ABSTRACT BOOK ABSTRACTS



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PSORIASIS

MANAGEMENT APPROACH OF PSORIATIC ARTHRITIS BASED ON CLINICAL AND RADIOGRAPHIC MANIFESTATIONS OF THE DISEASE AS INDICATORS OF THE PREDOMINANT IMMUNOPATHOLOGICAL PATHWAY. ONE STEP CLOSER TO TREATMENT O

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Introduction: Recent PsA pathogenesis findings had identified the pathways explaining the tissue and molecular mechanisms that correlates with the clinical and radiographic outcomes. Multiple implicit pathways in the literature describes the inflammatory milieu and Immunologic activity targeting the components of joints. The disease is characterized by a broad spectrum of clinical and radiological features, for each different phenotype, there is an associated and determinant immunopathogenic pathway.

Materials and Methods: A broad search of multiple databases identified peer-reviewed publications relevant to the topic. Database searched for the pathogenesis of PsA: BIOSIS Previews (1926–present), Current Contents Connect (1998–present), Embase (1947–present), EmCare (1995–present), MEDLINE (1946–present), and SciSearch (1974–present).

Results: Radiographically, PsA is characterized by asymmetric distribution, involvement of interphalangeal joints with articular narrowing and erosions, bone ankylosis, spur formation, spondylitis, and pencil-in-cup deformity; additionally, bone proliferation is a common simultaneous radiological finding. The three main radiographic findings featuring Psoriatic Arthritis are associated with specific and characteristic immunopathogenic pathways. Well defined, key molecules induced in the setting of the inflammatory arthritis regulates or mediates osteoclastic (TNFa, IL-17), osteoblastic (TNFa ligands) and soft tissue inflammatory events (IL-22, IL-6, TNFa). The pathways and radiographic outcomes correlations leads to potential specific treatment targets.

Conclusions: Evaluation of the clinical features and corresponding radiographic findings,











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could be correlated to a specific allied inflammatory pathway. Determining the predominance of the corresponding pattern, the treatment selection could be directed by the evidence-based findings, providing early guidance of the best treatment choice. A treatment optimization option for those patients.



24TH WORLD CONGRESS OF DERMATOLOGY MILAN 2019



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