

News Release

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New Data Show Patients Treated with First-in-Class TREMFYA® (guselkumab) Achieve Durable Efficacy Across Joint and Axial Symptoms of Active Psoriatic Arthritis Through Two Years

Adult patients with active psoriatic arthritis experienced persistent multidomain efficacy and a safety profile consistent with that seen in plaque psoriasis

Further analyses show TREMFYA provided sustained improvements across measures of health-related quality of life

SPRING HOUSE, PENNSYLVANIA, June 1, 2022 – The Janssen Pharmaceutical Companies of Johnson & Johnson today announced new data from Phase 3 studies demonstrating patients treated with TREMFYA[®] (guselkumab) achieved consistent, long-term efficacy through two years across the domains of active psoriatic arthritis (PsA) – including joint, skin, enthesitis,^a dactylitis,^b spinal pain and disease severity^c endpoints – irrespective of baseline characteristics.¹ Further analyses showed TREMFYA also provided patients with sustained improvements in measures of health-related quality of life (HRQoL), including fatigue, pain and work productivity.²⁻⁵ These new data from the DISCOVER-1, DISCOVER-2, and COSMOS studies are among 38 abstracts Janssen is presenting during the 2022 Annual European Congress for Rheumatology (EULAR) meeting taking place virtually and in-person in Copenhagen on June 1-4, 2022. TREMFYA is the first and only fully human selective interleukin (IL)-23 inhibitor therapy approved in the U.S. for adults with moderate to severe plaque psoriasis (PsO) and adults with active psoriatic arthritis.⁶

"Psoriatic arthritis is a complex disease, with a range of joint, skin, and axial symptoms. Patients need long-lasting therapies that can provide efficacy across these varied challenges," said presenting study author Philip Mease, M.D., Swedish Medical Center/Providence St. Joseph Health and University of Washington in Seattle, Washington.^d "These new data reinforce previous research showing the durable efficacy of TREMFYA and demonstrate its effect on health-related quality of life, which is important for patients facing the debilitating effects of psoriatic arthritis in their everyday lives."

The data presented at EULAR show:

Durable Efficacy Across Joint and Axial Symptoms

- TREMFYA-treated patients in DISCOVER-2 achieved consistent, long-term efficacy across domains of active PsA (joint, skin, enthesitis, dactylitis, spinal pain and disease severity endpoints) irrespective of baseline characteristics (POS0072).¹
 - Further analyses of data from DISCOVER-2 show TREMFYA provided continued improvements across the key domains of active PsA recommended by the Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA^e; POS1017).⁷ In addition, increasing proportions of TREMFYA-treated patients with active PsA met minimal disease activity (MDA)^f criteria through week 100 (POS1067).⁸ At week 100, 40 percent of patients treated with TREMFYA every eight weeks had achieved MDA, while 59 percent achieved a Disease Activity Index

for Psoriatic Arthritis (DAPSA)^g score of ≤ 14 , indicating low disease activity, and 24 percent achieved DAPSA ≤ 4 , indicating remission.⁷

- Data from the COSMOS study show complete resolution of dactylitis was achieved in ≥80% of patients who continued to receive TREMFYA at week 48 (AB0898).⁹ COSMOS investigated patients who had demonstrated inadequate response to tumor necrosis factor inhibition (TNFi-IR), who tend to have more difficult-to-treat manifestations of active PsA.⁹
- Substantial proportions of TREMFYA-treated patients in DISCOVER-2 also maintained resolution of dactylitis and enthesitis through two years (POS1028).¹⁰ Among those with the condition at baseline, resolution rates of dactylitis and enthesitis were observed at 64 and 54 percent, respectively, at week 24 among patients treated every 8 weeks (q8w) with TREMFYA.¹⁰ These rates increased through week 52 (78 percent and 61 percent, respectively) and were maintained at week 100 (83 percent and 70 percent, respectively, among q8w).¹⁰
- Patients with imaging-confirmed sacroiliitis^h who received TREMFYA maintained improvements in symptoms of axial involvement through two years (POS1037).¹¹

Low Rates of Radiographic Progression

- For TREMFYA-treated patients in DISCOVER-2, mean changes in radiographic scores indicated low rates of radiographic progression through two years, showing the impact of reducing the progression of structural damage caused by active PsA (POS1035).^{12,i} Radiographic progression is a measure of the structural damage caused by active PsA over time.¹³
- A further analysis showed earlier clinical response to TREMFYA predicts low rates of radiographic progression through two years in biologic-naïve active PsA patients (POS1031).¹⁴

Established Safety Profile

 Pooled data from four Phase 2 and Phase 3 clinical trials showed the safety profile for TREMFYA was consistent across patients with active PsA who were biologic-naïve and those who were TNFi-experienced (POS1015).¹⁵ A further study identified no new safety concerns through two years of TREMFYA treatment in active PsA and through five years in plaque PsO, supporting a consistent safety profile across patients with active PsA and moderate to severe plaque PsO (AB0892).¹⁶

Improvements in Fatigue, Pain, and Work Productivity

- Data from the DISCOVER and VOYAGE-2 studies show patients receiving TREMFYA achieved clinically meaningful improvements in fatigue compared with placebo at week 16 in plaque PsO and week 24 in active PsA, as measured by the 36-item Short Form (SF-36) Vitality Scale (AB0893).¹⁷
 - TREMFYA was the first selective IL-23 inhibitor for active PsA to have improvement in fatigue as measured by the Functional Assessment of Chronic Illness Therapy – Fatigue (FACIT-F) scale in the product label.⁶
- In addition, analyses of DISCOVER-1 and DISCOVER-2 demonstrated TREMFYA provided consistent and durable improvements in pain, with greater improvements relative to placebo (POS1070).⁴ Substantial proportions of TREMFYA-treated patients reported meaningful improvement in pain at early time points, with 48 percent achieving ≥20 percent improvement at week 8, and 33 percent achieving ≥50 percent improvement at week 16.⁴
- Finally, data from DISCOVER-2 show TREMFYA provided patients with active PsA with sustained improvements in self-reported HRQoL^j and work productivity (WP) through two years (AB0881, AB0888).^{2,5} The robust improvements in WP and daily activity seen at week 24 were maintained and increased through this time period.⁵

"We know that the challenging and underestimated symptoms of active psoriatic arthritis can impact patients' ability to perform daily tasks and their overall quality of life," said Terence Rooney, M.D., Ph.D., Vice President, Rheumatology and Maternal Fetal Disease Area, Janssen Research & Development, LLC. "These robust TREMFYA data help us provide more options for patients living with active psoriatic arthritis." At EULAR, Janssen will also present several abstracts on its investigational, autoantibody pathway targeted compound nipocalimab, a fully human antineonatal Fc receptor (FcRn) monoclonal antibody. Presentations include the design of a Phase 2/3 clinical study (NCT04119050) in warm autoimmune hemolytic anemia (wAIHA), a rare chronic/relapsing autoimmune disorder in which a patient's own immune cells produce disease-causing immunoglobulin G (IgG) autoantibodies that are involved in the premature destruction of red blood cells (hemolysis), as well as the disease burden of wAIHA (AB1289, POS1428).¹⁸⁻²⁰ In addition, a study evaluating the biodistribution of nipocalimab in humanized neonatal Fc receptor (huFcRn) transgenic mice models will be presented (AB0081).²¹ Janssen continues to innovate in the field of immunology to address unmet needs and advance care for patients.

Editor's Notes:

- a. Enthesitis is defined as inflammation where tendons and ligaments meet bone. It is associated with certain kinds of arthritis, including active PsA.²²
- Dactylitis involves the swelling of fingers or toes and is strongly associated with active PsA.²³
- c. Disease severity was measured through change in the following endpoints: Disease Activity in PsA (DAPSA), swollen joint count (SJC), tender joint count (TJC), Psoriasis Area Severity Index (PASI) score (among patients with baseline Investigator's Global Assessment [IGA] score of ≥2 and body surface area with PsO ≥ 3 percent), Leeds enthesitis index score (among patients with enthesitis at baseline), dactylitis score (among patients with dactylitis at baseline), spinal pain score (among patients with imagingconfirmed sacroiliitis), and Psoriatic Arthritis Disease Activity Score (PASDAS).¹
- d. Dr. Mease is a paid consultant for Janssen. He has not been compensated for any media work.
- e. GRAPPA guidelines recommend that PsA therapies achieve the lowest possible disease activity across six key domains (peripheral arthritis, skin,

dactylitis, enthesitis, axial disease, nails [evaluated in VOYAGE 1 & 2]) and related conditions.⁷

- f. MDA is defined by fulfillment of 5/7 criteria: TJC ≤1, SJC ≤1, PASI score ≤1, patient pain score ≤15, patient global disease activity score ≤20, Health Assessment Questionnaire–Disability Index (HAQ-DI) score ≤0.5, and ≤1 tender entheses.⁸
- g. DAPSA is calculated using TJC and SJC scores, patient's global and pain scores, and the C-reactive protein (CRP) level. A DAPSA score of \leq 14 represents a state of low disease activity (DAPSA-LDA), while a score of \leq 4 represents remission (DAPSA-REM). In contrast with MDA, DAPSA mainly measures articular involvement.²⁴
- h. Sacroiliitis is inflammation of the joints where the spine and pelvis connect.²⁵
- i. TREMFYA is not approved in the U.S. for inhibition of structural damage.
- j. HRQoL was assessed using the patient-reported EuroQoL-5 Dimension-5 Level (EQ-5D-5L) questionnaire index and EuroQol Visual Analog Scale (EQ-VAS) that allow patients to provide a global assessment of their HRQoL. The EQ-5D-5L index assesses mobility, self-care, usual activities, pain/discomfort, and anxiety/depression. The EQ-VAS assesses patient health state on a scale of 0-100, with higher scores indicating better health.²

About DISCOVER-1 (NCT03162796)²⁶

DISCOVER-1 was a randomized, double-blind, multicenter Phase 3 study evaluating the efficacy and safety of TREMFYA administered by subcutaneous (SC) injection in participants with active PsA, including those previously treated with one or two TNF inhibitors. DISCOVER-1 evaluated 381 participants who were treated and followed through approximately one year. The primary endpoint was response of ACR20 at week 24 and primary endpoint data were previously presented at scientific congresses and published in *The Lancet*.²⁷ In addition to ACR20, multiple other clinical outcomes were assessed, including ACR50/70, resolution of soft tissue inflammation, enthesitis and dactylitis, improvement in physical function, skin clearance (IGA), and general health outcomes (36-Item Short-Form Health Survey

[SF-36] Physical Component Summary [PCS] and Mental Component Summary [MCS]).

The study consisted of a screening phase of up to six weeks, a blinded treatment phase of 52 weeks that included a placebo-controlled period from week 0 to week 24 and a blinded active treatment period from week 24 to week 52. It also included a safety follow-up phase through week 60 (i.e., approximately 12 weeks from the last administration of study agent at week 48). Efficacy, safety, pharmacokinetic, immunogenicity and biomarker evaluations were performed in the study on a defined schedule.

About DISCOVER-2 (NCT03158285)²⁸

DISCOVER-2 is a randomized, double-blind, multicenter Phase 3 study evaluating the efficacy and safety of TREMFYA administered by SC injection in biologic-naive patients with active PsA. DISCOVER-2 evaluated 739 participants who were treated and followed through approximately two years. The primary endpoint was response of ACR20 at week 24 and primary endpoint data were previously presented at scientific congresses and published in *The Lancet*.²⁹ In addition to ACR20, multiple other clinical outcomes were assessed, including ACR50/70; resolution of soft tissue inflammation, enthesitis and dactylitis; improvement in physical function; skin clearance (IGA); and general health outcomes (SF-36 PCS and MCS). DISCOVER-2 also assessed changes in structural damage as a key secondary endpoint (PsA-modified vdH-S score).

The study consisted of a screening phase of up to six weeks, a blinded treatment phase of approximately 100 weeks that included a placebo-controlled period from week 0 to week 24 and a blinded active treatment period from week 24 to week 100. It also included a safety follow-up phase through week 112 (i.e., approximately 12 weeks after the last administration of study agent at week 100). Clinical efficacy, radiographic efficacy, health economics, safety, pharmacokinetics, immunogenicity, biomarker, and pharmacogenomics evaluations were performed in the study on a defined schedule.

About COSMOS (NCT03796858)³⁰

COSMOS was a Phase 3b, multicenter, randomized, double-blind, placebocontrolled study to evaluate the safety and efficacy of TREMFYA in 285 patients with active PsA and IR to TNFi therapy. The primary endpoint was ACR20 response at week 24. Participants were randomized (2:1) to receive TREMFYA 100 mg at weeks 0, 4 and q8w thereafter, or placebo. The study included two periods: a 24-week double-blind, placebo-controlled period for the primary analysis of the efficacy and safety of TREMFYA compared with placebo and a 32-week active-treatment and safety follow-up period for additional analysis of the efficacy and safety of TREMFYA. Through week 48, non-responder imputation (NRI) rules were used for missing data (after the application of treatment failure rules [TFR]). Safety was monitored throughout the study to week 56.

About Psoriatic Arthritis (PsA)

PsA is a chronic, immune-mediated inflammatory disease characterized by peripheral joint inflammation, enthesitis (pain where the bone, tendon and ligament meet), dactylitis (severe inflammation of the fingers and toes), axial disease, and the skin lesions associated with plaque PsO.^{22, 23, 31} In addition, in patients with PsA, comorbidities such as obesity, cardiovascular diseases, anxiety and depression are often present.³² Studies show up to 30 percent of people with plaque PsO also develop PsA.³³ The disease causes pain, stiffness and swelling in and around the joints; it commonly appears between the ages of 30 and 50, but can develop at any age.³⁴ Nearly half of patients with PsA experience moderate fatigue and about 30 percent suffer from severe fatigue as measured by the modified fatigue severity scale.³⁴ Although the exact cause of PsA is unknown, genes, the immune system and environmental factors are all believed to play a role in disease onset.³⁵

About TREMFYA® (guselkumab)⁶

Developed by Janssen, TREMFYA is the first approved fully human monoclonal antibody that selectively binds to the p19 subunit of IL-23 and inhibits its interaction with the IL-23 receptor. IL-23 is an important driver of the pathogenesis of inflammatory diseases such as moderate to severe plaque PsO and active PsA. TREMFYA is approved in the U.S., Canada, Japan, and a number of other countries worldwide for the treatment of adults with moderate to severe plaque PsO who are candidates for injections or pills (systemic therapy) or phototherapy (treatment using ultraviolet light), and for the treatment of adult patients with active PsA. It is also approved in the EU for the treatment of moderate to severe plaque PsO in adults who are candidates for systemic therapy and for the treatment of active PsA in adult patients who have had an inadequate response or who have been intolerant to a prior disease-modifying antirheumatic drug therapy. TREMFYA is being investigated in Phase 3 clinical trials in both adults with moderately to severely active Crohn's disease (<u>NCT03466411</u>) and adults with moderately to severely active ulcerative colitis (<u>NCT04033445</u>).

The Janssen Pharmaceutical Companies of Johnson & Johnson maintain exclusive worldwide marketing rights to TREMFYA[®].

IMPORTANT SAFETY INFORMATION

What is the most important information I should know about TREMFYA[®]? TREMFYA[®] is a prescription medicine that may cause serious side effects, including:

- Serious Allergic Reactions. Stop using TREMFYA[®] and get emergency medical help right away if you develop any of the following symptoms of a serious allergic reaction:
 - fainting, dizziness, feeling lightheaded (low blood pressure)
 - o swelling of your face, eyelids, lips, mouth, tongue or throat
 - trouble breathing or throat tightness
 - chest tightness
 - skin rash, hives
 - o itching
- Infections. TREMFYA[®] may lower the ability of your immune system to fight infections and may increase your risk of infections. Your healthcare provider should check you for infections and tuberculosis (TB) before starting treatment with TREMFYA[®] and may treat you for TB before you begin treatment with TREMFYA[®] if you have a history of TB or have active TB. Your healthcare provider should watch you closely for signs and symptoms of TB during and after treatment with TREMFYA[®].

Tell your healthcare provider right away if you have an infection or have symptoms of an infection, including:

- fever, sweats, or chills
- muscle aches
- weight loss
- o **cough**
- warm, red, or painful skin or sores on your body different from your psoriasis
- o diarrhea or stomach pain
- shortness of breath
- blood in your phlegm (mucus)
- o burning when you urinate or urinating more often than normal

Do not take TREMFYA[®] if you have had a serious allergic reaction to guselkumab or any of the ingredients in TREMFYA[®].

Before using TREMFYA[®], tell your healthcare provider about all of your medical conditions, including if you:

- have any of the conditions or symptoms listed in the section "What is the most important information I should know about TREMFYA[®]?"
- have an infection that does not go away or that keeps coming back.
- have TB or have been in close contact with someone with TB.
- have recently received or are scheduled to receive an immunization (vaccine). You should avoid receiving live vaccines during treatment with TREMFYA[®].
- are pregnant or plan to become pregnant. It is not known if TREMFYA[®] can harm your unborn baby.
- are breastfeeding or plan to breastfeed. It is not known if TREMFYA[®] passes into your breast milk.

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

What are the possible side effects of TREMFYA[®]? TREMFYA[®] may cause serious side effects. See "What is the most important information I should know about TREMFYA[®]?"

The most common side effects of TREMFYA® include: upper respiratory infections, headache, injection site reactions, joint pain (arthralgia), diarrhea, stomach flu (gastroenteritis), fungal skin infections, herpes simplex infections, and bronchitis.

These are not all the possible side effects of TREMFYA[®]. Call your doctor for medical advice about side effects.

Use TREMFYA[®] exactly as your healthcare provider tells you to use it.

Please read the full <u>Prescribing Information</u>, including <u>Medication Guide</u> for TREMFYA[®], and discuss any questions that you have with your doctor.

You are encouraged to report negative side effects of prescription drugs to the FDA. Visit <u>www.fda.gov/medwatch</u>, or call 1-800-FDA-1088. cp-82626v3

About the Janssen Pharmaceutical Companies of Johnson & Johnson

At Janssen, we're creating a future where disease is a thing of the past. We're the Pharmaceutical Companies of Johnson & Johnson, working tirelessly to make that future a reality for patients everywhere by fighting sickness with science, improving access with ingenuity, and healing hopelessness with heart. We focus on areas of medicine where we can make the biggest difference: Cardiovascular, Metabolism & Retina; Immunology; Infectious Diseases & Vaccines; Neuroscience; Oncology; and Pulmonary Hypertension.

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Cautions Concerning Forward-Looking Statements

This press release contains "forward-looking statements" as defined in the Private Securities Litigation Reform Act of 1995 regarding TREMFYA® (guselkumab) product development. The reader is cautioned not to rely on these forward-looking statements. These statements are based on current expectations of future events. If underlying assumptions prove inaccurate or known or unknown risks or uncertainties materialize, actual results could vary materially from the expectations and projections of Janssen Research & Development, LLC, any of the other Janssen Pharmaceutical Companies and/or Johnson & Johnson. Risks and uncertainties include, but are not limited to: challenges and uncertainties inherent in product research and development, including the uncertainty of clinical success and of obtaining regulatory approvals; uncertainty of commercial success; manufacturing difficulties and delays; competition, including technological advances, new products and patents attained by competitors; challenges to patents; product efficacy or safety concerns resulting in product recalls or regulatory action; changes in behavior and spending patterns of purchasers of health care products and services; changes to applicable laws and regulations, including global health care reforms; and trends toward health care cost containment. A further list and descriptions of these risks, uncertainties and other factors can be found in Johnson & Johnson's Annual Report on Form 10-K for the fiscal year ended January 2, 2022, including in the sections captioned "Cautionary Note Regarding Forward-Looking Statements" and "Item 1A. Risk Factors," and in Johnson & Johnson's subsequent Quarterly Reports on Form 10-Q and other filings with the Securities and Exchange Commission. Copies of these filings are available online at www.sec.gov, www.jnj.com or on request from Johnson & Johnson. None of the Janssen Pharmaceutical Companies nor Johnson & Johnson undertakes to update any forward-looking statement as a result of new information or future events or developments.

#

References

- 1. McInnes, I.B. *et al.* Consistent Long-Term Guselkumab Efficacy Across Psoriatic Arthritis Domains Irrespective of Baseline Patient Characteristics. Presented at EULAR 2022, June 1-4. POS0072.
- 2. Curtis, J.R. *et al.* Guselkumab Provides Sustained Improvements in Health-Related Quality of Life in Patients With Active Psoriatic Arthritis Through 2 Years of DISCOVER-2. Presented at EULAR 2022, June 1-4. AB0881.
- Rahman, P. *et al.* Factors Associated With Fatigue and Its Improvement –A Principal Component Analysis of Patients With Active Psoriatic Arthritis from Guselkumab Phase 3 Trials. Presented at EULAR 2022, June 1-4. OP0025.
- 4. Nash, P. *et al.* Baseline Determinants of Pain Response in Patients with Psoriatic Arthritis Receiving Treatment with Guselkumab. Presented at EULAR 2022, June 1-4. POS1070.
- Curtis, J.R. *et al.* Guselkumab Provides Sustained Improvements in Work Productivity and Daily Activity in Patients With Active Psoriatic Arthritis Through 2Years of DISCOVER-2. Presented at EULAR 2022, June 1-4. AB0888.
- 6. Food and Drug Administration. TREMFYA[®] Prescribing Information. Horsham, PA. 2017. Available at: <u>https://www.janssenlabels.com/package-insert/product-monograph/prescribing-information/TREMFYA-pi.pdf</u>. Accessed May 2022.
- 7. Coates, L.C. *et al.* Guselkumab Provides Continued Improvement in Key Domains of Psoriatic Arthritis Through 2 Years. Presented at EULAR 2022, June 1-4. POS1017.
- 8. Coates, L.C. *et al.* Domains Contributing to Minimal Disease Activity Achievement in Patients With Psoriatic Arthritis Receiving Guselkumab. Presented at EULAR 2022, June 1-4. POS1067.
- Marzo-Ortega, H. *et al.* Guselkumab Improves Dactylitis In PsA Patients With Inadequate Response To TNFi: Data From The Phase 3b COSMOS Trial. Presented at EULAR 2022, June 1-4. AB0898.
- Rahman, P. *et al.* Guselkumab Maintains Resolution of Dactylitis and Enthesitis in Patients With Active Psoriatic Arthritis: Results Through 2 Years From a Phase 3 Study. Presented at EULAR 2022, June 1-4. POS1028.

- 11. Mease, P.J. *et al.* Effect of Guselkumab, a Selective IL-23p19 Inhibitor, on Axial-Related Endpoints in Patients With Active PsA: Results from a Phase 3, Randomized, Double-Blind, Placebo-Controlled Study Through 2 Years. Presented at EULAR 2022, June 1-4. POS1037.
- Mease, P.J. *et al.* Low Rates of Radiographic Progression With 2 Years of Guselkumab, a Selective Inhibitor of the Interleukin-23p19 Subunit: Results from a Phase 3, Randomized, Double-Blind, Placebo-Controlled Study of Biologic-Naïve Patients with Active Psoriatic Arthritis. Presented at EULAR 2022, June 1-4. POS1035.
- 13. van der Heijde, D. *et al.* Assessing structural damage progression in psoriatic arthritis and its role as an outcome in research. *Arthritis Res Ther* 22, 18 (2020). https://doi.org/10.1186/s13075-020-2103-8.
- 14. Mease, P.J. *et al.* Earlier Clinical Response Predict Low Rates of Radiographic Progression in Bio-naive Active Psoriatic Arthritis Patients Receiving Guselkumab Treatment. Presented at EULAR 2022, June 1-4. POS1031.
- 15. Rahman, P. *et al.* Safety of Guselkumab in Patients with Active Psoriatic Arthritis who are Bionaïve or TNFi-experienced: Pooled Results From 4 Randomized Clinical Trials Through 2 Years. Presented at EULAR 2022, June 1-4. POS1015.
- 16. Mease, P.J. *et al.* Targeted Safety Analyses of Guselkumab: Long-Term Results from Randomized Clinical Trials in Patients with Active Psoriatic Arthritis and Moderate to Severe Psoriasis. Presented at EULAR 2022, June 1-4. AB0892.
- Merola, J.F. *et al.* An Analysis of Fatigue in Patients With Psoriatic Disease Utilizing SF-36 Vitality Scores: Results Through Week 24 in Phase 3 Trials of Guselkumab in Patients With Psoriasis and Psoriatic Arthritis. Presented at EULAR 2022, June 1-4. AB0893.
- Naik, R. Warm autoimmune hemolytic anemia. Hematol Oncol Clin North Am. 2015 Jun;29(3):445-53. <u>https://doi.org/10.1016/j.hoc.2015.01.001</u>.
- 19. McCrae, K.R. *et al.* Identification Of A Warm Autoimmune Hemolytic Anemia (wAIHA) Population Using Predictive Analytics Of A Known Clinically Profiled Cohort. Presented at EULAR 2022, June 1-4. POS1428.
- 20. Murakhovskaya, I. *et al.* Study Design Of A Phase 2/3 Randomized, Double-Blind, Placebo-Controlled Study To Assess The Efficacy And Safety Of Nipocalimab, An FcRn Antagonist, In Warm Autoimmune Hemolytic Anemia (wAIHA). Presented at EULAR 2022, June 1-4. AB1289.
- 21. Vermeulen, A. *et al.* Biodistribution of nipocalimab (anti-human FcRn antibody) in huFcRn transgenic mice. Presented at EULAR 2022, June 1-4. AB0081.
- Donvito T. CreakyJoints: What Is Enthesitis? The Painful Arthritis Symptom You Should Know About. Available at: <u>https://creakyjoints.org/symptoms/what-is-enthesitis/</u>. Accessed May 2022.
- 23. Donvito T. CreakyJoints: What Is Dactylitis? The 'Sausage Finger' Swelling You Should Know About. Available at: <u>https://creakyjoints.org/symptoms/what-is-dactylitis/</u>. Accessed May 2022.
- 24. Wervers, K. *et al.* Burden of Psoriatic Arthritis According to Different Definitions of Disease Activity: Comparing Minimal Disease Activity and the Disease Activity Index for Psoriatic Arthritis. Arthritis Care Res (Hoboken). 2018;70(12):1764-1770.
- 25. Slobodin, G. *et al.* Sacroiliitis early diagnosis is key. J Inflamm Res. 2018;11:339-344. Published 2018 Sep 10. <u>https://doi.org/10.2147/JIR.S149494</u>.
- 26. ClinicalTrials.gov. A Study Evaluating the Efficacy and Safety of Guselkumab Administered Subcutaneously in Participants With Active Psoriatic Arthritis Including Those Previously Treated With Biologic Anti -Tumor Necrosis Factor (TNF) Alpha Agent(s) (DISCOVER 1). Identifier: NCT03162796. Available at: <u>https://clinicaltrials.gov/ct2/show/NCT03162796</u>.
- Deodhar, A. *et al.* Guselkumab in patients with active psoriatic arthritis who were biologicnaive or had previously received TNFa inhibitor treatment (DISCOVER-1): a double-blind, randomised, placebo-controlled phase 3 trial. *The Lancet*, 2020:395(10230), 1115–1125. <u>https://doi.org/10.1016/s0140-6736(20)30265-8</u>.
- 28. ClinicalTrials.gov. A Study Evaluating the Efficacy and Safety of Guselkumab Administered Subcutaneously in Participants With Active Psoriatic Arthritis. Identifier: NCT03158285. Available at: https://clinicaltrials.gov/ct2/show/NCT03158285.
- Mease, P.J. *et al* Guselkumab in biologic-naive patients with active psoriatic arthritis (DISCOVER- 2): a double-blind, randomised, placebo-controlled phase 3 trial. *The Lancet*, 2020:395(10230), 1126–1136. <u>https://doi.org/10.1016/s0140-6736(20)30263-4</u>.
- 30. Clinicaltrials.gov. A Study of Guselkumab in Participants With Active Psoriatic Arthritis and an Inadequate Response to Anti-Tumor Necrosis Factor Alpha (Anti-TNF Alpha) Therapy

(COSMOS). Identifier: NCT03796858. Available at: <u>https://clinicaltrials.gov/ct2/show/NCT03796858</u>.

- Belasco, J. & Wei, N. Psoriatic Arthritis: What is Happening at the Joint? *Rheumatology and Therapy*, 2019: 6(3), 305–315. <u>https://doi.org/10.1007/s40744-019-0159-1</u>. Accessed May 2022.
- 32. Haddad, A. & Zisman, D. Comorbidities in Patients with Psoriatic Arthritis. *Rambam Maimonides Med J.* 2017;8(1):e0004.
- 33. National Psoriasis Foundation. About Psoriatic Arthritis. Available at: https://www.psoriasis.org/about-psoriatic-arthritis/. Accessed May 2022.
- 34. Husted, J. A. *et al*. Occurrence and correlates of fatigue in psoriatic arthritis. *Annals of the Rheumatic Diseases*, 2008:68(10), 1553–1558. <u>https://doi.org/10.1136/ard.2008.098202</u>.
- 35. Cassell, S. & Kavanaugh, A. Psoriatic arthritis: Pathogenesis and novel immunomodulatory approaches to treatment. *Journal of Immune Based Therapies and Vaccines*. 2005;3:6. <u>https://jibtherapies.biomedcentral.com/articles/10.1186/1476-8518-3-6</u>.