

G-CAN endorsed labels and definitions of the disease elements of gout (Bursill et al, Arthritis Care Res (Hoboken). 2019;71(3):427-34).

	Consensus label	Consensus definition
Chemical elements	1. Monosodium urate crystals	The pathogenic crystals in gout (chemical formula: $C_5H_4N_4NaO_3$).
	2. Urate	The circulating form of the final enzymatic product generated by xanthine oxidase in purine metabolism in humans (chemical formula: $C_5H_3N_4O_3^-$).
	3. Hyperuricemia†	Elevated blood urate concentration over the saturation threshold.
Clinical elements	4. Gout flare	A clinically evident episode of acute inflammation induced by monosodium urate crystals.
	5. Intercritical gout	The asymptomatic period after or between gout flares, despite the persistence of monosodium urate crystals.
	6. Chronic gouty arthritis	Persistent joint inflammation induced by monosodium urate crystals.
	6a. G-CAN recommendation	The label ‘chronic gout’ should be avoided.
	7. Tophus	An ordered structure of monosodium urate crystals and the associated host tissue response.
	8. Subcutaneous tophus	A tophus that is detectable by physical examination.
	9. Podagra	A gout flare at the 1 st metatarsophalangeal joint.
Imaging elements	10. Imaging evidence of monosodium urate crystal deposition	Findings that are highly suggestive of monosodium urate crystals on an imaging test.
	11. Gouty bone erosion	Evidence of a cortical break in bone suggestive of gout (overhanging edge with sclerotic margin).

†In British English, hyperuricaemia.