

## Managing **PSORIATIC ARTHRITIS** in Specialty Practice:

New Therapies, Guidelines and Treatment Targets During the

**COVID-19 Pandemic** 



## TUESDAY JANUARY 12, 2020

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# The RELIEF Initiative Managing Psoriatic Arthritis in Specialty Practice: New Therapies, Guidelines and Treatment Targets During the COVID-19 Pandemic

#### **FACULTY**

#### Andreas Reimold, MD

Professor of Internal Medicine University of Texas Southwestern Medical Center Dallas, TX

#### **PROGRAM OVERVIEW**

This case-based live virtual activity will cover the treatment and management of patients with psoriatic arthritis.

#### **TARGET AUDIENCE**

This activity is intended for rheumatologists and rheumatology advanced practice providers (NPs and PAs) who are involved in the care and treatment of patients with psoriatic arthritis.

#### **Learning Objectives**

- Identify the risk of COVID-19-related infections in PsA, along with their impact on therapeutic choice
- Pursue strategies to optimize PsA therapy in the COVID-19 era while minimizing risks and adverse
  events
- Assess methods for better evaluating and communicating with patients through telemedicine and virtual platforms
- Apply new ways to initiate and manage PsA treatment, monitor PsA disease progression and address adverse events via virtual communication

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#### **NURSING CREDIT INFORMATION**

Purpose: This program would be beneficial for nurses involved in the care of patients with psoriatic arthritis. **CNE Credits:** 1.0 ANCC Contact Hour.

#### **CNE ACCREDITATION STATEMENT**

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The reviewer of this activity has nothing to disclose.

#### **CNE Content Review**

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- 1. Read the CME/CNE information and faculty disclosures.
- 2. Participate in the live virtual activity.
- 3. Submit the evaluation form to Med Learning Group.

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#### **AGENDA**

#### Introduction/Background

- Epidemiology and pathophysiology
- COVID-19 background
- COVID-19 and rheumatology: implications for assessment and evaluation
- Disease domains and joint manifestations
- Identification and diagnosis

#### Medical Management of PsA in the COVI-19 Era

- 2019 ACR guidelines and their application to practice
- Therapeutic considerations in COVID-19
- Conventional agents
- Biologics, small molecules:
  - Inhibitors of TNF, IL-12/23, IL-17A, IL-23, phosphodiesterase 4, T cell costimulation, and janus kinases
- Evolving standards of treatment in the COVID-19 era
- Treating-to-target: establishing goals of therapy

#### **Telemedicine and Patient Considerations in the COVID-19 Pandemic**

- Early diagnosis and initiation of treatment for long-term success
- Effect of management decisions on patient QoL
- Lowering disease burden (personal, societal, economic) through effective treatment
- Telemedicine: the changing face of rheumatology consults during the pandemic
- Case Study(s)

#### Conclusions and Q/A

## **Posting Questions in Zoom Chat**

- If you would like to post a question or answer during the presentation, please submit your question or response in the chat feature.
- Remember to direct all questions to the "co-host." There is a toggle button above the typing space that allows you to specify the location of your message delivery.

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# Managing Psoriatic Arthritis in Specialty Practice: New Therapies, Guidelines and Treatment Targets During the COVID-19 Pandemic

Andreas Reimold, MD

Professor of Internal Medicine University of Texas Southwestern Medical Center Dallas, TX

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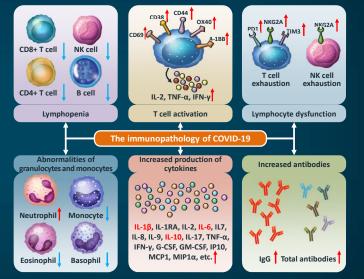
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## **Learning Objectives**

- Identify the risk of COVID-19-related infections in psoriatic arthritis (PsA), along with their impact on therapeutic choice
- Pursue strategies to optimize PsA therapy in the COVID-19 era while minimizing risks and adverse events
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## **COVID-19-associated Hyperinflammation**

- Clinical deterioration in COVID-19 often occurs 7-10 days after symptom onset when viral titres decline
  - Pathology likely driven by inflammation rather than direct viral injury
- Elevated inflammatory markers in COVID-19 patients are significantly associated with risk of next-day escalation of respiratory support or death (HR, 2.24)



Manson JJ, et al. Lancet Rheumatol. 2020;2:e594-e602. Yang L, et al. Signal Transduct Target Ther. 2020;5:128

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## **Concerns During the COVID-19 Pandemic**

- Patients with PsA are not at increased risk of death, invasive ventilation, ICU admission, or serious complications from COVID-19
  - Impact of PsA therapies on COVID-19 disease severity is unknown
- Risk of poor outcomes from COVID-19 appears to be related primarily to general risk factors such as age and comorbidities

Mortality in an Observational Study China (n = 72,3			
Characteristics	Deaths (%)		
All confirmed cases	2.3		
Critical cases	49.0		
<ul> <li>≥80 years of age</li> </ul>	14.8		
<ul> <li>Cardiovascular disease</li> </ul>	10.5		
<ul> <li>70-79 years of age</li> </ul>	8.0		
Diabetes	9.2		
Chronic respiratory disease	8.0		
Hypertension	6.0		
Cancer	7.6		

Mikuls TR, et al. Arthritis Rheumatol. 2020;72:1241-1251. Pablos JL, et al. Ann Rheum Dis. 2020;79:1544-1549. Wu Z, et al. JAMA. 2020;323:1239-1242. Wollina U, et al. Dermatol Ther. 2020;33:e13743.

## **Impact of PsA Comorbidities on COVID-19 Outcomes**

- PsA is associated with a higher incidence of CV disease, metabolic syndrome, obesity, diabetes, dyslipidemia, and IBD
- Older age, male sex, and previous comorbidity increased the risk of severe COVID-19 in patients with rheumatic disease and nonrheumatic disease
  - Diabetes and CV disease were associated with a significantly increased risk of severe
     COVID-19 in rheumatic patients compared to nonrheumatic patients

	Relative ris	k (95% CI)	
Variable	Non-rheumatic cohort	Rheumatic cohort	P value
Age over 60 years	3.70 (1.99 to 6.93)	4.04 (2.30 to 7.08)	0.841
Male sex	2.16 (1.39 to 3.35)	1.58 (1.09 to 2.29)	0.286
Obesity	1.22 (0.72 to 2.06)	1.62 (1.10 to 2.36)	0.393
Diabetes	0.95 (0.53 to 1.70)	1.93 (1.34 to 2.79)	0.038
Hypertension	1.64 (1.07 to 2.53)	2.27 (1.49 to 3.46)	0.290
CV disease	1.44 (0.90 to 2.33)	2.92 (2.04 to 4.17)	0.020
Lung disease	1.57 (1.00 to 2.46)	1.74 (1.19 to 2.55)	0.723

CV = cardiovascular; IBD = inflammatory bowel disease Pablos JL, et al. *Ann Rheum Dis*. 2020;79:1544-1549.

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#### **COVID-19 Treatment Modifications** Treatment of Rheumatic Disease in the Absence of COVID-19 Infection or **Exposure** HCQ/CQ, SSZ, MTX, LEF, Continue therapy immunosuppressants (tacrolimus, CSA, MMF, AZA), biologics, JAK inhibitors, NSAIDs May be started if clinically indicated (<10 Low-dose corticosteroids mg prednisone equivalent/day) Following SARS-CoV-2 Exposure HCQ/CQ, SSZ, NSAIDs May be continued Stop therapy temporarily, pending a Immunosuppressants (tacrolimus, CSA, MMF, AZA), non-IL-6 biologics, negative COVID-19 test or 2 weeks of JAK inhibitors symptom-free observation May be continued in select circumstances **IL-6** inhibitors **Documented or presumptive COVID-19** HCQ/CQ May be continued SSZ, MTX, LEF, non-IL-6 biologics, Withhold or stop therapy immunosuppressants, and JAK inhibitors **NSAIDs** Should be stopped in patients with severe

respiratory symptoms

- All recommendations based on very low quality of evidence and moderate to high consensus
- Recommendations are for rheumatic disease in general and are not subdivided by patient disease. There are no specific recommendations for PsA.
  - May reinitiate therapy within 7-14 days of symptom resolution for those with mild COVID-19
  - Consider reinitiating therapy in 10-17 days after positive PCR results if asymptomatic COVID-19
  - Timing of reinitiating therapy after severe COVID-19 should be made on case-by-case basis

AZA = azathioprine; CSA = cyclosporine A; CQ = cloroquine; HCQ = hydroxychloroquine; IL = interleukin; JAK = Janus kinase; LEF = leflunomide; MMF = mycophenolate mofetil; MTX = methotrexate; NSAID = nonsteroidal anti-inflammatory drug; SSZ = sulfasalazine
Mikuls TR, et al. Arthritis Rheumatol. 2020;72:1241-1251.

## **Corticosteroid Use During the COVID-19 Pandemic**

- A case series of 600 patients found prednisone ≥10 mg/day was associated with increased odds of hospitalization (OR, 2.05)
- A study in patients with inflammatory bowel disease and COVID-19 found steroids increase the risk of severe COVID-19 (aOR, 6.0)

Glucocorticoids should be used at the lowest possible dose to control rheumatic disease, regardless of exposure or infection status

Glucocorticoids should not be abruptly stopped, regardless of exposure or infection status

OR = odds ratio; aOR = adjusted odds ratio.
Gianfrancesco M, et al. Ann Rheum Dis. 2020;79:859-866. Brenner EJ, et al. Gastroenterology. 2020;159:481-491. Mikuls TR, et al. Arthritis Rheumatol. 2020;72:1241-1251.

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# Need for Continuity of Care During the COVID-19 Pandemic

- In a study of 1,517 patients in the US with PsA, RA, SpA, or SLE, 14.9% stopped using their DMARD between March-May 2020
- Of the patients who stopped their DMARDs, what percentage of these interruptions were NOT recommended by a physician?



**78.7%** 

- 29.5% of patients used telehealth services
  - Treatment interruption was more common among patients who reported that telehealth was not available (25.4% vs 13.1%, respectively)

DMARD = disease-modifying anti-rheumatic drug; RA = rheumatoid arthritis; SLE = systemic lupus erythematosus; SpA = spondyloarthritis. George M, et al. J Rheumatol. 2020. doi:10.3899/jrheum.201017.

## **Incorporating Telehealth into Your Practice**

- Schedule enough time. Telehealth consults often take longer than expected to find the required information
- Train staff in triaging symptom burden. Identify patients with unstable symptoms who require an in-person appointment
- Educate on self-management. Patients may not come in for a follow-up appointment for weeks or months.
  - Teach about warning signs that require prompt evaluation
  - Educate about how to manage symptoms remotely
  - Ensure patients have enough medication
- Clarify expectations of what can or cannot be done remotely
  - Recognize patients who require in-person evaluation

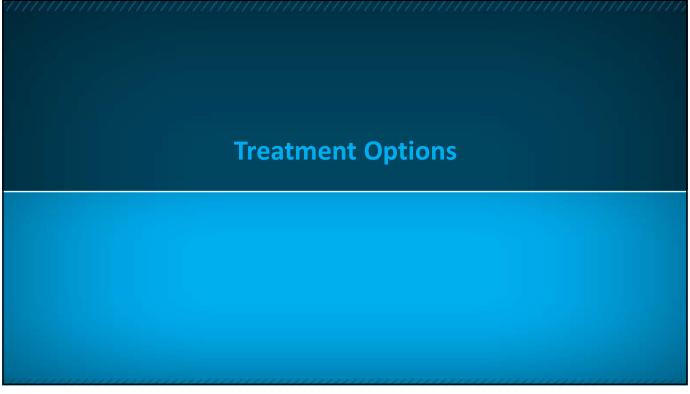
Centers for Disease Control and Prevention website (https://www.cdc.gov/coronavirus/2019-ncov/hcp/telehealth.html). Landewe RBM, et al. Ann Rheum Dis. 2020;79:851-858.

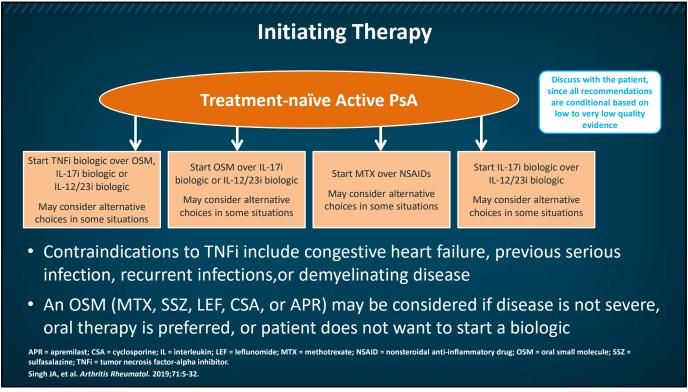
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## **Strategies to Increase Telehealth Uptake**

- Use technology that allows you to send and receive patient-reported outcomes scales
- Prescreen patients with disease activity scales and request in-person visit if scores are high
- Offer flexibility in platforms that can be used for video consultation, and nonvideo options to serve patients with limited technology and connectivity
- Postpone regular blood monitoring and face-to-face consultations in patients with stable disease and therapy without signs of drug toxicity
- Communicate with insurers/payers to understand availability of covered telehealth services

Centers for Disease Control and Prevention website (https://www.cdc.gov/coronavirus/2019-ncov/hcp/telehealth.html). Landewe RBM, et al. Ann Rheum Dis. 2020;79:851-858.





### Methotrexate Is Not a DMARD in PsA

- 6-month DBRCT of MTX 15 mg/week vs PBO
- Primary outcome: PsARC
   Secondary outcomes: ACR20, DAS28, global and skin scores
- No difference in SJC, TJC, CRP/ESR, PsARC, ACR20, DAS28 at 3 and 6 months
- Patient, MD global, and skin scores significantly improved at 6 months (P=0.01, 0.02, 0.02)



Despite issues with study design,
MTX does not have disease-remitting properties.

CRP = C-reactive protein; DBRCT = double-blind, randomized controlled trial; ESR = erythrocyte sedimentation rate; MTX = methotrexate; PBO = placebo; PsARC = PsA response criteria; DAS = Disease Activity Score; SJC = swollen joint count; TJC = tender joint count.

Kingsley GH, et al. Rheumatology (Oxford). 2012;51:1368-1377.

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## **CSA** in Psoriasis and PsA

- CSA 2.5-5 mg/kg/day yielded PASI75 response in 28% to 97% of patients
- Remission could be maintained at CSA dose of at least 3mg/kg/day
- More than 50% of patients treated with CSA may have an increase in serum creatinine value >30% of baseline if treatment is prolonged for 2 years

24 Week Randomized Open NSAID\* Controlled Study of Cyclosporin A in PsA (N=99)

	P-value	Significance CSA vs NSAID*
ACR50	0.02	+
ACR70	0.05	+
Swollen Joint Count	0.05	+
Tender Joint Count	0.01	+
Pain	0.002	+
Patient Global improved ≥1 point	0.04	+
MD Global improved ≥1 point	0.01	+

\*NSAID +/- prednisone 5 mg daily +/- analgesics

Salvanarani C, et al. J Rheum. 2001;28:2274-2282. Maza J-H, et al. JEADV. 2011;25(2):19-27.

#### Adalimumab Or Cyclosporine as Monotherapy or Combination For Severe PsA: A Prospective, 12-month, Observational Study • A 12-month, observational study of 170 TNFi-100 and cyclosporine-naïve patients **■** CsA 90 **ADA** Patients who received adalimumab (40mg Q2W) 80 CsA+ADA (n=57), cyclosporine (2.5-3.75 mg/kg/day)70 (n=58), or their combination (n=55) Response (%) 60 MTX-IR (25 mg weekly or less, for a minimum of 6 months) 50 Assessments: 0.5, 1, 2, 3, 4, 5, 6, 8, 10, and 40 12 months 30 20 rates but NOT beyond the effect of cyclosporine 10 monotherapy (not shown)

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**PsARC** 

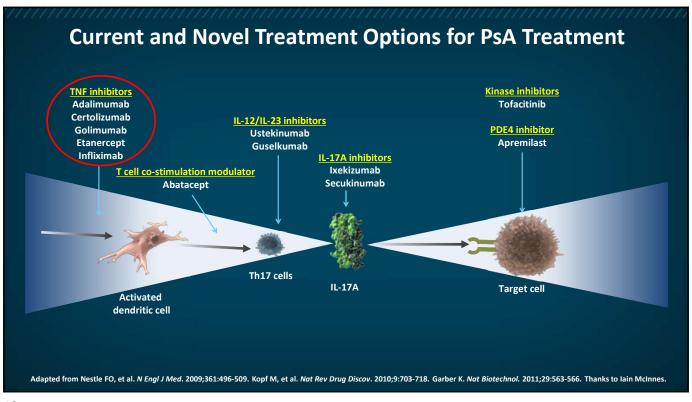
ARC50

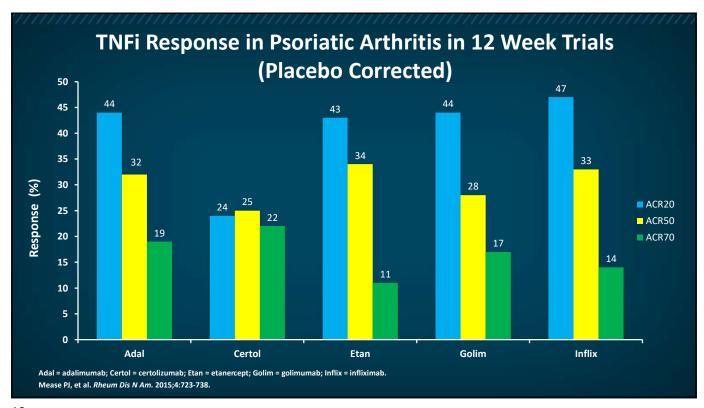
ARC70

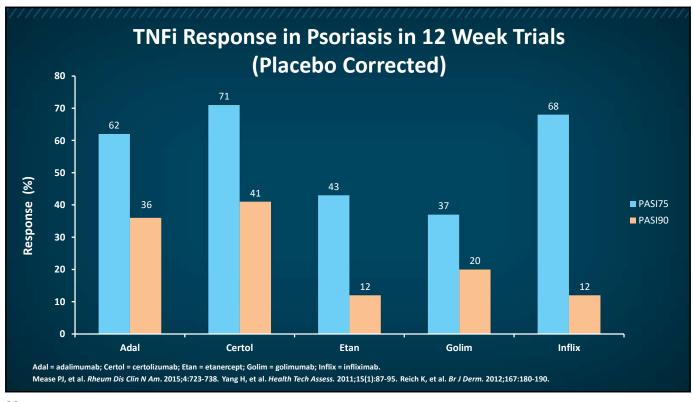
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MTX-IR = methotrexate inadequate response

Karanikolas GN, et al. *J Rheumatol*. 2011;38:2466-2474.





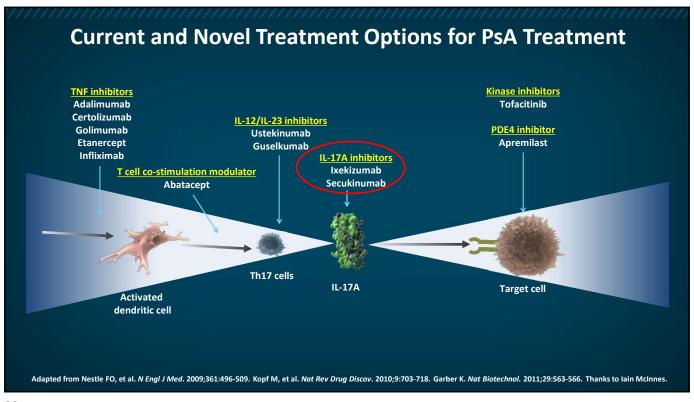


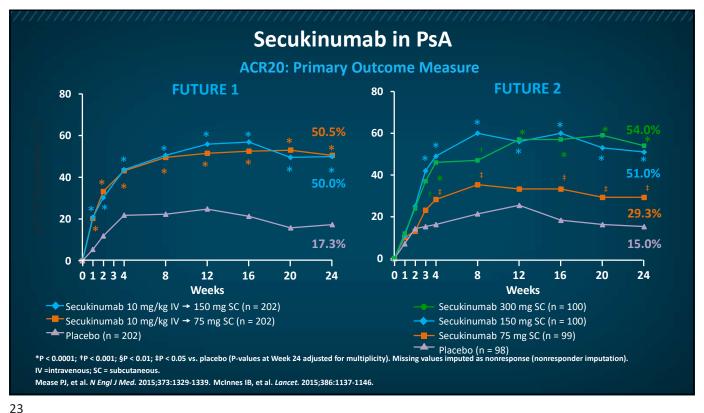
## **Anti-TNFs in PsA: Additional Outcomes**

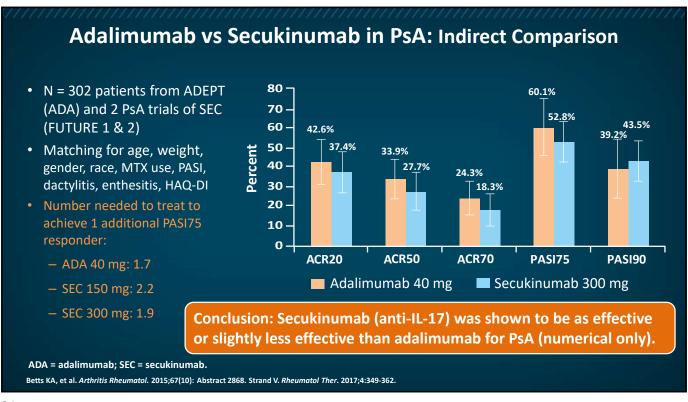
- Enthesitis: ~60–75% improvement
  - Assessment methods evolving: 4-point, MASES, Leeds, SPARCC
- Dactylitis: ~60% improvement
  - Assessment methods evolving: count, score, Leeds dactylometer
- Function
  - Significant improvement achieved as assessed by HAQ
- QoL
  - Significant improvements in SF-36, PsAQoL, DLQI, EQ-5D
- Fatigue
  - Significant improvement observed (eg, FACIT)

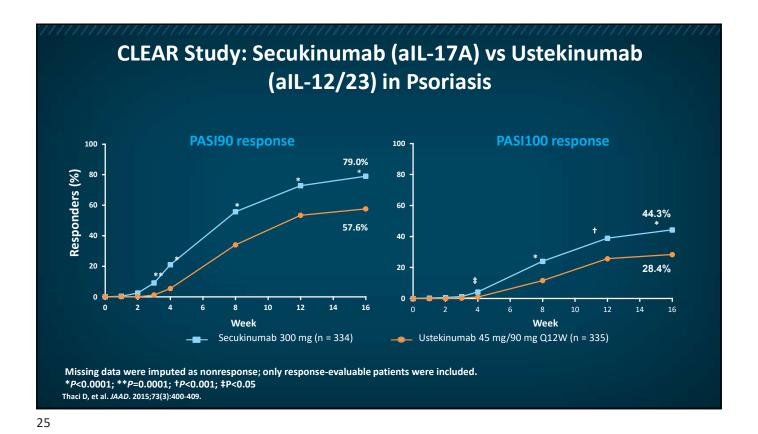
MASES = Maastricht Enthesitis Index; SPARCC = Spondyloarthritis Research Consortium of Canada; PsAQoL = PsA quality of life; DLQI = Dermatology Life Quality Index; EQ-5D = EuroQol 5-domain: FACIT = Functional Assessment of Chronic Illness Therapy.

Mease PJ. Ann Rheum Dis. 2011;70(1):i77-i84. Mease PJ. Arthritis Care Res (Hoboken). 2011:63(11):S64-S85.

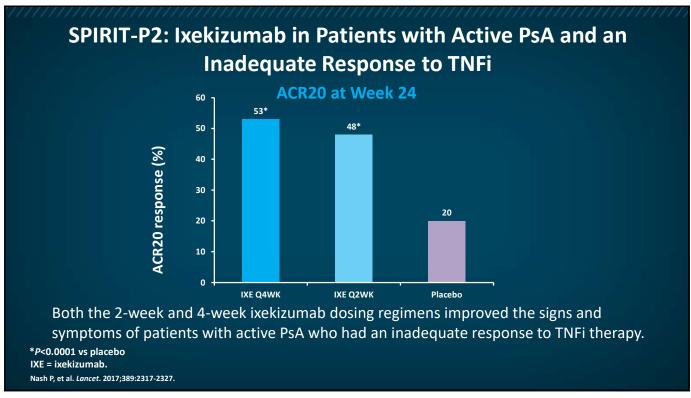


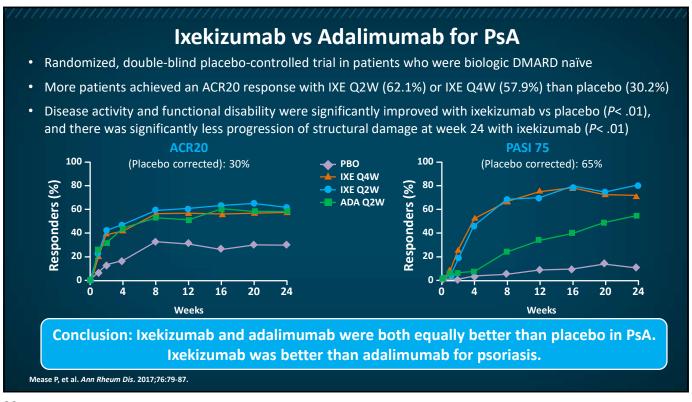


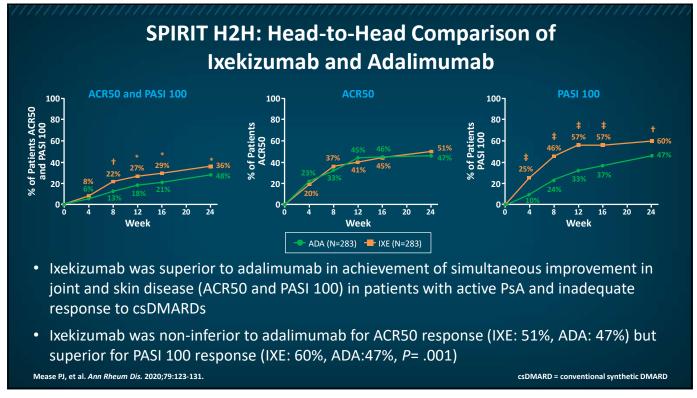




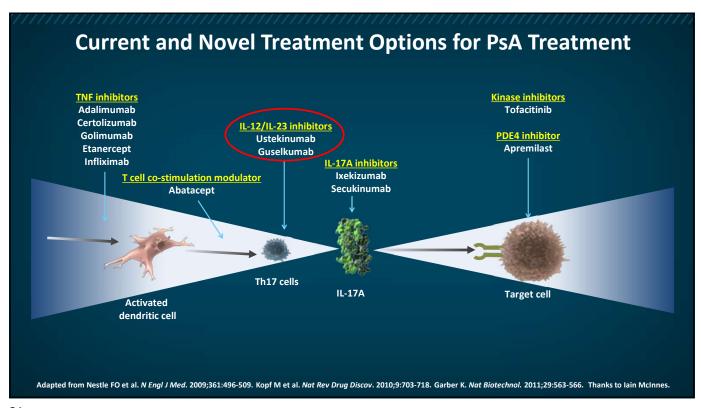
Comm	on Adverse	Events <sup>1</sup>		
	SEC 300 mg	SEC 150 mg	Placebo	Warnings <sup>2</sup>
URTI	4 (4%)	8 (8%)	7 (7%)	1. Infection
Nasopharyngitis	6 (6%)	4 (4%)	8 (8%)	2. Tuberculosis
Diarrhea	2 (2%)	2 (2%)	3 (3%)	
Headache	7 (7%)	4 (4%)	4 (4%)	3. Hypersensitivity
Nausea	3 (3%)	4 (4%)	4 (4%)	reactions
Sinusitis	1 (1%)	2 (2%)	1 (1%)	4. New or worsening
Psoriatic arthropathy	0	3 (3%)	2 (2%)	inflammatory
Urinary tract infection	2 (2%)	4 (4%)	4 (4%)	bowel disease
Hematuria	2 (2%)	3 (3%)	1 (1%)	
Vomiting	2 (2%)	2 (2%)	1 (1%)	

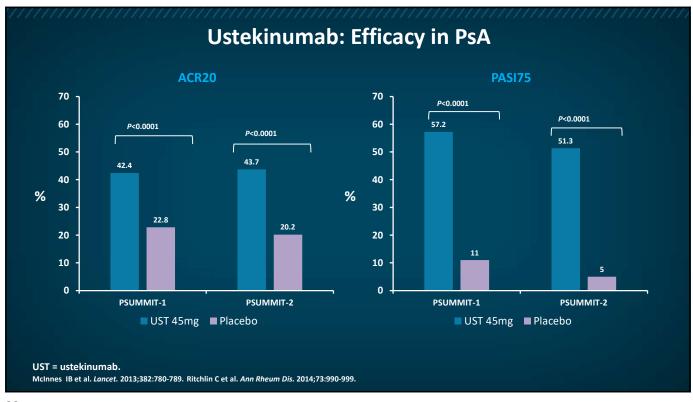


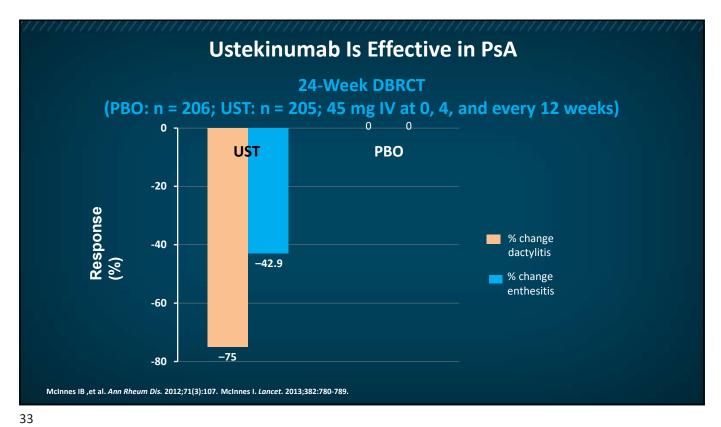




#### **Ixekizumab: Adverse Events Ixekizumab Adverse Events** IXE Warnings **Placebo** 80 mg 1. Infection (n=791)(n=1167)2. Tuberculosis Injection site reactions 196 (17%) 26 (3%) 3. Hypersensitivity reactions Upper respiratory tract 163 (14%) 101 (13%) infections 4. Inflammatory bowel 23 (2%) 5 (1%) Nausea disease **Tinea infections** 17 (2%) 1 (<1%) Adverse events occurring in $\geq$ 1% of IXE group, and more frequently than placebo. Ixekizumab (Taltz®) prescribing information (https://pi.lilly.com/us/taltz-uspi.pdf)







## **Ustekinumab Adverse Events**

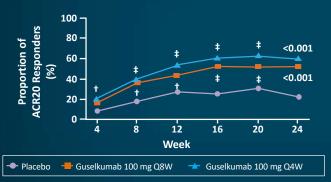
- Meta-analysis of 9626 patients in 30 RCT of 16 weeks duration
- AEs and SAEs include infections, cough, headache, upper respiratory tract infection, nausea, injection site reactions, CV event, cancer, and death

Adverse events	UST	Placebo	P value
Infections	1210 (19.7%)	588 (17.1%)	<0.01
Nasopharyngitis	318 (5.2%)	162 (4.7%)	0.31
Cough	21 (2.3%)	25 (4.8%)	0.01
Upper respiratory tract infection	150 (3.2%)	201 (7.1%)	<0.001
Nausea	113 (4.8%)	58 (5.0%)	0.80
Headache	302 (6.1%)	141 (5.1%)	0.06
Infusion/Injection site reaction	149 (3.9%)	44 (2.0%)	<0.001
Malignancy	3 (0.1%)	5 (0.2%)	0.16
Death	5 (0.1%)	1 (0.1%)	0.43
CV	7 (0.2%)	4 (0.2%)	1.00

Rolston VS, et al. Dig Dis Sci. 2020. doi:10.1007/s10620-020-06344-w.

## **DISCOVER-1 Trial of Guselkumab**

- Phase 3, placebo-controlled trial of guselkumab in 381 patients with active PsA who were biologic-naïve or had previously received a TNFi
- 31% of patients had been previously treated with ≤2 TNFi agents



	Guselkum	ab 100 mg	
	Q4W	Q8W	Placebo
Number of patients	128	127	126
ACR20 respon	se at week 24, n/N	l (%)	
Patients with prior TNFi use	22/38 (57.9%)	23/41 (56.1%)	7/39
% difference vs. placebo (95% CI)	40.0 (20.8, 59.2)	38.5 (19.3, 57.7)	(17.9%)
Unadjusted p value	<0.001	<0.001	
Patients with inadequate response	11/17 (64.7%)	9/15 (60.0%)	3/12
to prior TNFi			(25.0%)
% difference vs. placebo (95% CI)	42.4 (11.0, 73.9)	35.9 (0.8, 71.0)	
Patients without prior TNFi use	54/90 (60.0%)	43/86 (50.0%)	21/87
% difference vs. placebo (95% CI)	35.9 (22.3, 49.4)	25.9 (12.0, 39.7)	(24.1%)
Unadjusted p value	<0.001	<0.001	

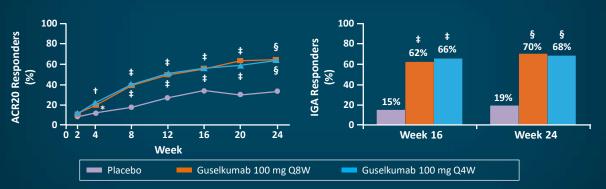
 ACR20 at week 24 was achieved by significantly greater proportions of patients in the guselkumab Q4W (59%) and Q8W (52%) groups than in the placebo group (22%)

Deodhar A, et al. Lancet. 2020;395:1115-1125.

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## **DISCOVER-2 Trial of Guselkumab**

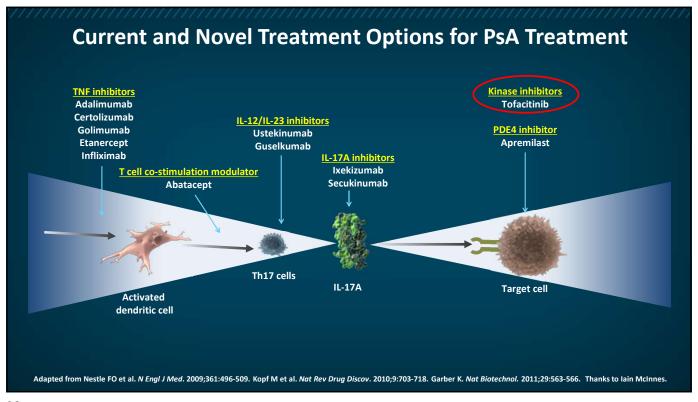
- Phase 3 trial of 741 biologic-naïve patients with active PsA
- Patients randomized to guselkumab Q4W, Q8W, or placebo

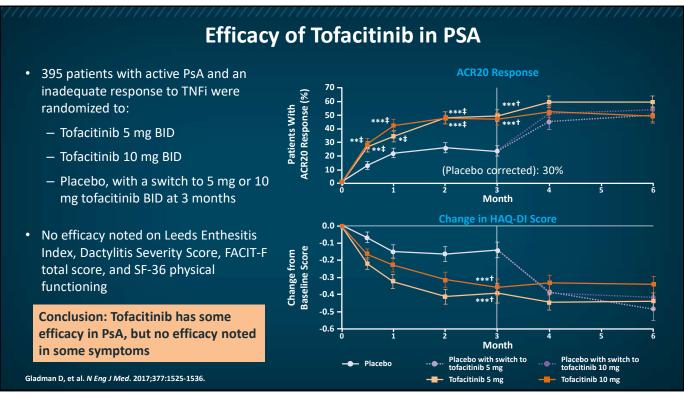


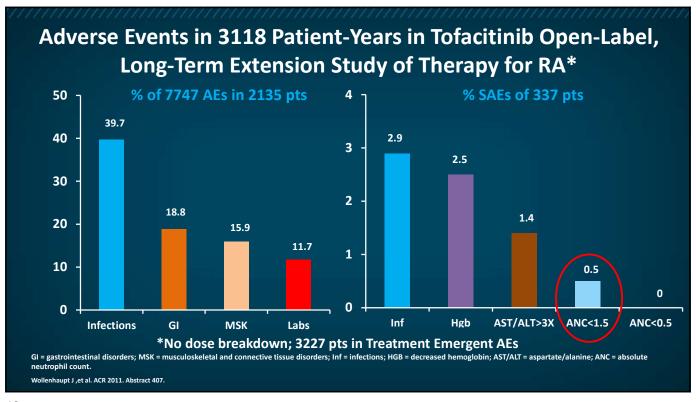
• Significantly greater proportions of patients in the guselkumab Q4W (64%) and Q8W (64%) groups achieved ACR20 at week 24 than placebo (33%)

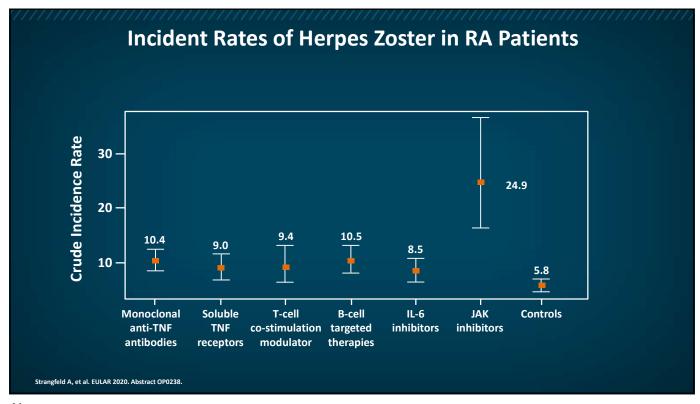
Mease PJ, et al. Lancet. 2020;395:1126-1136.

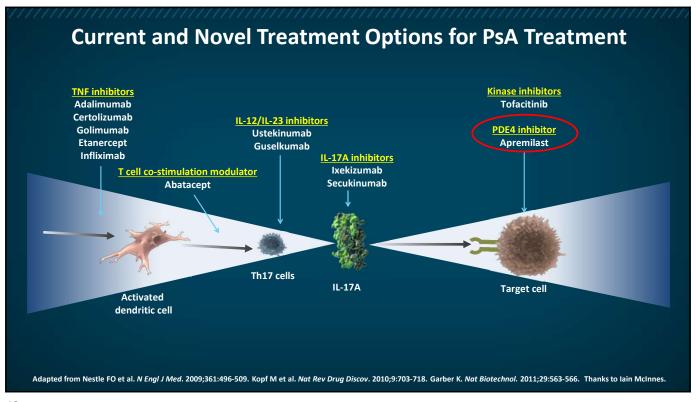
	200	GUS		
	РВО	100 mg Q8W	100 mg Q4W	
Patients with ≥1 AE (%)	60%	54%	55%	
SAE (%)	4%	3%	0%	
Discontinuation due to AE (%)	2%	2%	1%	
Infections (%)	25%	26%	24%	
Alanine aminotransferase increase	2%	6%	4%	
Aspartate aminotransferase increase	2%	7%	2%	
Nasopharyngitis	6%	13%	5%	
Upper respiratory tract infection	6%	6%	9%	

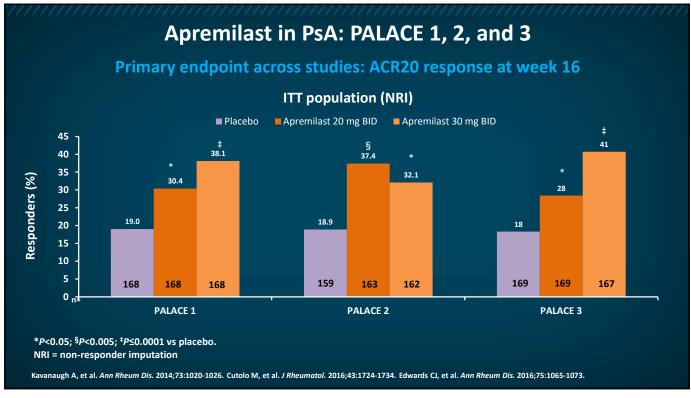


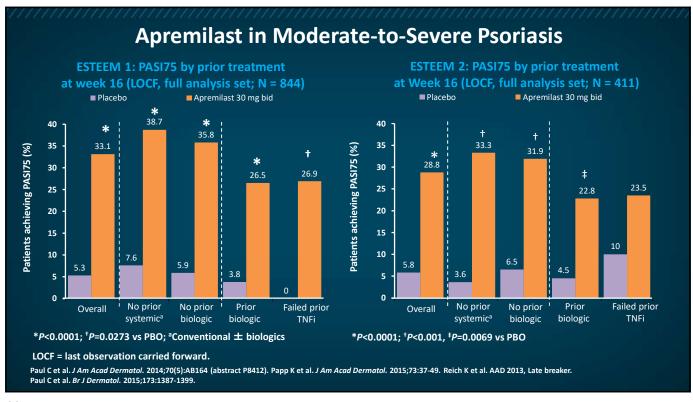


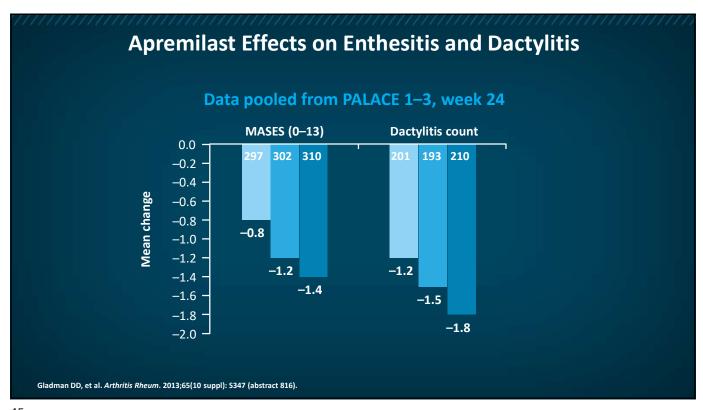




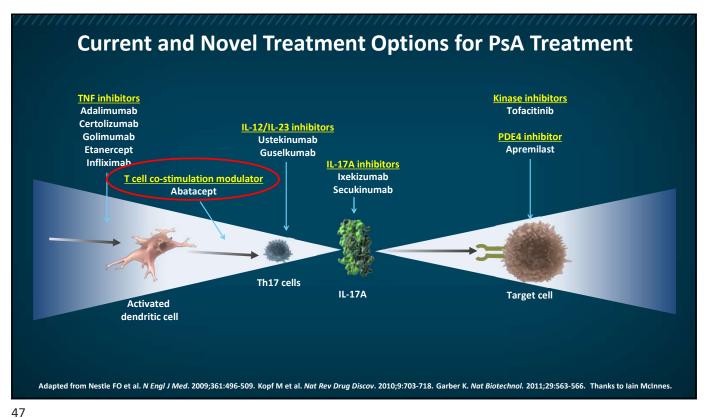


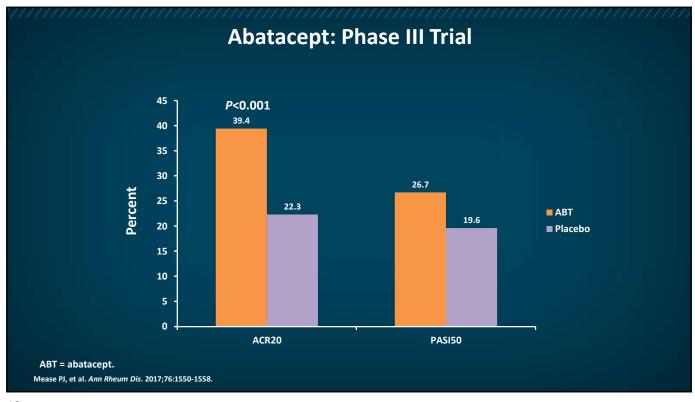






Adverse Events	Placebo (N = 159)	APR 30 BID (24 weeks) (N = 162)	APR 30 BID (52 weeks) (N = 234)
Diarrhea	8 (5.0)	24 (14.8)	32 (13.7)
Nausea	3 (1.9)	26 (16.0)	32 (13.7)
leadache e	7 (4.4)	19 (11.7)	23 (9.8)
JRTI	6 (3.8)	11 (6.8)	22 (9.4)
Nasopharyngitis	6 (3.8)	8 (4.9)	10 (4.3)
Hypertension	7 (4.4)	5 (3.1)	13 (5.6)
_aboratory values			
ALT >150 u/L	1/158 (0.6)	2/160 (1.3)	3/230 (1.3)
Creatinine elevation	0/158 (0.0)	1/160 (0.6)	2/230 (0.9)
<ol> <li>Depression</li> <li>Weight los</li> </ol>	Warnings  n and suicidal bel s		





## **Summary**

- Pharmacologic treatment of PsA is only 1 part of the picture. Other factors to consider include:
- Patient goals
  - Improve quality of life, function, and social participation
  - Control symptoms and inflammation (enthesitis, dactylitis, joint pain)
  - Prevent joint damage
- Starting treatment early
- Minimizing associated comorbidities.
- Multidisciplinary care:
  - Physical therapy, occupational therapy, management of comorbidities by dermatologists, endocrinologists, cardiologists, etc.

Perez-Chada LM, et al. Clin Immunol. 2020;108397.

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## **Case Study**

Active PsA Despite TNFi

## **Case Study: Active PsA Despite TNFi**

- 34-year old woman presents simultaneously with:
  - Mild psoriasis involving the scalp, elbows, and knees (PASI: 8)
  - Pain in her wrist, right hand, right knee, and lower back (CDAI: 16)
- X-ray shows sacroiliac joint lesions on both sides of joint and DIP joint narrowing with erosion





DIP = distal interphalangeal

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## **Active PsA Despite TNFi**

- Normal lab results: CBC, CMP, ESR (16 mm/hr), and CRP 0.6 mg/dL.
- Patient is prescribed:
  - Diclofenac 150 mg QD for 6 weeks
  - Adalimumab 40 mg Q2W for 12 weeks
- After 12 weeks, CDAI increased from 16 to 20 and PASI increased from 8 to 10.

How would you manage this patient?

## **First-line Treatment**

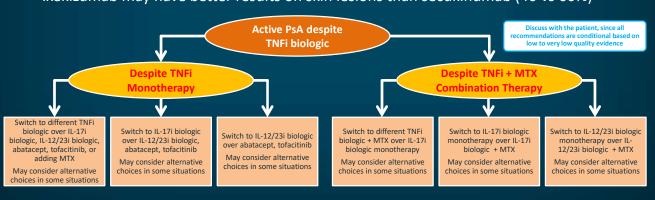
- The patient is switched from adalimumab to infliximab therapy
- Patient responds well to infliximab and reports decrease in pain of her fingers, wrist and knee
- Her most recent lab results show elevation of her liver enzymes (ALT >4xULN, AST >2x ULN)

Would you continue with infliximab or switch to another therapy?

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## **Conclusions**

- Hepatotoxicity warning with infliximab. Stop therapy in cases of jaundice and/or marked liver enzyme elevations (>5x ULN)
- In PsA, ixekizumab and secukinumab both have reasonable responses (30-35%)
  - Ixekizumab may have better results on skin lesions than secukinumab (40 vs 60%)



## **Case Study**

**Patient with Significant Comorbidities** 

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## **Case Study: Patient with Significant Comorbidities**

- Patient is a 55-year old woman who reports swelling of her left wrist. She complains of lower back pain, bilateral shoulder pain, left wrist and right elbow pain, bilateral 3 PIP and right 3, 4 DIP pain.
  - Patient CDAI: 18 (above TJC and SJC, patient global: 6.0, MD global: 5.0)
  - 2+ edema to mid-calf
- Patient has significant skin involvement (PASI:14)

TJC = Tender Joint Count; SJC = Swollen Joint Count

## **Lab and Imaging Results**

- Lab results:
  - Hemoglobin: 10.0 g/dL (normal: 12-16)
  - WBC: 5.2 x 10<sup>9</sup>/L (normal: 4.0-11.0)
  - Platelets: 285 x 10<sup>9</sup>/L (normal: 150-400)
  - ESR: 32 mm/hr (normal: 0-29 mm/hr)
  - Remainder of CBC and CMP are normal.
- Imaging results:
  - Radiographs of the knees shows osteoarthritis on the right.
  - Chest film shows cardiomegaly.

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## **Past Medical History**

- Congestive heart failure
- Obesity (BMI: 32)
- Hypertension (160/95 mmHg)
- History of MI three years ago
- Family history positive for MI

How would you manage this patient?

#### **Current Visit**

- The patient begins taking ixekizumab to control her PsA.
- Two months after starting her therapy, she experiences dyspnea, loss of smell, and a cough for 3 days.
- Her nasal PCR test for COVID-19 is positive.

How would you manage this patient's PsA given her COVID-19 diagnosis?

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#### **COVID-19 Treatment Modifications** All recommendations are Treatment of Rheumatic Disease During the COVID-19 Pandemic8 based on very low quality of Treatment of Rheumatic Disease in the Absence of COVID-19 evidence and moderate to Infection or Exposure high consensus. Continue therapy Immunosuppressants (tacrolimo CSA, MMF, AZA), biologics, JAK inhibitors, NSAIDs The recommendations are for rheumatic disease patients in May be started if clinically indicated general and are not (<10 mg prednisone equivalent/day) subdivided by patient Following SARS-CoV-2 Exposure disease. There are no specific May be continued HCQ/CQ, SSZ, NSAIDs recommendations for PsA. Immunosuppressants (tacrolimus, CSA, MMF, AZA), non-IL-6 biologics, JAK inhibitors Stop therapy temporarily, pending a negative COVID-19 test or 2 weeks Mild COVID-19 symptoms: of symptom-free observation reinitiate therapy in 7-14 May be continued in select days circumstances • Asymptomatic COVID-19: Documented or presumptive COVID-19 May be continued reinitiate therapy in 10-17 SSZ, MTX, LEF, immunosuppressants, non-IL-6 biologics, and JAK inhibitors days Withhold or stop therapy • Severe COVID-19: NSAIDs Should be stopped in patients with reinitiating therapy is severe respiratory symptoms dependent on a case-by-case review Mikuls TR, et al. Arthritis Rheumatol. 2020;72:e1-e12.

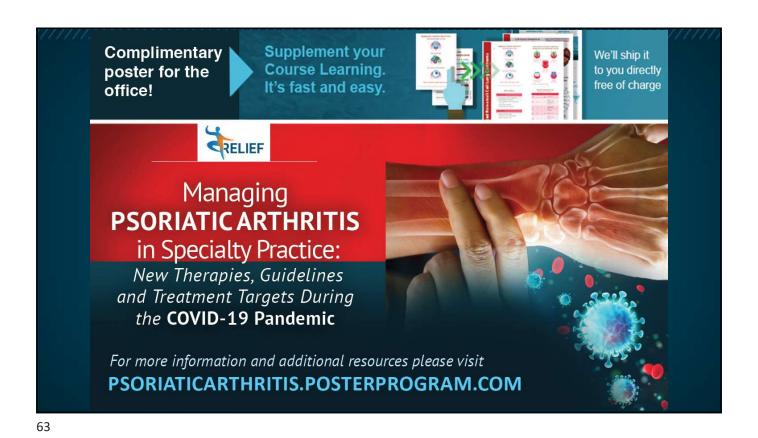
## **Conclusions**

- A TNFi is recommended as a first-line option in treatment-naïve patients. Contraindications to TNFi therapy include congestive heart failure, previous serious infections, recurrent infections, or demyelinating disease.
- IL-17i or IL-12/23i biologics may be used in patients with severe psoriasis or contraindications to TNFi agents. An IL-17i is recommended over an IL-12/23i, unless the patient has concomitant IBD or prefers less frequent dosing.
- An OSM may be used in patients without severe PsA or severe psoriasis



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Managing
PSORIATIC ARTHRITIS
in Specialty Practice:
New Therapies, Guidelines
and Treatment Targets During
the COVID-19 Pandemic

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