

Submitted by: Wesam Gouda  
Email: drwesamgouda@yahoo.com  
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## 1. Subclinical Enthesopathy in Psoriatic Patients and its Relation to Other Disease Parameters: An Ultrasound Study

Primary Author: **Wesam Gouda**  
Institution: Aswan University  
Status: Married  
Eligible for André Lussier bursary: Oui / Yes  
Supervisor's name: Mohamed Ismail  
Supervisor's e-mail: mohamedkareem2000@yahoo.com

Additional Authors: Mohamed Ismail, Al-Azhar University

**Objectives:** We aimed to correlate the subclinical enthesitis in patients with psoriasis detected by means of Ultrasonography (US) with other disease parameters.

**Method:** 50 persons with a definite diagnosis of psoriasis with no clinical evidence of arthritis or enthesitis were selected. All patients underwent complete clinical assessment included Psoriasis severity (PASI) score, body mass index (BMI), PDUS evaluation of Achilles, quadriceps, patellar entheses and plantar aponeurosis. US findings were scored according to the Glasgow Ultrasound Enthesitis Scoring System (GUESS).

**Results:** In 18 of 50 of patients (36%) PDUS found signs indicative of enthesopathy. The Achilles enthesitis had the highest number of PDUS signs of enthesopathy (33.3%), followed by distal patellar enthesitis (22.2%), proximal patellar enthesitis (16.7%), quadriceps enthesitis (16.7%), and plantar aponeurosis enthesitis (11.1%) with variable enthesial morphostructural abnormalities. The GUESS score was directly correlated with age ( $p=0.012$ ), disease duration ( $p=0.044$ ), PASI ( $p=0.035$ ), BMI ( $p=0.011$ ), hyperuricemia ( $p=0.011$ ).

**Conclusion:** In addition to the importance of PDUS as a complimentary tool in examination of entheses in psoriatic patients, the presence of high PASI score together with the increased BMI and hyperuricemia in addition to long disease duration could be considered as predictive parameters for the presence of psoriatic enthesitis.