

Supplementary Table 1. Previously published classification criteria for gout (chronological order)

Rome¹³

1. Serum uric acid >7mg/dl (male) or >6mg/dl (female)
2. Presence of tophi
3. MSU crystals in synovial fluid or tissue
4. History of attacks of painful joint swelling with abrupt onset and resolution within two weeks

TWO OR MORE criteria required

New York¹⁴

1. At least two attacks of painful joint swelling with complete resolution with two weeks
2. A history or observation of podagra
3. Presence of tophi
4. Rapid response to colchicine treatment, defined as a major reduction in the objective signs of inflammation within 48 hours

***TWO OR MORE criteria required
OR MSU crystals in synovial fluid or tissue***

ARA¹⁰ (full) (1977)

1. More than one attack of acute arthritis
2. Maximum inflammation developed within one day
3. Monoarthritis attack
4. Redness observed over joints
5. First metatarsophalangeal joint painful or swollen
6. Unilateral first metatarsophalangeal joint attack
7. Unilateral tarsal joint attack
8. Tophus (suspected or proven)
9. Hyperuricemia
10. Asymmetric swelling within a joint on x-ray
11. Subcortical cysts without erosions on xray
12. Joint fluid negative for organisms during attack

***SIX OR MORE criteria required
OR MSU crystals in joint fluid or tophus***

ARA¹⁰ (survey) (1977)

1. More than one attack of acute arthritis
2. Maximum inflammation developed within one day
3. Oligoarthritis attack
4. Redness observed over joints
5. First metatarsophalangeal joint painful or swollen
6. Unilateral first metatarsophalangeal joint attack
7. Unilateral tarsal joint attack
8. Tophus (suspected or proven)
9. Hyperuricemia
10. Asymmetric swelling within a joint on x-ray
11. Complete termination of an attack

SIX OR MORE criteria required

Mexico¹²

1. More than 1 attack of arthritis
2. Rapid onset of pain and swelling (less than 24 hours)
3. Mono and/or oligo-articular attacks
4. Podagra
5. Joint erythema
6. Unilateral tarsal joint attack
7. Tophus (suspected or proven)
8. Hyperuricemia (more than 2 SD greater than the normal population average)

***FOUR OR MORE criteria required
OR MSU crystal identification***

Netherlands¹¹

- 2 Male sex

2 Previous patient reported arthritis attack

0.5 Onset within one day

1 Joint redness

2.5 MTP1 involvement

1.5 Hypertension or more than 1 cardiovascular disease

3.5 Serum uric acid level > 5.88 mg/dL

13 Presence of a tophus

Each item contributes its weighted score as shown. A summed score of 4 or less excludes gout; 8 or more suggests gout; between 4 and 8 suggests need for synovial fluid analysis.
