Ungoutedly time for a change

Dalbeth et al report the findings of dual-energy CT (DECT) scanning in patients with asymptomatic hyperuricaemia and symptomatic gout. This report reinforces the need to change our terminology, classification and management guidelines for gout as Dalbeth et al have already suggested in another study.

All current guidelines for the management of gout (recent review) advise starting urate-lowering therapies for patients with tophi (urate deposits). Dalbeth et al have shown that urate deposits can be demonstrated by DECT scanning in patients with hyperuricaemia who have never experienced an acute episode of joint inflammation. Additionally, Dalbeth et al (and Choi et al) have demonstrated that DECT scans show that urate deposits are sometimes present in patients with a history of acute joint synovitis but no bedside evidence of tophi. Tophi are urate deposits whether we can see them clinically or need a DECT scan. Does this mean that all patients with urate deposits on DECT scanning need urate-lowering therapy as the current guidelines suggest or are the guidelines not applicable in this setting?

DECT scanning has recently been suggested to be useful as ‘the second line diagnostic evaluation of patients with suspected gouty arthritis’. DECT scanning is a very useful tool for demonstrating urate deposits but will have lesser value in assessment of an acute episode of joint inflammation. Dalbeth et al have again shown that the value of DECT scanning is dependent on the ‘stage’ of the disease at which the patient is in the disease process. Even the sensitivity and specificity of DECT scanning study used a patient group with confirmed crystal positive disease and thus may not be applicable across all stages of the gout spectrum.
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*Ann Rheum Dis* 2015 74: e50 originally published online March 31, 2015

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