Arthritis mutilans is considered the most severe form of the 5 original clinical patterns of psoriatic arthritis described by Wright and Moll\textsuperscript{1}, but it also has been observed in rheumatoid arthritis, systemic lupus erythematosus, systemic sclerosis, juvenile idiopathic arthritis, multicentric reticulohistiocytosis, and cutaneous T cell lymphoma\textsuperscript{2,3,4,5,6,7}. We describe a patient with more than 25 years of peripheral inflammatory joint symptoms and findings consistent with arthritis mutilans but without personal or family history suggestive of a specific underlying cause.

A 66-year-old white woman presented with recurrent flares of pain and swelling in her hands and toes associated with hours of disabling stiffness despite prescription nonsteroidal antiinflammatory drugs and narcotic agents. She had no previous treatment with disease-modifying antirheumatic drugs or corticosteroids. Physical examination noted 21 swollen and 21 tender joints, telescoping of multiple digits (Figure 1), foreshortening of her thumbs, and marked instability of her left metacarpophalangeal and right distal interphalangeal joints. Laboratory investigation reflected seronegativity. Inflammatory markers were within normal limits.

Hand radiographs showed severe erosive changes, pencil-in-cup findings, and absorption of the left thumb distal phalanx (Figures 2, 3, and 4). Magnetic resonance imaging of the hands demonstrated prominent enhancement of the affected joints. Wrist radiographs were normal.

Our patient had evidence of active, deforming, erosive polyarthritis with features of arthritis mutilans without clear evidence of an underlying cause. In light of her poor prognosis, therapy with a tumor necrosis factor inhibitor was started. Two months later, she reported substantial decrease in joint pain, swelling, and morning stiffness and had discontinued use of prescription pain medications.

REFERENCES


