

Answer is Acute on chronic Tophaceous gout. History of alcoholism with binge drinking, involvement of 1st MTP joint, and underlying deposition of tophi(white chalky material) narrows the diagnosis to Acute on chronic Tophaceous gout.

Gouty arthritis will have 1st MTP joint involvement but other physical findings and clinical scenario makes option 4 as appropriate answer.

Osteoarthritis of 1st MTP joint is a known entity and also can present as acute arthritis due to deposition of crystals like CPPD, but in this case history and findings do not support it.

Rheumatoid arthritis - involvement and deformity of 1st MTP joint can be seen in long standing disease but skin deposits are not seen.

Osteoarthritis of 1st MTP can be seen often with hallux deformity but there won't be any deposits in the skin.