure during treatment with SIMPONI (such as shortness of breath or swelling of your lower legs or feet, or sudden weight gain).

Nervous System Problems. Rarely, people using TNF-blocker medicines, including SIMPONI, have developed symptoms that are like the symptoms of multiple sclerosis or Guillain-Barré syndrome. Tell your doctor right away if you get any of these symptoms:

- vision changes
- numbness or tingling in any part of your body
- weakness in your arms or legs

Immune System Problems. Rarely, people using TNF-blocker medicines have developed symptoms that are like the symptoms of Lupus. Tell your doctor if you have any of these symptoms:

- a rash on your cheeks or other parts of the body
- sensitivity to the sun
- new joint or muscle pains
- becoming very tired
- chest pain or shortness of breath
- swelling of the feet, ankles, or legs

Liver Problems. Liver problems can happen in people who use TNF-blocker medicines, including SIMPONI. These problems can lead to liver failure and death. Call your doctor right away if you have any of these symptoms:

- feel very tired
- skin or eyes look yellow
- poor appetite or vomiting
- pain on the right side of your stomach (abdomen)

Blood Problems. Low blood counts have been seen with SIMPONI. Your body may not make enough blood cells that help fight infections or help stop bleeding. Symptoms include fever, bruising or bleeding easily, or looking pale. Your doctor will check your blood counts before and during treatment with SIMPONI.
What are the possible side effects of SIMPONI? (continued)

Allergic Reactions. Allergic reactions can happen in people who use TNF-blocker medicines, including SIMPONI. Some reactions may be serious and can be life-threatening. Some of these reactions can happen after receiving your first dose of SIMPONI. Call your doctor right away if you have any of these symptoms of an allergic reaction:
• hives
• swollen face
• breathing trouble
• chest pain

The most common side effects of SIMPONI include:
• upper respiratory infection (runny nose, sore throat, and hoarseness or laryngitis)
• reaction at the site of injection (redness, swelling, itching, pain, bruising, or tingling)
• viral infections such as flu and oral cold sores

Psoriasis. Some people using SIMPONI had new psoriasis or worsening of psoriasis they already had. Tell your doctor if you develop red scaly patches or raised bumps that are filled with pus. Your doctor may decide to stop your treatment with SIMPONI.

These are not all of the possible side effects of SIMPONI. Tell your doctor about any side effect that bothers you or does 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 SIMPONI?
• Refrigerate SIMPONI at 36°F to 46°F (2°C to 8°C).
• If needed, you may store SIMPONI at room temperature up to 77°F (25°C) for one period of time up to 30 days.
  ○ Write the date of that you remove SIMPONI from the refrigerator on the carton.
  ○ If SIMPONI has reached room temperature, do not put it back in the refrigerator.
  ○ Throw away SIMPONI if it has been kept at room temperature for 30 days and has not been used.
• Do not freeze SIMPONI.
• Do not shake SIMPONI.
• Do not use SIMPONI after the expiration date on the carton or on the prefilled syringe or SmartJect autoinjector.

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

General information about the safe and effective use of SIMPONI.

Medicines are sometimes prescribed for purposes other than those listed in a Medication Guide. Do not use SIMPONI for a condition for which it was not prescribed. Do not give SIMPONI 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 SIMPONI. If you would like more information, talk to your doctor. You can ask your doctor or pharmacist for information about SIMPONI that is written for health professionals. For more information go to www.simponi.com or call 1-800-JANSSEN (1-800-526-7736).

What are the ingredients in SIMPONI?

Active ingredient: golimumab.

Inactive ingredients: L-histidine, L-histidine monohydrochloride monohydrate, polysorbate 80, sorbitol, and water for injection. SIMPONI does not contain preservatives.

Manufactured by: Janssen Biotech, Inc. Horsham, PA 19044 US License No. 1864 © 2014 Janssen Pharmaceutical Companies
Instructions for Use
SIMPONI® (SIM-po-nee) (golimumab)
SmartJect® autoinjector

Important

If your doctor decides that you or a caregiver may be able to give your SIMPONI injections at home, you should receive training on the right way to prepare and inject SIMPONI using SmartJect.

Do not try to inject SIMPONI yourself until you have been shown the right way to give the injections by your doctor or nurse.

Please read this Instructions for Use before using SIMPONI SmartJect and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your doctor about your medical condition or your treatment.

Store in refrigerator

36°F to 46°F (2°C to 8°C)

If needed, store SIMPONI at room temperature, up to 77°F (25°C) for one period of time up to 30 days. Do not return it to the refrigerator. Throw away (dispose of) if not used within 30 days at room temperature.

Do not freeze SmartJect.

Do not shake SmartJect.

Keep SIMPONI in the original carton to protect from light before use.

Keep SIMPONI and all medicines out of the reach of children.
1. Prepare for your injection

**Take out SmartJect**
Take SmartJect out of the refrigerator and remove it from the carton. Place on a flat surface out of reach of children.

SmartJect should sit at room temperature for at least **30 minutes** to ensure proper injection.

**Do not** warm any other way.

**Do not** remove the cap yet.

**Inspect SmartJect**
Check the expiration date ("EXP") on the back of SmartJect.

**Do not use SIMPONI SmartJect if the expiration date has passed.** Call your doctor or pharmacist for a refill.

Check the security seal on the cap.

**Do not** inject if the seal is broken.

**Gather supplies**
While SmartJect sits at room temperature for 30 minutes, gather your supplies:

- 1 Alcohol swab
- 1 Cotton ball or gauze pad
- 1 Sharps container (See Step 3)

**Check liquid in the SmartJect**
After 30 minutes, check the liquid in the viewing window. It should be clear to slightly yellow and may contain tiny white or clear particles.

It is also normal to see a small air bubble.

**Do not** inject if the liquid is cloudy or discolored, or has large particles.
Choose injection site

Select from the following areas for your injection:

1. **Front of thighs** (recommended)
2. Lower abdomen *(do not use the 2-inch area around your navel (belly-button))*
3. Back of upper arms *(if a caregiver is giving you the injection)*

Choose a different site within your preferred area for each injection.

**Do not** inject into skin that is tender, bruised, red, scaly or hard.

**Do not** inject into areas with scars or stretch marks.

Clean injection site

Wash your hands well with soap and warm water.

Wipe your chosen injection site with an alcohol swab and allow it to dry.

**Do not** touch, fan or blow on the injection site after you have cleaned it.
2. Inject SIMPONI using SmartJect

**Remove cap**
Twist the cap to break the security seal, then pull it straight off. Dispose of the cap right away.

*It is important to **inject within 5 minutes** of removing the cap.*

Do **not** put the cap back on, this may damage the hidden needle.

Do **not** inject if SmartJect is dropped **without** the cap on.

**Position**
Hold SmartJect comfortably and position it straight onto your skin, as shown.

Make sure the green safety sleeve is flat against your skin and that your injection site is as flat as possible.

Do **not** touch or press the button while positioning the SmartJect onto your skin.

**Push firmly**
Push SmartJect **firmly** against your skin so the green safety sleeve slides into the clear cover.

Do **not** touch or press the button while pushing SmartJect against your skin.

⚠️ **The green safety sleeve helps prevent accidental injections.**
You will not be able to press the button to start your injection until SmartJect is pushed firmly enough against your skin for the green safety sleeve to slide into the clear cover.
2. Inject SIMPONI using SmartJect (continued)

Press button and wait
Keep holding SmartJect firmly against your skin. Use your other hand to press the raised part of the button to start your injection.
You will hear a loud 1st ‘click’ as you press the button. This is normal, the medication is just beginning to be delivered. You may or may not feel a needle prick.
Do not lift SmartJect up yet! This may result in loss of medication.
After 1 press of the button, you do not need to keep pressure on the button.
Wait for the 2nd ‘click’ which means your injection is complete.

Listen for 2nd ‘click’
Keep holding SmartJect firmly against your skin until you hear the 2nd ‘click’ (3–15 seconds).
The 2nd ‘click’ means the injection is complete and you can lift SmartJect from your skin.
If you have trouble hearing the ‘clicks’, count to 15 after pressing the button, then lift the SmartJect off your skin.

Check the viewing window
After lifting SmartJect from your skin, look for the yellow indicator in the viewing window to confirm SmartJect worked properly. The yellow indicator will fill about half of the viewing window.
If you do not see the yellow indicator, call 800-JANSSEN (800-526-7736).
Do not administer a second dose without speaking to your doctor.
3. After your injection

Dispose of your SmartJect
Put your used SmartJect in an FDA-cleared sharps disposal container right away after use.

Do not throw away (dispose of) loose needles and syringes in your household trash.

Do not recycle your used sharps disposal container.

For more information, see “Helpful tips”.

Check injection site
There may be a small amount of blood or liquid at the injection site.

Hold pressure over your skin with a cotton ball or gauze pad until any bleeding stops.

Do not rub the injection site.

If needed, cover injection site with a bandage. Your injection is now complete!
Helpful tips

If you are having difficulty injecting:

✓ Make sure the cap is removed.
✓ Make sure SmartJect is pushed firmly against your skin.
✓ Make sure you are pressing the raised part of button.
✓ Try pressing the button a little harder.
✓ Try a different injection site.

If you are pinching the skin to inject:

Use 1 hand to both position SmartJect against the skin and press the button.

Additional disposal information:

If you do not have an FDA-cleared sharps disposal container, you may use a household container that is:

• made of a heavy-duty plastic
• can be closed with a tight-fitting, puncture-resistant lid, without sharps being able to come out
• upright and stable during use
• leak-resistant
• properly labeled to warn of hazardous waste inside the container

When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles and syringes.

For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA’s website at: www.fda.gov/safesharpsdisposal

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

Manufactured by:
Janssen Biotech, Inc.
Horsham, PA 19044
US License No. 1864
Revised: May 2018
Instructions for Use

SIMPONI® (SIM-po-nee) (golimumab)
Prefilled Syringe

Important

SIMPONI comes as a single-dose prefilled syringe containing one 50 mg or one 100 mg dose. Each SIMPONI prefilled syringe can only be used one time. Throw away (dispose of) the used prefilled syringe (See Step 3) after one dose, even if there is medicine left in it. Do not reuse your SIMPONI prefilled syringe.

If your healthcare provider decides that you or a caregiver may be able to give your injections of SIMPONI at home, you should receive training on the right way to prepare and inject SIMPONI using the prefilled syringe before attempting to inject. Do not try to inject yourself until you have been shown the right way to give the injections by your healthcare provider.

Read this Instructions for Use before using your SIMPONI prefilled syringe and each time you get a refill. There may be new information. This leaflet does not take the place of talking with your healthcare provider about your medical condition or your treatment.

The SIMPONI prefilled syringe is intended for injection under the skin, not into the muscle or vein. After injection, the needle will retract into the body of the device and lock into place.

Storage information

Store SIMPONI in the refrigerator at 36°F to 46°F (2°C to 8°C). If needed, store SIMPONI at room temperature, up to 77°F (25°C) for one period of time up to 30 days. Do not return it to the refrigerator. Throw away if not used within 30 days at room temperature.

- Do not freeze SIMPONI prefilled syringe.
- Do not shake SIMPONI prefilled syringe.

Keep SIMPONI prefilled syringe in the original carton to protect from light before use.

Keep SIMPONI prefilled syringe and all medicines out of the reach of children.
Prefilled syringe parts

Before use

- **Plunger**
  - Do not hold or pull plunger at any time.

- **Safety guard**

- **Finger flange**

- **Body**
  - Hold syringe body below finger flange.

- **Viewing window**

- **Needle cover**
  - Do not remove until you are ready to inject SIMPONI (See Step 2).

After use

- **Plunger locks**

- **Safety guard activates**

- **Needle retracts into the body**

---

**You will need these supplies:**
- 1 SIMPONI prefilled syringe

*Not provided in the SIMPONI prefilled syringe carton:*
- 1 Alcohol swab
- 1 Cotton ball or gauze pad
- 1 Adhesive bandage
- 1 Sharps container (See Step 3)
1. Prepare for your injection

Inspect carton
Remove your SIMPONI prefilled syringe carton from the refrigerator.

Remove the prefilled syringe from the carton and let it sit on a flat surface at room temperature for **at least 30 minutes** before use.

**Do not** warm the prefilled syringe any other way.

Check the expiration date (‘EXP’) on the back panel of the carton and on the prefilled syringe (through the viewing window).

**Do not** use your prefilled syringe if the expiration date has passed.

**Do not** inject SIMPONI if the perforations on the carton are broken. Call your healthcare provider or pharmacist for a refill.

Choose injection site
Select from the following areas for your injection:

- **Front of thighs** (recommended)
- Lower stomach area (lower abdomen), except for a 2-inch area right around your navel (belly-button)
- Back of upper arms (only if someone else is giving you the injection)

Choose a different site within your preferred area for each injection.

**Do not** inject into skin that is tender, bruised, red, hard, thick or scaly.

**Do not** inject into areas with scars or stretch marks.
1. Prepare for your injection (continued)

**Clean injection site**
Wash your hands well with soap and warm water.
Wipe your chosen injection site with an alcohol swab and allow it to dry.
**Do not** touch, fan, or blow on the injection site after you have cleaned it.

**Inspect liquid**
Check the SIMPONI prefilled syringe liquid in the viewing window. It should be clear to slightly yellow and may contain tiny white or clear particles. You may also see one or more air bubbles. This is normal.
**Do not** inject if the liquid is cloudy or discolored, or has large particles. Call your healthcare provider or pharmacist for a refill.
2. Inject SIMPONI using prefilled syringe

**Remove needle cover**
Hold your prefilled syringe by the body and pull needle cover straight off. It is normal to see a drop of liquid.

**Inject SIMPONI within 5 minutes of removing the needle cover.**

**Do not** put needle cover back on, as this may damage the needle or cause a needle stick injury.

**Do not** touch needle or let it touch any surface.

**Do not** use a SIMPONI prefilled syringe if it is dropped. Call your healthcare provider or pharmacist for a refill.

**Position fingers and insert needle**
Place your thumb, index and middle fingers **directly under the finger flange**, as shown.

**Do not** touch plunger or area above finger flange as this may cause the needle safety device to activate.

Use your other hand to pinch skin at the injection site. Position syringe at about a 45 degree angle to the skin.

It is important to pinch enough skin to **inject under the skin** and not into the muscle.

Insert needle with a quick, dart-like motion.

**Release pinch and reposition hand**
Use your free hand to grasp the body of the prefilled syringe.
2. Inject SIMPONI using prefilled syringe (continued)

Press plunger
Place thumb from the opposite hand on the plunger and press the plunger all the way down until it stops.

Release pressure from plunger
The safety guard will cover the needle and lock into place, removing the needle from your skin.
3. After your injection

Dispose of your prefilled syringe

Put your used SIMPONI prefilled syringe in an FDA-cleared sharps disposal container right away after use.

Do not throw away (dispose of) your SIMPONI prefilled syringe in your household trash.

Do not recycle your used sharps disposal container.

For more information, see “How should I dispose of the used prefilled syringe?”

Check injection site

There may be a small amount of blood or liquid at the injection site. Hold pressure over your skin with a cotton ball or gauze pad until any bleeding stops.

Do not rub the injection site. If needed, cover injection site with a bandage.

Need help?

Call your healthcare provider to talk about any questions you may have. For additional assistance or to share your feedback call 800-JANSSEN (800-526-7736).

How should I dispose of the used prefilled syringe?

If you do not have an FDA-cleared sharps disposal container, you may use a household container that is:

- made of a heavy-duty plastic
- can be closed with a tight-fitting, puncture-resistant lid, without sharps being able to come out
- upright and stable during use
- leak-resistant
- properly labeled to warn of hazardous waste inside the container

When your sharps disposal container is almost full, you will need to follow your community guidelines for the right way to dispose of your sharps disposal container. There may be state or local laws about how you should throw away used needles and syringes.

For more information about safe sharps disposal, and for specific information about sharps disposal in the state that you live in, go to the FDA’s website at: www.fda.gov/safesharpsdisposal

This Instructions for Use has been approved by the U.S. Food and Drug Administration.

Manufactured by: Janssen Biotech, Inc. Horsham, PA 19044
US License No. 1864
Revised: May 2018