

**HIGHLIGHTS OF PRESCRIBING INFORMATION**

These highlights do not include all the information needed to use SIMPONI® (golimumab) safely and effectively. See full prescribing information for SIMPONI.

**SIMPONI (golimumab)**  
Injection, solution for subcutaneous use  
Initial U.S. Approval: 2009

**WARNINGS: SERIOUS INFECTIONS AND MALIGNANCY**

See full prescribing information for complete boxed warning.

- Serious infections leading to hospitalization or death including tuberculosis (TB), bacterial sepsis, invasive fungal (such as histoplasmosis), and other opportunistic infections have occurred in patients receiving SIMPONI (5.1).
- SIMPONI should be discontinued if a patient develops a serious infection or sepsis (5.1).
- Perform test for latent TB; if positive, start treatment for TB prior to starting SIMPONI (5.1).
- Monitor all patients for active TB during treatment, even if initial latent TB test is negative (5.1).
- Lymphoma and other malignancies, some fatal, have been reported in children and adolescent patients treated with TNF blockers, of which SIMPONI is a member (5.2).

**RECENT MAJOR CHANGES**

Boxed Warning, SERIOUS INFECTIONS	9/2011
Dosage and Administration (2.2)	8/2011
Warnings and Precautions, Serious Infections (5.1)	9/2011
Warnings and Precautions, Congestive Heart Failure (5.3)	3/2011
Warnings and Precautions, Demyelinating Disorders (5.4)	12/2011
Warnings and Precautions, Switching Between Biological Disease Modifying Antirheumatic Drugs (DMARDs) (5.7)	3/2011
Warnings and Precautions, Hematologic Cytopenias (5.8)	3/2011
Warnings and Precautions, Hypersensitivity Reactions (5.10)	8/2011

**INDICATIONS AND USAGE**

SIMPONI is a tumor necrosis factor (TNF) blocker indicated for the treatment of:

- Moderately to severely active Rheumatoid Arthritis (RA) in adults, in combination with methotrexate (1.1)
- Active Psoriatic Arthritis (PsA) in adults, alone or in combination with methotrexate (1.2)
- Active Ankylosing Spondylitis in adults (AS) (1.3)

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**DOSAGE AND ADMINISTRATION**

Rheumatoid Arthritis, Psoriatic Arthritis, and Ankylosing Spondylitis (2.1)

- 50 mg administered by subcutaneous injection once a month.

**DOSAGE FORMS AND STRENGTHS**

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

**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 anti-viral therapy (5.1).
- Malignancies – The incidence of lymphoma was seen more often than in the general U.S. population. Cases of other malignancies have been observed among patients receiving TNF-blockers (5.2).
- Heart failure – Worsening, or new onset, may occur. Stop SIMPONI if new or worsening symptoms occur (5.3).
- Demyelinating disease, exacerbation or new onset, may occur (5.4).
- Hypersensitivity Reactions – Serious systemic hypersensitivity reactions including anaphylaxis may occur (5.10).

**ADVERSE REACTIONS**

Most common adverse reactions (incidence > 5%): upper respiratory tract infection, nasopharyngitis (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](http://www.fda.gov/medwatch).**

**DRUG INTERACTIONS**

- Abatacept – increased risk of serious infection (5.1, 5.5, 7.2)
- Anakinra – increased risk of serious infection (5.1, 5.6, 7.2).
- Live vaccines – should not be given with SIMPONI (5.9, 7.3).

**See 17 for PATIENT COUNSELING INFORMATION and Medication Guide.**

Revised: 12/2011

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\*Sections or subsections omitted from the full prescribing information are not listed.

1 **FULL PRESCRIBING INFORMATION**

2  
3 **WARNINGS: SERIOUS INFECTIONS and MALIGNANCY**

4 **SERIOUS INFECTIONS**

5 Patients treated with SIMPONI® are at increased risk for developing serious infections that  
6 may lead to hospitalization or death [see Warnings and Precautions (5.1)]. Most patients who  
7 developed these infections were taking concomitant immunosuppressants such as  
8 methotrexate or corticosteroids.

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10 SIMPONI should be discontinued if a patient develops a serious infection.

11  
12 Reported infections with TNF-blockers, of which SIMPONI is a member, include:

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- 15 • Active tuberculosis, including reactivation of latent tuberculosis. Patients with  
16 tuberculosis have frequently presented with disseminated or extrapulmonary disease.  
17 Patients should be tested for latent tuberculosis before SIMPONI use and during  
18 therapy. Treatment for latent infection should be initiated prior to SIMPONI use.
  - 19 • Invasive fungal infections, including histoplasmosis, coccidioidomycosis, candidiasis,  
20 aspergillosis, blastomycosis and pneumocystosis. Patients with histoplasmosis or  
21 other invasive fungal infections may present with disseminated, rather than localized,  
22 disease. Antigen and antibody testing for histoplasmosis may be negative in some  
23 patients with active infection. Empiric anti-fungal therapy should be considered in  
24 patients at risk for invasive fungal infections who develop severe systemic illness.
  - 25 • Bacterial, viral, and other infections due to opportunistic pathogens, including  
26 Legionella and Listeria.
- 27  
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29 The risks and benefits of treatment with SIMPONI should be carefully considered prior to  
30 initiating therapy in patients with chronic or recurrent infection.

31  
32 Patients should be closely monitored for the development of signs and symptoms of infection  
33 during and after treatment with SIMPONI, including the possible development of  
34 tuberculosis in patients who tested negative for latent tuberculosis infection prior to  
35 initiating therapy [see Warnings and Precautions (5.1)].

36  
37 **MALIGNANCY**

38 Lymphoma and other malignancies, some fatal, have been reported in children and  
39 adolescent patients treated with TNF blockers, of which SIMPONI is a member [see  
40 Warnings and Precautions (5.2)].

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43 **1 INDICATIONS AND USAGE**

44 **1.1 Rheumatoid Arthritis**

45 SIMPONI, in combination with methotrexate, is indicated for the treatment of adult patients with  
46 moderately to severely active rheumatoid arthritis.

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### 1.2 Psoriatic Arthritis

SIMPONI, alone or in combination with methotrexate, is indicated for the treatment of adult patients with active psoriatic arthritis.

### 1.3 Ankylosing Spondylitis

SIMPONI is indicated for the treatment of adult patients with active ankylosing spondylitis.

## 2 DOSAGE AND ADMINISTRATION

### 2.1 Rheumatoid Arthritis, Psoriatic Arthritis, Ankylosing Spondylitis

The SIMPONI dose regimen is 50 mg administered by subcutaneous injection once a month.

For patients with rheumatoid arthritis (RA), SIMPONI should be given in combination with methotrexate and for patients with psoriatic arthritis (PsA) or ankylosing spondylitis (AS), SIMPONI may be given with or without methotrexate or other non-biologic Disease Modifying Antirheumatic Drugs (DMARDs). For patients with RA, PsA, or AS, corticosteroids, non-biologic DMARDs, and/or NSAIDs may be continued during treatment with SIMPONI.

### 2.2 Monitoring to Assess Safety

Prior to initiating SIMPONI and periodically during therapy, patients should be evaluated for active tuberculosis and tested for latent infection [*see Warnings and Precautions (5.1)*]. Prior to initiating SIMPONI, patients should be tested for hepatitis B viral infection [*see Warnings and Precautions (5.1)*].

### 2.3 General Considerations for Administration

SIMPONI is intended for use under the guidance and supervision of a physician. After proper training in subcutaneous injection technique, a patient may self inject with SIMPONI if a physician determines that it is appropriate. Patients should be instructed to follow the directions provided in the Medication Guide (*see Medication Guide*). To ensure proper use, allow the prefilled syringe or autoinjector to sit at room temperature outside the carton for 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 should be clear to slightly opalescent and colorless to light yellow. The solution should not be used if discolored, or cloudy, or if foreign particles are present. Any leftover product remaining in the prefilled syringe or prefilled autoinjector should not be used. NOTE: The needle cover on the prefilled syringe as well as the prefilled syringe in the autoinjector contains dry natural rubber (a derivative of latex), which should not be handled by persons sensitive to latex.

Injection sites should be rotated and injections should never be given into areas where the skin is tender, bruised, red, or hard.

## 3 DOSAGE FORMS AND STRENGTHS

### SmartJect<sup>®</sup> Autoinjector

Each single dose SmartJect autoinjector contains a prefilled glass syringe (27 gauge ½ inch) providing 50 mg of SIMPONI per 0.5 mL of solution.

94 **Prefilled Syringe**

95 Each single dose prefilled glass syringe (27 gauge ½ inch) contains 50 mg of SIMPONI per 0.5  
96 mL of solution.

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98 **4 CONTRAINDICATIONS**

99 None.

100  
101 **5 WARNINGS AND PRECAUTIONS (see Boxed WARNING)**

102 **5.1 Serious Infections**

103 Patients treated with SIMPONI are at increased risk for developing serious infections involving  
104 various organ systems and sites that may lead to hospitalization or death.

105  
106 Opportunistic infections due to bacterial, mycobacterial, invasive fungal, viral, or parasitic  
107 organisms including aspergillosis, blastomycosis, candidiasis, coccidioidomycosis, histoplasmosis,  
108 legionellosis, listeriosis, pneumocystosis, and tuberculosis have been reported with TNF-blockers.  
109 Patients have frequently presented with disseminated rather than localized disease. The  
110 concomitant use of a TNF-blocker and abatacept or anakinra was associated with a higher risk of  
111 serious infections; therefore, the concomitant use of SIMPONI and these biologic products is not  
112 recommended [*see Warnings and Precautions (5.5, 5.6) and Drug Interactions (7.2)*].

113  
114 Treatment with SIMPONI should not be initiated in patients with an active infection, including  
115 clinically important localized infections. Patients greater than 65 years of age, patients with co-  
116 morbid conditions and/or patients taking concomitant immunosuppressants such as corticosteroids  
117 or methotrexate may be at greater risk of infection. The risks and benefits of treatment should be  
118 considered prior to initiating SIMPONI in patients:

- 119
- 120 • with chronic or recurrent infection;
  - 121 • who have been exposed to tuberculosis;
  - 122 • with a history of an opportunistic infection;
  - 123 • who have resided or traveled in areas of endemic tuberculosis or endemic mycoses, such as  
124 histoplasmosis, coccidioidomycosis, or blastomycosis; or
  - 125 • with underlying conditions that may predispose them to infection.

126 **Monitoring**

127 Patients should be closely monitored for the development of signs and symptoms of infection  
128 during and after treatment with SIMPONI. SIMPONI should be discontinued if a patient develops  
129 a serious infection, an opportunistic infection, or sepsis. A patient who develops a new infection  
130 during treatment with SIMPONI should undergo a prompt and complete diagnostic workup  
131 appropriate for an immunocompromised patient, appropriate antimicrobial therapy should be  
132 initiated, and the patient should be closely monitored.

133  
134 **Serious Infection in Clinical Trials**

135 In controlled Phase 3 trials through Week 16 in patients with RA, PsA, and AS, serious infections  
136 were observed in 1.4% of SIMPONI-treated patients and 1.3% of control-treated patients. In the  
137 controlled Phase 3 trials through Week 16 in patients with RA, PsA, and AS, the incidence of  
138 serious infections per 100 patient-years of follow-up was 5.7 (95% CI: 3.8, 8.2) for the SIMPONI  
139 group and 4.2 (95% CI: 1.8, 8.2) for the placebo group. Serious infections observed in SIMPONI-

140 treated patients included sepsis, pneumonia, cellulitis, abscess, tuberculosis, invasive fungal  
141 infections, and hepatitis B infection.

142  
143 ***Tuberculosis***

144 Cases of reactivation of tuberculosis or new tuberculosis infections have been observed in patients  
145 receiving TNF-blockers, including patients who have previously received treatment for latent or  
146 active tuberculosis. Patients should be evaluated for tuberculosis risk factors and tested for latent  
147 infection prior to initiating SIMPONI and periodically during therapy.

148  
149 Treatment of latent tuberculosis infection prior to therapy with TNF-blockers has been shown to  
150 reduce the risk of tuberculosis reactivation during therapy. Induration of 5 mm or greater with  
151 tuberculin skin testing should be considered a positive test result when assessing if treatment for  
152 latent tuberculosis is needed prior to initiating SIMPONI, even for patients previously vaccinated  
153 with Bacille Calmette-Guerin (BCG).

154  
155 Anti-tuberculosis therapy should also be considered prior to initiation of SIMPONI in patients  
156 with a past history of latent or active tuberculosis in whom an adequate course of treatment cannot  
157 be confirmed, and for patients with a negative test for latent tuberculosis but having risk factors  
158 for tuberculosis infection. Consultation with a physician with expertise in the treatment of  
159 tuberculosis is recommended to aid in the decision whether initiating anti-tuberculosis therapy is  
160 appropriate for an individual patient.

161  
162 Patients should be closely monitored for the development of signs and symptoms of tuberculosis  
163 including patients who tested negative for latent tuberculosis infection prior to initiating therapy.

164  
165 Tuberculosis should be strongly considered in patients who develop a new infection during  
166 SIMPONI treatment, especially in patients who have previously or recently traveled to countries  
167 with a high prevalence of tuberculosis, or who have had close contact with a person with active  
168 tuberculosis.

169  
170 In the controlled and uncontrolled portions of the Phase 2 RA and Phase 3 RA, PsA, and AS trials,  
171 the incidence of active TB was 0.23 and 0 per 100 patient-years in 2347 SIMPONI-treated patients  
172 and 674 placebo-treated patients, respectively. Cases of TB included pulmonary and extra  
173 pulmonary TB. The overwhelming majority of the TB cases occurred in countries with a high  
174 incidence rate of TB.

175  
176 ***Invasive Fungal Infections***

177 For SIMPONI-treated patients who reside or travel in regions where mycoses are endemic,  
178 invasive fungal infection should be suspected if they develop a serious systemic illness.  
179 Appropriate empiric antifungal therapy should be considered while a diagnostic workup is being  
180 performed. Antigen and antibody testing for histoplasmosis may be negative in some patients  
181 with active infection. When feasible, the decision to administer empiric antifungal therapy in  
182 these patients should be made in consultation with a physician with expertise in the diagnosis and  
183 treatment of invasive fungal infections and should take into account both the risk for severe fungal  
184 infection and the risks of antifungal therapy.

185

186 ***Hepatitis B Virus Reactivation***

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

192  
193 All patients should be tested for HBV infection before initiating TNF-blocker therapy. For  
194 patients who test positive for hepatitis B surface antigen, consultation with a physician with  
195 expertise in the treatment of hepatitis B is recommended before initiating TNF-blocker therapy.  
196 The risks and benefits of treatment should be considered prior to prescribing TNF-blockers,  
197 including SIMPONI, to patients who are carriers of HBV. Adequate data are not available on  
198 whether anti-viral therapy can reduce the risk of HBV reactivation in HBV carriers who are  
199 treated with TNF-blockers. Patients who are carriers of HBV and require treatment with TNF-  
200 blockers should be closely monitored for clinical and laboratory signs of active HBV infection  
201 throughout therapy and for several months following termination of therapy.

202  
203 In patients who develop HBV reactivation, TNF-blockers should be stopped and antiviral therapy  
204 with appropriate supportive treatment should be initiated. The safety of resuming TNF-blockers  
205 after HBV reactivation has been controlled is not known. Therefore, prescribers should exercise  
206 caution when considering resumption of TNF-blockers in this situation and monitor patients  
207 closely.

208  
209 **5.2 Malignancies**

210 Malignancies, some fatal, have been reported among children, adolescents, and young adults who  
211 received treatment with TNF-blocking agents (initiation of therapy  $\leq$  18 years of age), of which  
212 SIMPONI is a member. Approximately half the cases were lymphomas, including Hodgkin's and  
213 non-Hodgkin's lymphoma. The other cases represented a variety of malignancies, including rare  
214 malignancies that are usually associated with immunosuppression, and malignancies that are not  
215 usually observed in children and adolescents. The malignancies occurred after a median of 30  
216 months (range 1 to 84 months) after the first dose of TNF blocker therapy. Most of the patients  
217 were receiving concomitant immunosuppressants. These cases were reported post-marketing and  
218 are derived from a variety of sources, including registries and spontaneous postmarketing reports.

219  
220 The risks and benefits of TNF-blocker treatment including SIMPONI should be considered prior  
221 to initiating therapy in patients with a known malignancy other than a successfully treated non-  
222 melanoma skin cancer (NMSC) or when considering continuing a TNF-blocker in patients who  
223 develop a malignancy.

224  
225 In the controlled portions of clinical trials of TNF-blockers including SIMPONI, more cases of  
226 lymphoma have been observed among patients receiving anti-TNF treatment compared with  
227 patients in the control groups. During the controlled portions of the Phase 2 trials in RA, and the  
228 Phase 3 trials in RA, PsA and AS, the incidence of lymphoma per 100 patient-years of follow-up  
229 was 0.21 (95% CI: 0.03, 0.77) in the combined SIMPONI group compared with an incidence of 0  
230 (95% CI: 0., 0.96) in the placebo group. In the controlled and uncontrolled portions of these  
231 clinical trials in 2347 SIMPONI-treated patients with a median follow-up of 1.4 years, the  
232 incidence of lymphoma was 3.8-fold higher than expected in the general U.S. population

233 according to the SEER database (adjusted for age, gender, and race).<sup>1</sup> Patients with RA and other  
234 chronic inflammatory diseases, particularly patients with highly active disease and/or chronic  
235 exposure to immunosuppressant therapies, may be at higher risk (up to several fold) than the  
236 general population for the development of lymphoma, even in the absence of TNF-blocking  
237 therapy. Cases of acute and chronic leukemia have been reported with postmarketing TNF-  
238 blocker use in rheumatoid arthritis and other indications. Even in the absence of TNF blocker  
239 therapy, patients with rheumatoid arthritis may be at a higher risk (approximately 2-fold) than the  
240 general population for the development of leukemia.  
241

242 During the controlled portions of the Phase 2 trial in RA, and the Phase 3 trials in RA, PsA and  
243 AS, the incidence of malignancies other than lymphoma per 100 patient-years of follow-up was  
244 not elevated in the combined SIMPONI group compared with the placebo group. In the controlled  
245 and uncontrolled portions of these trials, the incidence of malignancies, other than lymphoma, in  
246 SIMPONI-treated patients was similar to that expected in the general U.S. population according to  
247 the SEER database (adjusted for age, gender, and race).<sup>1</sup>  
248

249 In controlled trials of other TNF-blockers in patients at higher risk for malignancies (e.g., patients  
250 with COPD, patients with Wegener's granulomatosis treated with concomitant cyclophosphamide)  
251 a greater portion of malignancies occurred in the TNF-blocker group compared to the controlled  
252 group. In an exploratory 1-year clinical trial evaluating the use of 50, 100 and 200 mg of  
253 SIMPONI in 309 patients with severe persistent asthma, 6 patients developed malignancies other  
254 than NMSC in the SIMPONI groups compared to none in the control group. Three of the 6  
255 patients were in the 200 mg SIMPONI group.  
256

### 257 **5.3 Congestive Heart Failure**

258 Cases of worsening congestive heart failure (CHF) and new onset CHF have been reported with  
259 TNF-blockers, including SIMPONI. In several exploratory trials of other TNF-blockers in the  
260 treatment of CHF, there were greater proportions of TNF-blocker treated patients who had CHF  
261 exacerbations requiring hospitalization or increased mortality. SIMPONI has not been studied in  
262 patients with a history of CHF and SIMPONI should be used with caution in patients with CHF.  
263 If a decision is made to administer SIMPONI to patients with CHF, these patients should be  
264 closely monitored during therapy, and SIMPONI should be discontinued if new or worsening  
265 symptoms of CHF appear.  
266

### 267 **5.4 Demyelinating Disorders**

268 Use of TNF-blockers, of which SIMPONI is a member, has been associated with rare cases of new  
269 onset or exacerbation of central nervous system (CNS) demyelinating disorders, including  
270 multiple sclerosis (MS) and peripheral demyelinating disorders, including Guillain-Barré  
271 syndrome. Cases of central demyelination, MS, optic neuritis, and peripheral demyelinating  
272 polyneuropathy have rarely been reported in patients treated with SIMPONI [see *Adverse*  
273 *Reactions (6.1)*]. Prescribers should exercise caution in considering the use of TNF-blockers,  
274 including SIMPONI, in patients with central or peripheral nervous system demyelinating  
275 disorders. Discontinuation of SIMPONI should be considered if these disorders develop.  
276

### 277 **5.5 Use with Abatacept**

278 In controlled trials, the concurrent administration of another TNF-blocker and abatacept was  
279 associated with a greater proportion of serious infections than the use of a TNF-blocker alone; and  
280 the combination therapy, compared to the use of a TNF-blocker alone, has not demonstrated  
281 improved clinical benefit in the treatment of RA. Therefore, the combination of TNF-blockers  
282 including SIMPONI and abatacept is not recommended [*see Drug Interactions (7.2)*].  
283

#### 284 **5.6 Use with Anakinra**

285 Concurrent administration of anakinra (an interleukin-1 antagonist) and another TNF-blocker, was  
286 associated with a greater portion of serious infections and neutropenia and no additional benefits  
287 compared with the TNF-blocker alone. Therefore, the combination of anakinra with TNF-  
288 blockers, including SIMPONI, is not recommended [*see Drug Interactions (7.2)*].  
289

#### 290 **5.7 Switching Between Biological Disease Modifying Antirheumatic Drugs (DMARDs)**

291 Care should be taken when switching from one biologic to another since overlapping biological  
292 activity may further increase the risk of infection.  
293

#### 294 **5.8 Hematologic Cytopenias**

295 There have been post-marketing reports of pancytopenia, leukopenia, neutropenia, aplastic  
296 anemia, and thrombocytopenia in patients receiving TNF-blockers. In clinical studies, cases of  
297 pancytopenia, leukopenia, neutropenia, and thrombocytopenia have also occurred in SIMPONI-  
298 treated patients. Caution should be exercised when using TNF-blockers, including SIMPONI, in  
299 patients who have or have had significant cytopenias.  
300

#### 301 **5.9 Vaccinations**

302 Patients treated with SIMPONI may receive vaccinations, except for live vaccines. No data are  
303 available on the response to live vaccination or the risk of infection, or transmission of infection  
304 after the administration of live vaccines to patients receiving SIMPONI. In the Phase 3 PsA study,  
305 after pneumococcal vaccination, a similar proportion of SIMPONI-treated and placebo-treated  
306 patients were able to mount an adequate immune response of at least a 2-fold increase in antibody  
307 titers to pneumococcal polysaccharide vaccine. In both SIMPONI-treated and placebo-treated  
308 patients, the proportions of patients with response to pneumococcal vaccine were lower among  
309 patients receiving MTX compared with patients not receiving MTX. The data suggest that  
310 SIMPONI does not suppress the humoral immune response to the pneumococcal vaccine.  
311

#### 312 **5.10 Hypersensitivity Reactions**

313 In post-marketing experience, serious systemic hypersensitivity reactions (including anaphylactic  
314 reaction) have been reported following SIMPONI administration. Some of these reactions  
315 occurred after the first administration of SIMPONI. If an anaphylactic or other serious allergic  
316 reaction occurs, administration of SIMPONI should be discontinued immediately and appropriate  
317 therapy instituted.  
318

### 319 **6 ADVERSE REACTIONS**

320 Because clinical trials are conducted under widely varying conditions, adverse reaction rates  
321 observed in the clinical trials of a drug cannot be directly compared to rates in the clinical trials of  
322 another drug and may not reflect the rates observed in clinical practice.  
323

#### 324 **6.1 Clinical Studies Experience**

325 The safety data described below are based on 5 pooled, randomized, double-blind, controlled  
326 Phase 3 trials in patients with RA, PsA, and AS (Studies RA-1, RA-2, RA-3, PsA, and AS) [*see*  
327 *Clinical Studies (14.1, 14.2 and 14.3)*]. These 5 trials included 639 control-treated patients and  
328 1659 SIMPONI-treated patients including 1089 with RA, 292 with PsA, and 278 with AS. The  
329 proportion of patients who discontinued treatment due to adverse reactions in the controlled Phase  
330 3 trials through Week 16 in RA, PsA and AS was 2% for SIMPONI-treated patients and 3% for  
331 placebo-treated patients. The most common adverse reactions leading to discontinuation of  
332 SIMPONI in the controlled Phase 3 trials through Week 16 were sepsis (0.2%), alanine  
333 aminotransferase increased (0.2%), and aspartate aminotransferase increased (0.2%).  
334

335 The most serious adverse reactions were:

- 336 • Serious Infections [*see Warnings and Precautions (5.1)*]
  - 337 • Malignancies [*see Warnings and Precautions (5.2)*]
- 338

339 Upper respiratory tract infection and nasopharyngitis were the most common adverse reactions  
340 reported in the combined Phase 3 RA, PsA and AS trials through Week 16, occurring in 7% and  
341 6% of SIMPONI-treated patients as compared with 6% and 5% of control-treated patients,  
342 respectively.  
343

#### 344 ***Infections***

345 In controlled Phase 3 trials through Week 16 in RA, PsA, and AS, infections were observed in  
346 28% of SIMPONI-treated patients compared to 25% of control-treated patients [for Serious  
347 Infections, *see Warnings and Precautions (5.1)*].  
348

#### 349 ***Liver Enzyme Elevations***

350 There have been reports of severe hepatic reactions including acute liver failure in patients  
351 receiving TNF-blockers. In controlled Phase 3 trials of SIMPONI in patients with RA, PsA, and  
352 AS through Week 16, ALT elevations  $\geq 5 \times$  ULN occurred in 0.2% of control-treated patients and  
353 0.7% of SIMPONI-treated patients and ALT elevations  $\geq 3 \times$  ULN occurred in 2% of control-  
354 treated patients and 2% of SIMPONI-treated patients. Since many of the patients in the Phase 3  
355 trials were also taking medications that cause liver enzyme elevations (e.g., NSAIDs, MTX), the  
356 relationship between SIMPONI and liver enzyme elevation is not clear.  
357

#### 358 ***Autoimmune Disorders and Autoantibodies***

359 The use of TNF-blockers, including SIMPONI, has been associated with the formation of  
360 autoantibodies and, rarely, with the development of a lupus-like syndrome. In the controlled  
361 Phase 3 trials in patients with RA, PsA, and AS through Week 14, there was no association of  
362 SIMPONI treatment and the development of newly positive anti-dsDNA antibodies.  
363

#### 364 ***Injection Site Reactions***

365 In controlled Phase 3 trials through Week 16 in RA, PsA and AS, 6% of SIMPONI-treated  
366 patients had injection site reactions compared with 2% of control-treated patients. The majority of  
367 the injection site reactions were mild and the most frequent manifestation was injection site  
368 erythema. In controlled Phase 2 and 3 trials in RA, PsA, and AS, no patients treated with  
369 SIMPONI developed anaphylactic reactions.  
370

371 **Immunogenicity**  
 372 Antibodies to SIMPONI were detected in 57 (4%) of SIMPONI-treated patients across the Phase 3  
 373 RA, PsA, and AS trials through Week 24. Similar rates were observed in each of the three  
 374 indications. Patients who received SIMPONI with concomitant MTX had a lower proportion of  
 375 antibodies to SIMPONI than patients who received SIMPONI without MTX (approximately 2%  
 376 versus 7%, respectively). Of the patients with a positive antibody response to SIMPONI in the  
 377 Phase 2 and 3 trials, most were determined to have neutralizing antibodies to golimumab as  
 378 measured by a cell-based functional assay. The small number of patients positive for antibodies to  
 379 SIMPONI limits the ability to draw definitive conclusions regarding the relationship between  
 380 antibodies to golimumab and clinical efficacy or safety measures.

381  
 382 The data above reflect the percentage of patients whose test results were considered positive for  
 383 antibodies to SIMPONI in an ELISA assay, and are highly dependent on the sensitivity and  
 384 specificity of the assay. Additionally, the observed incidence of antibody positivity in an assay  
 385 may be influenced by several factors including sample handling, timing of sample collection,  
 386 concomitant medications, and underlying disease. For these reasons, comparison of the incidence  
 387 of antibodies to SIMPONI with the incidence of antibodies to other products may be misleading.

388  
 389 **Other Adverse Reactions**

390 Table 1 summarizes the adverse drug reactions that occurred at a rate of at least 1% in the  
 391 SIMPONI ± DMARD group and with a higher incidence than in the placebo ± DMARD group  
 392 during the controlled period of the 5 pooled Phase 3 trials through Week 16 in patients with RA,  
 393 PsA, and AS.  
 394

**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<sup>a</sup>**

	SIMPONI ± DMARDs	Placebo ± DMARDs
Patients treated	1659	639
Adverse Reaction		
<b>Infections and Infestations</b>		
Upper respiratory tract infection (nasopharyngitis, pharyngitis, laryngitis, and rhinitis)	16%	13%
Viral infections (such as influenza and herpes)	5%	3%
Bronchitis	2%	1%
Superficial fungal infections	2%	1%
Sinusitis	2%	1%
<b>General disorders and administration site conditions</b>		
Injection site reaction (injection site erythema, urticaria, induration, pain,	6%	2%

**Table 1. Adverse Drug Reactions Reported by  $\geq 1\%$  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<sup>a</sup>**

	SIMPONI $\pm$ DMARDs	Placebo $\pm$ DMARDs
bruising, pruritus, irritation, paresthesia)		
<b>Investigations</b>		
Alanine aminotransferase increased	4%	3%
Aspartate aminotransferase increased	3%	2%
<b>Vascular disorders</b>		
Hypertension	3%	2%
<b>Nervous system disorders</b>		
Dizziness	2%	1%
Paresthesia	2%	1%
<b>Gastrointestinal Disorders</b>		
Constipation	1%	<1%

a Patients may have taken concomitant MTX, sulfasalazine, hydroxychloroquine, low dose corticosteroids ( $\leq 10$  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)

**6.2 Post-marketing Experience**

The following adverse reactions have been identified during post-approval use of SIMPONI. 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.

*Immune System Disorders:* Serious systemic hypersensitivity reactions (including anaphylactic reaction) [*see Warnings and Precautions (5.10)*].

**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

424 without MTX in the treatment of PsA and AS [*see Clinical Studies (14.1) and Clinical*  
425 *Pharmacology (12.3)*].

#### 426 427 **7.2 Biologic Products for RA, PsA, and/or AS**

428 An increased risk of serious infections has been seen in clinical RA studies of other TNF-blockers  
429 used in combination with anakinra or abatacept, with no added benefit; therefore, use of SIMPONI  
430 with abatacept or anakinra is not recommended [*see Warnings and Precautions (5.5 and 5.6)*]. A  
431 higher rate of serious infections has also been observed in RA patients treated with rituximab who  
432 received subsequent treatment with a TNF-blocker. There is insufficient information to provide  
433 recommendations regarding the concomitant use of SIMPONI and other biologic products  
434 approved to treat RA, PsA, or AS.

#### 435 436 **7.3 Live Vaccines**

437 Live vaccines should not be given concurrently with SIMPONI [*see Warnings and Precautions*  
438 *(5.9)*].

439  
440 Infants born to women treated with SIMPONI during their pregnancy may be at increased risk of  
441 infection for up to 6 months. Administration of live vaccines to infants exposed to SIMPONI *in*  
442 *utero* is not recommended for 6 months following the mother's last SIMPONI injection during  
443 pregnancy (*see Use in Specific Populations (8.1)*).

#### 444 445 **7.4 Cytochrome P450 Substrates**

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

### 453 454 **8 USE IN SPECIFIC POPULATIONS**

#### 455 **8.1 Pregnancy**

456 Pregnancy Category B – There are no adequate and well-controlled studies of SIMPONI in  
457 pregnant women. Because animal reproduction and developmental studies are not always  
458 predictive of human response, it is not known whether SIMPONI can cause fetal harm when  
459 administered to a pregnant woman or can affect reproduction capacity. SIMPONI should be used  
460 during pregnancy only if clearly needed.

461  
462 An embryofetal developmental toxicology study was performed in which pregnant cynomolgus  
463 monkeys were treated subcutaneously with golimumab during the first trimester with doses up to  
464 50 mg/kg twice weekly (360 times greater than the maximum recommended human dose-MHRD)  
465 and has revealed no evidence of harm to maternal animals or fetuses. Umbilical cord blood  
466 samples collected at the end of the second trimester showed that fetuses were exposed to  
467 golimumab during gestation. In this study, *in utero* exposure to golimumab produced no  
468 developmental defects to the fetus.

469

470 A pre- and post-natal developmental study was performed in which pregnant cynomolgus  
471 monkeys were treated with golimumab during the second and third trimesters, and during lactation  
472 at doses up to 50 mg/kg twice weekly (860 times and 310 times greater than the maximal steady  
473 state human blood levels for maternal animals and neonates, respectively) and has revealed no  
474 evidence of harm to maternal animals or neonates. Golimumab was present in the neonatal serum  
475 from the time of birth and for up to six months postpartum. Exposure to golimumab during  
476 gestation and during the postnatal period caused no developmental defects in the infants.  
477

478 IgG antibodies are known to cross the placenta during pregnancy and have been detected in the  
479 serum of infants born to patients treated with these antibodies. Since SIMPONI is an IgG  
480 antibody, infants born to women treated with SIMPONI during their pregnancy may be at  
481 increased risk of infection for up to 6 months. Administration of live vaccines to infants exposed  
482 to SIMPONI *in utero* is not recommended for 6 months following the mother's last SIMPONI  
483 injection during pregnancy [*see Warnings and Precautions (5.9)*].  
484

### 485 **8.3 Nursing Mothers**

486 It is not known whether SIMPONI is excreted in human milk or absorbed systemically after  
487 ingestion. Because many drugs and immunoglobulins are excreted in human milk, and because of  
488 the potential for adverse reactions in nursing infants from SIMPONI, a decision should be made  
489 whether to discontinue nursing or to discontinue the drug, taking into account the importance of  
490 the drug to the mother.  
491

492 In the pre- and post-natal development study in cynomolgus monkeys in which golimumab was  
493 administered subcutaneously during pregnancy and lactation, golimumab was detected in the  
494 breast milk at concentrations that were approximately 400-fold lower than the maternal serum  
495 concentrations.  
496

### 497 **8.4 Pediatric Use**

498 Safety and effectiveness of SIMPONI in pediatric patients less than 18 years of age have not been  
499 established.  
500

### 501 **8.5 Geriatric Use**

502 In the Phase 3 trials in RA, PsA, and AS, there were no overall differences in SAEs, serious  
503 infections, and AEs in SIMPONI-treated patients ages 65 or older (N = 155) compared with  
504 younger SIMPONI-treated patients. Because there is a higher incidence of infections in the  
505 geriatric population in general, caution should be used in treating geriatric patients with  
506 SIMPONI.  
507

## 508 **10 OVERDOSAGE**

509 In a clinical study, 5 patients received protocol-directed single infusions of 10 mg/kg of  
510 intravenous SIMPONI without serious adverse reactions or other significant reactions. The  
511 highest weight patient was 100 kg, and therefore received a single intravenous infusion of 1000  
512 mg of SIMPONI. There were no SIMPONI overdoses in the clinical studies.  
513

## 514 **11 DESCRIPTION**

515 SIMPONI (golimumab) is a human IgG1 $\kappa$  monoclonal antibody specific for human tumor  
516 necrosis factor alpha (TNF $\alpha$ ) that exhibits multiple glycoforms with molecular masses of  
517 approximately 150 to 151 kilodaltons. SIMPONI was created using genetically engineered mice  
518 immunized with human TNF, resulting in an antibody with human-derived antibody variable and  
519 constant regions. SIMPONI is produced by a recombinant cell line cultured by continuous  
520 perfusion and is purified by a series of steps that includes measures to inactivate and remove  
521 viruses.

522  
523 The SIMPONI drug product is a sterile solution of the golimumab antibody supplied as either a  
524 single dose prefilled syringe (with a passive needle safety guard) or a single dose prefilled  
525 autoinjector. The Type 1 glass syringe has a coated stopper. The fixed stainless steel needle (5  
526 bevel, 27G, half-inch) is covered with a needle shield to prevent leakage of the solution through  
527 the needle and to protect the needle during handling prior to administration. The needle shield is  
528 made of a dry natural rubber containing latex.

529  
530 SIMPONI does not contain preservatives. The solution is clear to slightly opalescent, colorless to  
531 light yellow with a pH of approximately 5.5. SIMPONI is provided in one strength: 50 mg of the  
532 golimumab antibody in 0.5 mL of solution. Each 0.5 mL of SIMPONI contains 50 mg of the  
533 golimumab antibody, 0.44 mg of L-histidine and L-histidine monohydrochloride monohydrate,  
534 20.5 mg of sorbitol, 0.08 mg of polysorbate 80, and Water for Injection.

## 535 536 **12 CLINICAL PHARMACOLOGY**

### 537 **12.1 Mechanism of Action**

538 Golimumab is a human monoclonal antibody that binds to both the soluble and transmembrane  
539 bioactive forms of human TNF $\alpha$ . This interaction prevents the binding of TNF $\alpha$  to its receptors,  
540 thereby inhibiting the biological activity of TNF $\alpha$  (a cytokine protein). There was no evidence of  
541 the golimumab antibody binding to other TNF superfamily ligands; in particular, the golimumab  
542 antibody did not bind or neutralize human lymphotoxin. Golimumab did not lyse human  
543 monocytes expressing transmembrane TNF in the presence of complement or effector cells.

544  
545 Elevated TNF $\alpha$  levels in the blood, synovium, and joints have been implicated in the  
546 pathophysiology of several chronic inflammatory diseases such as rheumatoid arthritis, psoriatic  
547 arthritis, and ankylosing spondylitis. TNF $\alpha$  is an important mediator of the articular inflammation  
548 that is characteristic of these diseases. Golimumab modulated the *in vitro* biological effects  
549 mediated by TNF in several bioassays, including the expression of adhesion proteins responsible  
550 for leukocyte infiltration (E-selectin, ICAM-1 and VCAM-1) and the secretion of  
551 proinflammatory cytokines (IL-6, IL-8, G-CSF and GM-CSF).

### 552 553 **12.2 Pharmacodynamics**

554 In clinical studies, decreases in C-reactive protein (CRP), interleukin (IL)-6, matrix  
555 metalloproteinase 3 (MMP-3), intercellular adhesion molecule (ICAM)-1 and vascular endothelial  
556 growth factor (VEGF) were observed following SIMPONI administration in patients with RA,  
557 PsA, and AS.

### 558 559 **12.3 Pharmacokinetics**

560 Following subcutaneous administration of SIMPONI to healthy subjects and patients with active  
561 RA, the median time to reach maximum serum concentrations ( $T_{max}$ ) ranged from 2 to 6 days. A  
562 subcutaneous injection of 50 mg SIMPONI to healthy subjects produced a mean maximum serum  
563 concentration ( $C_{max}$ ) of approximately 2.5  $\mu\text{g/mL}$ . SIMPONI exhibited dose-proportional  
564 pharmacokinetics (PK) in patients with active RA over the dose range of 0.1 to 10.0 mg/kg  
565 following a single intravenous (IV) dose. Following a single IV administration over the same  
566 dose range in patients with active RA, mean systemic clearance of SIMPONI was estimated to be  
567 4.9 to 6.7 mL/day/kg, and mean volume of distribution ranged from 58 to 126 mL/kg. The  
568 volume of distribution for SIMPONI indicates that SIMPONI is distributed primarily in the  
569 circulatory system with limited extravascular distribution. Median terminal half-life values were  
570 estimated to be approximately 2 weeks in healthy subjects and patients with active RA, PsA or  
571 AS. By cross-study comparisons of mean  $AUC_{inf}$  values following an IV or subcutaneous  
572 administration of SIMPONI, the absolute bioavailability of subcutaneous SIMPONI was estimated  
573 to be approximately 53%.

574  
575 When 50 mg SIMPONI was administered subcutaneous to patients with RA, PsA, or AS every 4  
576 weeks, serum concentrations appeared to reach steady state by Week 12. With concomitant use of  
577 methotrexate (MTX), treatment with 50 mg SIMPONI subcutaneous every 4 weeks resulted in a  
578 mean steady-state trough serum concentration of approximately 0.4-0.6  $\mu\text{g/mL}$  in patients with  
579 active RA, approximately 0.5  $\mu\text{g/mL}$  in patients with active PsA, and approximately 0.8  $\mu\text{g/mL}$  in  
580 patients with active AS. Patients with RA, PsA, and AS treated with SIMPONI 50 mg and MTX  
581 had approximately 52%, 36% and 21% higher mean steady-state trough concentrations of  
582 golimumab, respectively compared with those treated with SIMPONI 50 mg without MTX. The  
583 presence of MTX also decreased anti-golimumab antibody incidence from 7% to 2% [*see Adverse*  
584 *Reactions (6.1)*]. For RA, SIMPONI should be used with MTX. In the PsA and AS trials, the  
585 presence or absence of concomitant MTX did not appear to influence clinical efficacy and safety  
586 parameters [*see Drug Interactions (7.1) and Clinical Studies (14.1)*].

587  
588 Population PK analyses indicated that concomitant use of NSAIDs, oral corticosteroids, or  
589 sulfasalazine did not influence the apparent clearance of SIMPONI.

590  
591 Population PK analyses showed there was a trend toward higher apparent clearance of SIMPONI  
592 with increasing weight. However, across the PsA and AS populations, no meaningful differences  
593 in clinical efficacy were observed among the subgroups by weight quartile. The RA trial in MTX-  
594 experienced and TNF-blocker-naïve patients (Study RA-2) did show evidence of a reduction in  
595 clinical efficacy with increasing body weight, but this effect was observed for both tested doses of  
596 SIMPONI (50 mg and 100 mg). Therefore, there is no need to adjust the dosage of SIMPONI  
597 based on a patient's weight.

598  
599 Population PK analyses suggested no PK differences between male and female patients after body  
600 weight adjustment in the RA and PsA trials. In the AS trial, female patients showed 13% higher  
601 apparent clearance than male patients after body weight adjustment. Subgroup analysis based on  
602 gender showed that both female and male patients achieved clinically significant response at the  
603 proposed clinical dose. Dosage adjustment based on gender is not needed.

604

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

609  
610 Patients who developed anti-SIMPONI antibodies generally had lower steady-state serum trough  
611 concentrations of SIMPONI.

612  
613 No formal study of the effect of renal or hepatic impairment on the PK of golimumab was  
614 conducted.

### 615 616 **13 NONCLINICAL TOXICOLOGY**

#### 617 **13.1 Carcinogenesis, Mutagenesis, Impairment of Fertility**

618 Long-term animal studies of golimumab have not been conducted to evaluate its carcinogenic  
619 potential. Mutagenicity studies have not been conducted with golimumab. A fertility study  
620 conducted in mice using an analogous anti-mouse TNF $\alpha$  antibody showed no impairment of  
621 fertility.

### 622 623 **14 CLINICAL STUDIES**

#### 624 **14.1 Rheumatoid Arthritis**

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

634  
635 Study RA-1 evaluated 445 patients who were previously treated (at least 8 to 12 weeks prior to  
636 administration of study agent) with one or more doses of a biologic TNF-blocker without a serious  
637 adverse reaction. Patients may have discontinued the biologic TNF-blocker for a variety of  
638 reasons. Patients were randomized to receive placebo (n = 150), SIMPONI 50 mg (n = 147), or  
639 SIMPONI 100 mg (n = 148). Patients were allowed to continue stable doses of concomitant  
640 MTX, sulfasalazine (SSZ), and/or hydroxychloroquine (HCQ) during the trial. The use of other  
641 DMARDs including cytotoxic agents or other biologics was prohibited.

642  
643 Study RA-2 evaluated 444 patients who had active RA despite a stable dose of at least 15  
644 mg/week of MTX and who had not been previously treated with a biologic TNF-blocker. Patients  
645 were randomized to receive background MTX (n = 133), SIMPONI 50 mg + background MTX (n  
646 = 89), SIMPONI 100 mg + background MTX (n = 89), or SIMPONI 100 mg monotherapy (n =  
647 133). The use of other DMARDs including SSZ, HCQ, cytotoxic agents, or other biologics was  
648 prohibited.

650 Study RA-3 evaluated 637 patients with active RA who were MTX-naïve and had not previously  
651 been treated with a biologic TNF-blocker. Patients were randomized to receive MTX (n = 160),  
652 SIMPONI 50 mg + MTX (n = 159), SIMPONI 100 mg + MTX (n = 159), or SIMPONI 100 mg  
653 monotherapy (n = 159). For patients receiving MTX, MTX was administered at a dose of 10  
654 mg/week beginning at Week 0 and increased to 20 mg/week by Week 8. The use of other  
655 DMARDs including SSZ, HCQ, cytotoxic agents, or other biologics was prohibited.

656  
657 The primary endpoint in Study RA-1 and Study RA-2 was the percentage of patients achieving an  
658 ACR 20 response at Week 14 and the primary endpoint in Study RA-3 was the percentage of  
659 patients achieving an ACR 50 response at Week 24.

660  
661 In Studies RA-1, RA-2, and RA-3, the median duration of RA disease was 9.4, 5.7, and 1.2 years;  
662 and 99%, 75%, and 54% of the patients used at least one DMARD in the past, respectively.  
663 Approximately 77% and 57% of patients received concomitant NSAIDs and low dose  
664 corticosteroids, respectively, in the 3 pooled RA trials.

#### 665 *Clinical Response*

666  
667 In the 3 RA trials, a greater percentage of patients treated with the combination of SIMPONI and  
668 MTX achieved ACR responses at Week 14 (Studies RA-1 and RA-2) and Week 24 (Studies RA-  
669 1, RA-2, and RA-3) versus patients treated with the MTX alone. There was no clear evidence of  
670 improved ACR response with the higher SIMPONI dose group (100 mg) compared to the lower  
671 SIMPONI dose group (50 mg). In Studies RA-2 and RA-3, the SIMPONI monotherapy groups  
672 were not statistically different from the MTX monotherapy groups in ACR responses. Table 2  
673 shows the proportion of patients with the ACR response for the SIMPONI 50 mg and control  
674 groups in Studies RA-1, RA-2, and RA-3. In the subset of patients who received SIMPONI in  
675 combination with MTX in Study RA-1, the proportion of patients achieving ACR 20, 50 and 70  
676 responses at week 14 were 40%, 18%, and 12%, respectively, in the SIMPONI 50 mg + MTX  
677 group (N = 101) compared with 17%, 6%, and 2%, respectively, in the placebo + MTX group (N  
678 = 103). Table 3 shows the percent improvement in the components of the ACR response criteria  
679 for the SIMPONI 50 mg + MTX and MTX groups in Study RA-2. The percent of patients  
680 achieving ACR 20 responses by visit for Study RA-2 is shown in Figure 1. ACR 20 responses  
681 were observed in 38% of patients in the SIMPONI 50 mg + MTX group at the first assessment  
682 (Week 4) after the initial SIMPONI administration.

683

684  
685

**Table 2. Studies RA-1, RA-2, and RA-3 Proportion of Patients with an ACR Response<sup>a</sup>**

	Study RA-1 Active RA previously treated with one or more doses of TNF-blockers		Study RA-2 Active RA, despite MTX		Study RA-3 Active RA, MTX Naïve	
	Placebo ± DMARDs <sup>b</sup>	SIMPONI 50 mg ± DMARDs <sup>b</sup>	Background MTX	SIMPONI 50 mg + Background MTX	MTX	SIMPONI 50 mg + MTX
N <sup>c</sup>	150	147	133	89	160	159
<b>ACR 20</b>						
Week 14	18%	35%	33%	55%	NA <sup>e</sup>	NA <sup>e</sup>
Week 24	16%	31%	28%	60%	49%	62%
<b>ACR 50</b>						
Week 14	7%	15%	10%	35%	NA <sup>e</sup>	NA <sup>e</sup>
Week 24	4%	16%	14%	37%	29%	40%
<b>ACR 70</b>						
Week 14	2%	10%	4%	13%	NA <sup>e</sup>	NA <sup>e</sup>
Week 24	2%	9%	5%	20%	16%	24% <sup>d</sup>
<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 Study 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. <sup>d</sup> Not significantly different from MTX monotherapy. <sup>e</sup> NA = Not applicable, as data was not collected at Week 14 in Study RA-3.						

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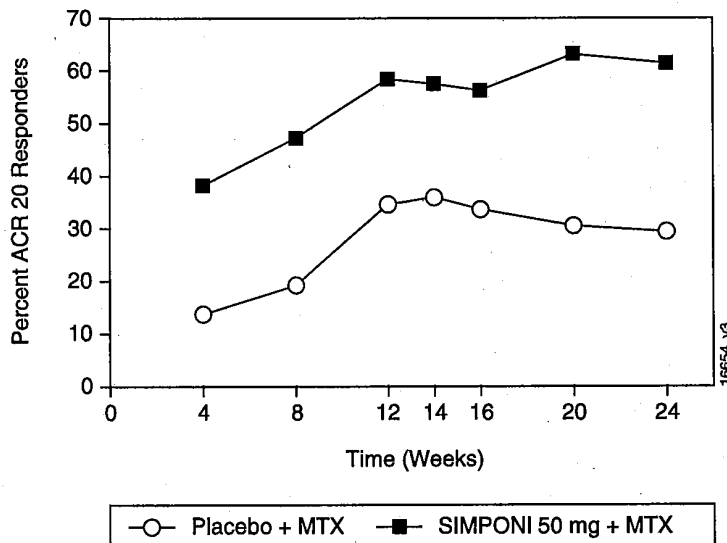
**Table 3. Study RA-2 – Median Percent Improvement from Baseline in the Individual ACR Components at Week 14<sup>a</sup>**

	Background MTX	SIMPONI 50 mg + Background MTX
N <sup>b</sup>	133	89
<b>Number of swollen joints (0-66)</b>		
Baseline	12	13
Week 14	38%	62%
<b>Number of tender joints (0-68)</b>		
Baseline	21	26
Week 14	30%	60%
<b>Patient's assessment of pain (0-10)</b>		
Baseline	5.7	6.1
Week 14	18%	55%
<b>Patient's global assessment of disease activity (0-10)</b>		
Baseline	5.3	6.0
Week 14	15%	45%
<b>Physician's global assessment of disease activity (0-10)</b>		
Baseline	5.7	6.1
Week 14	35%	55%
<b>HAQ score (0-3)</b>		
Baseline	1.25	1.38
Week 14	10%	29%
<b>CRP (mg/dL)</b>		
Baseline	0.8	1.0
Week 14	2%	44%
Note: Baseline values are medians.		
<sup>a</sup> In Study RA-2, about 70% and 85% of patients received concomitant low dose corticosteroids (equivalent to ≤ 10 mg of prednisone a day) and/or NSAIDs during the trials, respectively.		
<sup>b</sup> N reflects randomized patients; actual number of patients evaluable for each endpoint may vary.		

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**Figure 1. Study RA - 2 – Percent of Patients Achieving ACR 20 Response by Visit: Randomized Patients\***



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

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**Physical Function Response in Patients with RA**

In Studies 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 Studies 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 multi-center, 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 (Study PsA). Patients in this study 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)

726 joint arthritis (15%), spondylitis with peripheral arthritis (11%), and arthritis mutilans (1%). The  
 727 median duration of PsA disease was 5.1 years, 78% of patients received at least one DMARD in  
 728 the past, and approximately 48% of patients received MTX, and 16% received low dose oral  
 729 steroids.

730  
 731 **Clinical Response in Patients with PsA**

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

744  
 745 The percent of patients achieving ACR 20 responses by visit for Study PsA is shown in Figure 2.  
 746 ACR 20 responses were observed in 31% of patients in the SIMPONI 50 mg + MTX group at the  
 747 first assessment (Week 4) after the initial SIMPONI administration.  
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 749

**Table 4. Study PsA - Proportion of Patients with ACR Responses**

	Placebo ± MTX <sup>a</sup>	SIMPONI 50 mg ± MTX <sup>a</sup>
N <sup>b</sup>	113	146
<b>ACR 20</b>		
Week 14	<b>9%</b>	<b>51%</b>
Week 24	12%	52%
<b>ACR 50</b>		
Week 14	2%	30%
Week 24	4%	32%
<b>ACR 70</b>		
Week 14	1%	12%
Week 24	1%	19%
<sup>a</sup> In Study PsA, about 48%, 16%, and 72% of the patients received stable doses of MTX (≤ 25 mg/day), 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.		

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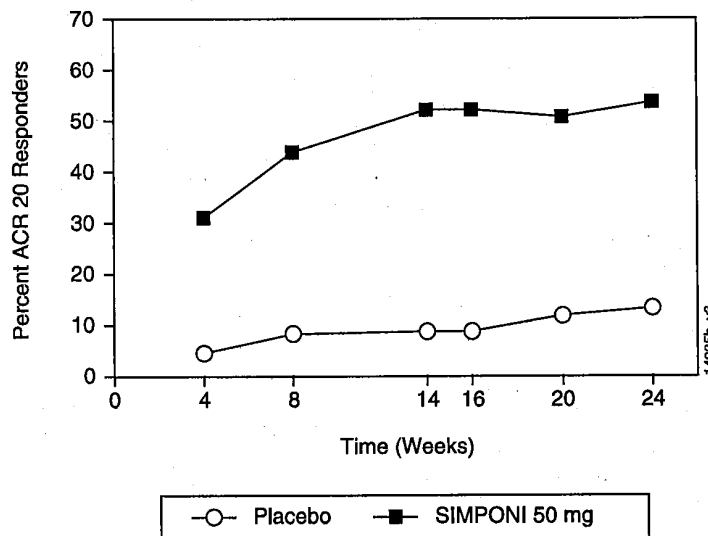
**Table 5. Study PsA - Percent Improvement in ACR Components at Week 14**

	Placebo± MTX <sup>a</sup>	SIMPONI 50 mg ± MTX <sup>a</sup>
<b>N<sup>b</sup></b>	113	146
<b>Number of swollen joints (0-66)</b>		
Baseline	10.0	11.0
Week 14	8%	60%
<b>Number of tender joints (0-68)</b>		
Baseline	18.0	19.0
Week 14	0%	54%
<b>Patient's assessment of pain (0-10)</b>		
Baseline	5.4	5.8
Week 14	-1%	48%
<b>Patient's global assessment of disease activity (0-10)</b>		
Baseline	5.2	5.2
Week 14	2%	49%
<b>Physician's global assessment of disease activity (0-10)</b>		
Baseline	5.2	5.4
Week 14	7%	59%
<b>HAQ score (0-10)</b>		
Baseline	1.0	1.0
Week 14	0%	28%
<b>CRP (mg/dL) (0-10)</b>		
Baseline	0.6	0.6
Week 14	0%	40%
Note: Baseline are median values. <sup>a</sup> In Study PsA, about 48%, 16%, and 78% of the patients received stable doses of MTX (≤ 25 mg/day), 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.		

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Figure 2. Study PsA – Percent of ACR 20 PsA Responders by Visit: Randomized Patients\*



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

#### Physical Function Response in Patients with PsA

In Study 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 ( $\geq 0.3$  change from baseline) at Week 24: 43% vs. 22%, respectively.

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#### 14.3 Ankylosing Spondylitis

The safety and efficacy of SIMPONI were evaluated in a multi-center, 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 (Study AS). Patients had symptoms of active disease [defined as a Bath AS Disease Activity Index (BASDAI)  $\geq 4$  and VAS for total back pain of  $\geq 4$ , 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.

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The primary endpoint was the percentage of patients achieving an ASsessment in Ankylosing Spondylitis (ASAS) 20 response at Week 14. Placebo-controlled efficacy data were collected and analyzed through Week 24.

783 In Study AS, the median duration of AS disease was 5.6 years, median duration of inflammatory  
 784 back pain was 12 years, 83% were HLA-B27 positive, 24% had prior joint surgery or procedure,  
 785 and 55% received at least one DMARD in the past. During the trial, the use of concomitant  
 786 DMARDs and/or NSAIDs was as follows: MTX (20%), SSZ (26%), HCQ (1%), low dose oral  
 787 steroids (16%), and NSAIDs (90%).  
 788

789 ***Clinical Response in Patients with AS***

790 In Study AS, SIMPONI ± DMARDs treatment, compared with placebo ± DMARDs, resulted in a  
 791 significant improvement in signs and symptoms as demonstrated by the proportion of patients with  
 792 an ASAS 20 response at Week 14 (see Table 6). There was no clear evidence of improved ASAS  
 793 response with the higher SIMPONI dose group (100 mg) compared to the lower SIMPONI dose  
 794 group (50 mg). Table 7 shows the percent improvement in the components of the ASAS response  
 795 criteria for the SIMPONI 50 mg ± DMARDs and placebo ± DMARDs groups in Study AS.  
 796

797 The percent of patients achieving ASAS 20 responses by visit for Study AS is shown in Figure 3.  
 798 ASAS 20 responses were observed in 48% of patients in the SIMPONI 50 mg + MTX group at the  
 799 first assessment (Week 4) after the initial SIMPONI administration.  
 800

801 **Table 6. Study AS – Proportion of ASAS Responders at Weeks 14 and 24**  
 802

	Placebo ± DMARDs <sup>a</sup>	SIMPONI 50 mg ± DMARDs <sup>a</sup>
N <sup>b</sup>	78	138
<b>Responders, % of patients</b>		
<b>ASAS 20</b>		
Week 14	<b>22%</b>	<b>59%</b>
Week 24	23%	56%
<b>ASAS 40</b>		
Week 14	15%	45%
Week 24	15%	44%
<sup>a</sup> 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.		
<sup>b</sup> N reflects randomized patients. Bold text indicates primary endpoint.		

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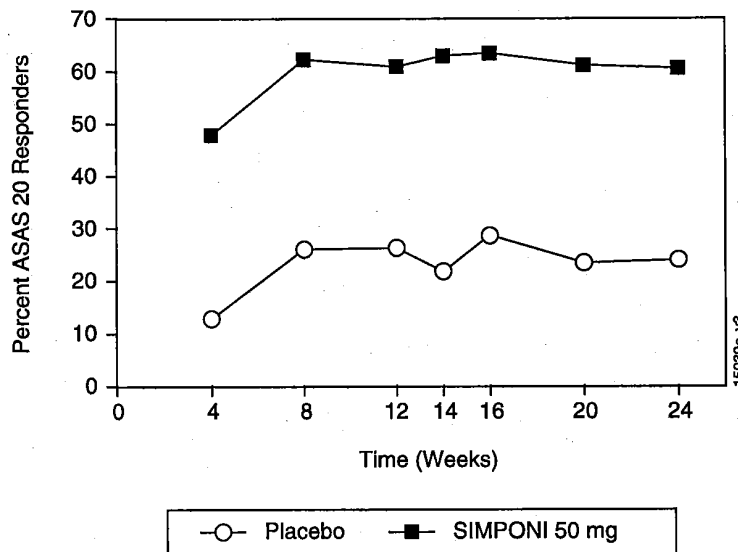
**Table 7. Study AS – Median Percent Improvement in ASAS Components at Week 14**

	Placebo ± DMARDs <sup>a</sup>	SIMPONI 50 mg ± DMARDs <sup>a</sup>
N <sup>b</sup>	78	138
<b>ASAS components</b>		
<b>Patient global assessment (0-10)</b>		
Baseline	7.2	7.0
Week 14	13%	47%
<b>Total back pain (0-10)</b>		
Baseline	7.6	7.5
Week 14	9%	50%
<b>BASFI (0-10)<sup>c</sup></b>		
Baseline	4.9	5.0
Week 14	-3%	37%
<b>Inflammation (0-10)<sup>d</sup></b>		
Baseline	7.1	7.1
Week 14	6%	59%

<sup>a</sup> 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.  
<sup>b</sup> N reflects randomized patients.  
<sup>c</sup> BASFI is Bath Ankylosing Spondylitis Functional Index.  
<sup>d</sup> Inflammation is the mean of two patient-reported stiffness self-assessments in the Bath AS Disease Activity Index (BASDAI).

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**Figure 3. Study AS – Percent of AS Patients Achieving ASAS 20 Response by Visit: Randomized Patients\***



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

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**15 REFERENCES**

1. SEER [database online]. US Population Data – 1969-2004. Bethesda, MD: National Cancer Institute. Release date: January 3, 2007. Available at: <http://seer.cancer.gov/popdata/>.

**16 HOW SUPPLIED/STORAGE AND HANDLING**

Each SIMPONI prefilled autoinjector or prefilled syringe is packaged in a light-blocking, cardboard outer carton. SIMPONI is available in packs of 1 prefilled syringe NDC 57894-070-01 or 1 prefilled SmartJect autoinjector NDC 57894-070-02.

**Prefilled SmartJect Autoinjector**

Each single dose SmartJect autoinjector contains a prefilled glass syringe (27 gauge ½ inch) providing 50 mg of SIMPONI per 0.5 mL of solution.

**Prefilled Syringe**

Each single dose prefilled glass syringe (27 gauge ½ inch) contains 50 mg of SIMPONI per 0.5 mL of solution.

**Storage and Stability**

SIMPONI must be refrigerated at 2°C to 8°C (36°F to 46°F) and protected from light. Keep the product 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.

**17 PATIENT COUNSELING INFORMATION**

See FDA-Approved Patient Labeling (Medication Guide and Patient Instructions for Use)

**17.1 Patient Counseling**

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***

Advise 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).

859 ***Other Medical Conditions***

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

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864 **17.2 Instruction on Injection Technique**

865 The first self-injection should be performed under the supervision of a qualified healthcare  
866 professional. If a patient or caregiver is to administer SIMPONI, he/she should be instructed in  
867 injection techniques and their ability to inject subcutaneously should be assessed to ensure the  
868 proper administration of SIMPONI (*see FDA-Approved Patient Labeling (Medication Guide and*  
869 *Patient Instructions for Use)*).

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871 Prior to use, remove the prefilled syringe or the prefilled SmartJect autoinjector from the  
872 refrigerator and allow SIMPONI to sit at room temperature outside of the carton for 30 minutes  
873 and out of the reach of children.

874  
875 Do not warm SIMPONI in any other way. For example, do not warm SIMPONI in a microwave  
876 or in hot water.

877  
878 Do not remove the prefilled syringe needle cover or SmartJect autoinjector cap while allowing  
879 SIMPONI to reach room temperature. Remove these immediately before injection.

880  
881 Do not pull the autoinjector away from the skin until you hear a first “click” sound and then a  
882 second “click” sound (the injection is finished and the needle is pulled back). It usually takes  
883 about 3 to 6 seconds but may take up to 15 seconds for you to hear the second “click” after the  
884 first “click”. If the autoinjector is pulled away from the skin before the injection is completed, a  
885 full dose of SIMPONI may not be administered.

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887 A puncture-resistant container for disposal of needles and syringes should be used. Patients or  
888 caregivers should be instructed in the technique of proper syringe and needle disposal, and be  
889 advised not to reuse these items.

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892 Manufactured by:  
893 Janssen Biotech, Inc.  
894 Horsham, PA 19044  
895 US License No. 1864

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897 © Janssen Biotech, Inc. 2011  
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**MEDICATION GUIDE**  
**SIMPONI® (SIM-po-nee)**  
**(golimumab)**

Read the Medication Guide that comes with SIMPONI before you start taking it and each time you get a refill. There may be new information. This Medication Guide does not take the place of talking with your doctor about your medical condition or treatment. It is important to remain under your doctor's care while using SIMPONI.

**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)

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**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.

#### **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)

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.

#### **What should I tell my doctor before starting treatment with SIMPONI?**

SIMPONI may not be right for you. Before starting SIMPONI, tell your doctor about all your medical conditions, including if you:

- have an infection (see “What is the most important information I should know about SIMPONI?”).
- 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. 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<sup>®</sup> 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. You and your doctor should decide if you will take SIMPONI or breastfeed. You should not do both without talking to your doctor first.

- 983 **Tell your doctor about all the medicines you take**, including prescription and non-prescription  
984 medicines, vitamins, and herbal supplements. Especially, tell your doctor if you:  
985 • use ORENCIA (abatacept) or KINERET (anakinra). You should not take SIMPONI while you are  
986 also taking ORENCIA (abatacept) or KINERET (anakinra).  
987 • use other TNF-blocker medicines, including REMICADE (infliximab), HUMIRA (adalimumab),  
988 ENBREL (etanercept), or CIMZIA (certolizumab pegol).  
989 • receive RITUXAN (rituximab) or ACTEMRA (tocilizumab).

990  
991 Ask your doctor if you are not sure if your medicine is one listed above.  
992

993 Keep a list of all your medications with you to show your doctor and pharmacist each time you get a  
994 new medicine.  
995

### 996 **How should I use SIMPONI?**

- 997 • SIMPONI is given as an injection under the skin (subcutaneous injection).  
998 • SIMPONI should be injected one time each month.  
999 • If your doctor decides that you or a caregiver may be able to give your injections of SIMPONI at  
1000 home, you should receive training on the right way to prepare and inject SIMPONI. Do not try to  
1001 inject SIMPONI yourself until you have been shown the right way to give the injections by your  
1002 doctor or nurse.  
1003 • Use SIMPONI exactly as prescribed by your doctor.  
1004 • SIMPONI comes in a prefilled syringe or SmartJect autoinjector. Your doctor will prescribe the  
1005 type that is best for you.  
1006 • See the detailed *Patient Instructions for Use* at the end of this Medication Guide for instructions  
1007 about the right way to prepare and give your SIMPONI injections at home.  
1008 • Do not miss any doses of SIMPONI. If you forget to use SIMPONI, inject your dose as soon as  
1009 you remember. Then, take your next dose at your regular scheduled time. In case you are not sure  
1010 when to inject SIMPONI, call your doctor or pharmacist.  
1011

### 1012 **What are the possible side effects with SIMPONI?**

1013 SIMPONI can cause serious side effects, including:

1014  
1015 See “What is the most important information I should know about SIMPONI?”  
1016

### 1017 **Hepatitis B infection in people who carry the virus in their blood.**

- 1018 • If you are a carrier of the hepatitis B virus (a virus that affects the liver), the virus can become  
1019 active while you use SIMPONI. Your doctor should do blood tests before you start treatment  
1020 with SIMPONI and while you are using SIMPONI. Tell your doctor if you have any of the  
1021 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

1022

1023 **Heart failure, including new heart failure or worsening of heart failure that you already have.**

1024 New or worse heart failure can happen in people who use TNF-blocker medicines including

1025 SIMPONI.

- 1026 • If you have heart failure, your condition should be watched closely while you take SIMPONI.
- 1027 • Call your doctor right away if you get new or worsening symptoms of heart failure while taking
- 1028 SIMPONI (such as shortness of breath or swelling of your lower legs or feet).

1029

### 1030 **Nervous System Problems**

1031 Rarely, people using TNF-blocker medicines, including SIMPONI, have nervous system problems

1032 such as multiple sclerosis or Guillain-Barré syndrome.

- 1033 • Tell your doctor right away if you get any of these symptoms:
- 1034 • vision changes
- 1035 • weakness in your arms or legs
- 1036 • numbness or tingling in any part of your body

1037

### 1038 **Liver Problems**

1039 Liver problems can happen in people who use TNF-blocker medicines, including SIMPONI. These

1040 problems can lead to liver failure and death. Call your doctor right away if you have any of these

1041 symptoms:

- 1042 • feel very tired
- 1043 • skin or eyes look yellow
- 1044 • poor appetite or vomiting
- 1045 • pain on the right side of your stomach (abdomen)

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### 1047 **Blood Problems**

1048 Low blood counts have been seen with TNF-blockers, including SIMPONI. Your body may not make

1049 enough blood cells that help fight infections or help stop bleeding. Symptoms include fever, bruising

1050 or bleeding easily, or looking pale. Your doctor will check your blood counts before and during

1051 treatment with SIMPONI.

1052

### 1053 **Common side effects with SIMPONI include:**

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- 1055 • upper respiratory infection (runny nose, sore throat, and hoarseness or laryngitis)
- 1056 • reaction at the site of injection (redness, swelling, itching, pain, bruising, or tingling)
- 1057 • viral infections such as flu and oral cold sores

1058

1059 Other side effects with SIMPONI include:

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- 1061 • **Immune System Problems.** Rarely, people using TNF-blocker medicines have developed
- 1062 symptoms that are like the symptoms of Lupus. Tell your doctor if you have any of these
- 1063 symptoms:
- 1064 • a rash on your cheeks or other parts of the body
- 1065 • sensitivity to the sun
- 1066 • new joint or muscle pains

- 1067                   • becoming very tired
- 1068                   • chest pain or shortness of breath
- 1069                   • swelling of the feet, ankles, or legs
- 1070
- 1071           • **Psoriasis.** Some people using SIMPONI had new psoriasis or worsening of psoriasis they already
- 1072           had. Tell your doctor if you develop red scaly patches or raised bumps that are filled with pus.
- 1073           Your doctor may decide to stop your treatment with SIMPONI.
- 1074
- 1075           • **Allergic Reactions.** Allergic reactions can happen in people who use TNF-blocker medicines
- 1076           including SIMPONI. Some reactions may be serious and can be life-threatening. Some of these
- 1077           reactions can happen after receiving your first dose of SIMPONI. Call your doctor right away if
- 1078           you have any of these symptoms of an allergic reaction:
- 1079                   • hives
- 1080                   • swollen face
- 1081                   • breathing trouble
- 1082                   • chest pain
- 1083

1084           These are not all of the side effects with SIMPONI. Tell your doctor about any side effect that bothers

1085           you or does not go away. Call your doctor for medical advice about side effects. You may report side

1086           effects to the FDA at 1-800-FDA-1088.

1087

1088           **How do I store SIMPONI?**

- 1089                   • Refrigerate SIMPONI at 36°F to 46°F (2°C to 8°C).
- 1090                   • Do not freeze SIMPONI.
- 1091                   • Keep SIMPONI in the carton to protect it from light when not being used.
- 1092                   • Do not shake SIMPONI.
- 1093

1094           **Keep SIMPONI and all medicines out of the reach of children.**

1095

1096           **General Information about SIMPONI**

- 1097                   • Medicines are sometimes prescribed for purposes other than those listed in the Medication Guide.
- 1098                   Do not use SIMPONI for a condition for which it was not prescribed.
- 1099                   • Do not give SIMPONI to other people, even if they have the same condition that you have. It may
- 1100                   harm them.
- 1101                   • This Medication Guide summarizes the most important information about SIMPONI. If you
- 1102                   would like more information, talk to your doctor. You can ask your doctor or pharmacist for
- 1103                   information about SIMPONI that is written for health professionals. For more information go to
- 1104                   [www.simponi.com](http://www.simponi.com) or call 1-800-JANSSEN (1-800-526-7736).
- 1105

1106           **What are the ingredients in SIMPONI?**

1107           Active ingredient: golimumab.

1108           Inactive ingredients: L-histidine, L-histidine monohydrochloride monohydrate, sorbitol, polysorbate

1109           80, and water for injection. SIMPONI does not contain preservatives.

1110

1111           Manufactured by:

1112           Janssen Biotech, Inc.

- 1113 Horsham, PA 19044
- 1114 US License No. 1864
- 1115
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- 1117
- 1118 Revised: 8/2011
- 1119 This Medication Guide has been approved by the U.S. Food and Drug Administration.