

SARCOIDOSIS VASCULITIS AND DIFFUSE LUNG DISEASES 2026; 43 (1); 17851 DOI:
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ANNEX

RISK OF BIAS

Selection (Maximum 5 points)

1. **Representativeness of the sample**

- a) Truly representative of the psoriatic disease population (i.e., consecutive unselected patients in population- or multi-center setting): **2 point**
- b) Somewhat representative (e.g., consecutive patients from single hospital-based setting): **1 point**
- c) Selected/high-risk groups (e.g., inclusion based on abnormal imaging or respiratory symptoms only, or no description): **0**

2. **Coverage of HRCT or CT imaging**

- a) $\geq 90\%$ of included patients underwent imaging (HRCT or chest CT), with description of patients who did not undergo CT: **2 point**
- b) $< 90\%$ underwent imaging, but description provided: **1 point**
- c) No description of imaging coverage or non-respondents: **0 points**

3. **Ascertainment of psoriatic disease**

- a) Diagnosis based on established classification criteria (e.g., CASPAR or dermatologist/rheumatologist-confirmed diagnosis): **1 point**
- b) No description or unclear diagnostic criteria: **0 points**

Comparability (Maximum 2 points)

1. **Reporting of potential confounders**

- a) Reports both psoriasis subtype (PsA vs PsV) **and** smoking status: **2 points**
- b) Reports either psoriasis subtype **or** smoking status: **1 point**
- c) Reports neither: **0 points**

Outcome (Maximum 2 points)

1. **Assessment of ILD**

- a) HRCT interpreted by ≥ 2 independent radiologists or pulmonologists, blinded to clinical data: **2 points**
- b) HRCT interpreted by 1 radiologist or pulmonologist, blinded to clinical data or ≥ 2 independent but unblinded radiologists or pulmonologists: **1 point**
- c) Interpretation by 1 unblinded radiologist or pulmonologist or unclear: **0 points**

Search Strategy

We plan to search the following databases: PubMed, Scopus, and Embase. The search strategy combines terms related to psoriasis and psoriatic arthritis with terms related to interstitial lung disease and relevant HRCT findings.

PubMed Search String

(Psoriasis[Mesh] OR Psoriasis[tiab] OR Psoriatic Arthritis[Mesh] OR Psoriatic Arthritis[tiab])
AND
(High-Resolution Computed Tomography[Mesh] OR HRCT[tiab] OR High-resolution CT[tiab] OR chest CT[tiab])
OR Interstitial Lung Disease[Mesh] OR interstitial pneumonia[tiab] OR interstitial lung abnormalities[tiab]
OR lung fibrosis[tiab] OR pulmonary fibrosis[tiab] OR fibrosing lung disease[tiab]
OR Usual Interstitial Pneumonia[Mesh] OR UIP[tiab] OR usual interstitial pneumonia[tiab] OR Nonspecific Interstitial Pneumonia[Mesh] OR NSIP[tiab] OR nonspecific interstitial pneumonia[tiab]
OR Organizing Pneumonia[Mesh] OR cryptogenic organizing pneumonia[tiab] OR COP[tiab] OR Hypersensitivity Pneumonitis[Mesh] OR HP[tiab] OR hypersensitivity pneumonitis[tiab] OR Pleuroparenchymal Fibroelastosis[tiab] OR PPFE[tiab]
OR reticulation[tiab] OR ground-glass opacities[tiab] OR bronchiectasis[tiab] OR honeycombing[tiab])
NOT review[Publication Type]
NOT (conference abstract[Publication Type])

Scopus Search String

TITLE-ABS-KEY (psoriasis OR "psoriatic arthritis")
AND
TITLE-ABS-KEY (
"high-resolution computed tomography" OR HRCT OR "high-resolution CT" OR "chest CT"
OR "interstitial lung disease" OR "interstitial pneumonia" OR "interstitial lung abnormalities"

OR "lung fibrosis" OR "pulmonary fibrosis" OR "fibrosing lung disease"
OR "usual interstitial pneumonia" OR UIP
OR "nonspecific interstitial pneumonia" OR NSIP
OR "cryptogenic organizing pneumonia" OR COP
OR "hypersensitivity pneumonitis" OR HP
OR "pleuroparenchymal fibroelastosis" OR PPFE
OR reticulation OR "ground-glass opacities" OR bronchiectasis OR honeycombing
)
AND NOT SRCTYPE (r)
AND NOT TITLE-ABS-KEY ("conference abstract" OR congress OR meeting)

AND PUBYEAR > 1989 AND PUBYEAR < 2026
AND (LIMIT-TO (DOCTYPE , "ar"))
AND (LIMIT-TO (SUBJAREA , "MEDI"))
AND (LIMIT-TO (LANGUAGE , "English"))
AND (LIMIT-TO (EXACTKEYWORD , "Human"))

Embase Search String

(psoriasis OR 'psoriatic arthritis')

AND

('high resolution computed tomography' OR HRCT OR 'high-resolution CT' OR 'chest CT' OR
'interstitial lung disease' OR 'interstitial pneumonia' OR 'interstitial lung abnormalities' OR 'lung
fibrosis' OR 'pulmonary fibrosis' OR 'fibrosing lung disease'

OR 'usual interstitial pneumonia' OR UIP OR 'nonspecific interstitial pneumonia' OR NSIP

OR 'cryptogenic organizing pneumonia' OR COP

OR 'hypersensitivity pneumonitis' OR HP OR 'hypersensitivity pneumonitis'

OR 'pleuroparenchymal fibroelastosis' OR PPFE

OR reticulation OR 'ground-glass opacities' OR bronchiectasis OR honeycombing)

NOT review

NOT ('conference abstract')

Limits: Human, English, remove Medline records