

E.1 Coupled sensitivity and specificity forest plots

Radiography

Figure 2: Radiography for the diagnosis of gout

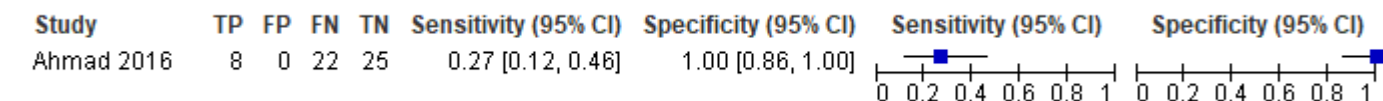
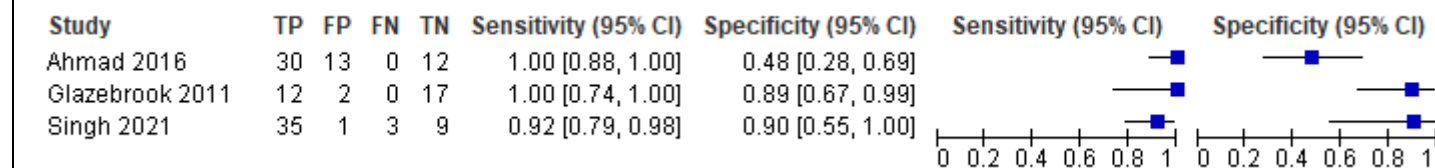


Figure 3: DECT for the diagnosis of gout



Ultrasound

Figure 4: Sensitivity and specificity of DC sign on ultrasound for gout

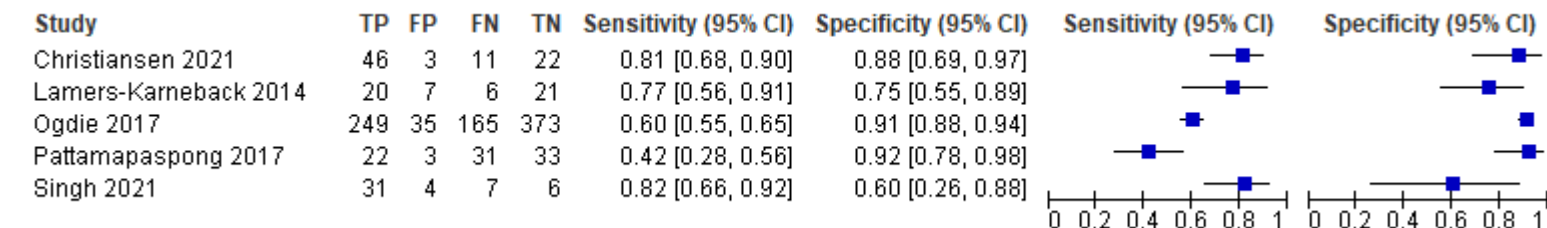


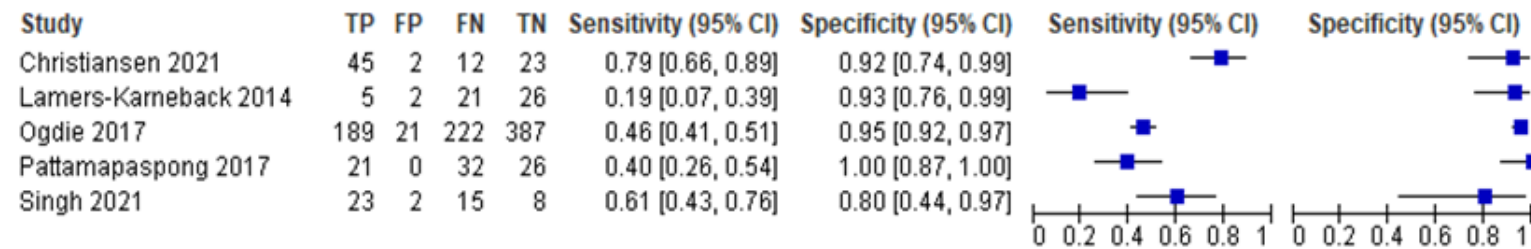
Figure 5: Sensitivity and specificity of tophi on ultrasound for gout

Figure 6: US: aggregates

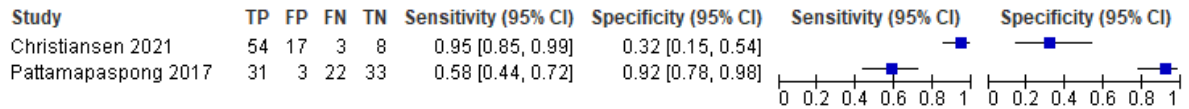


Figure 7: US: erosions

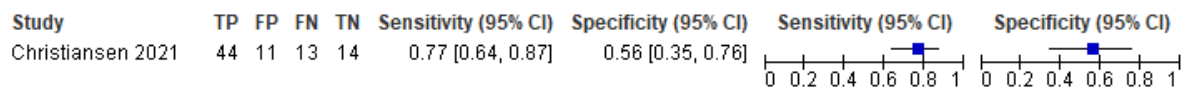


Figure 8: US: synovial hypertrophy

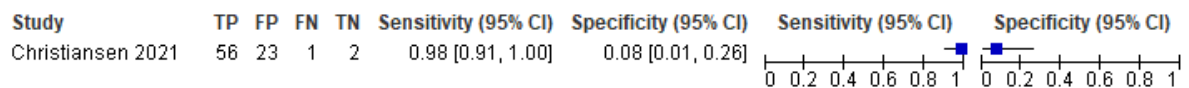


Figure 9: US: doppler activity

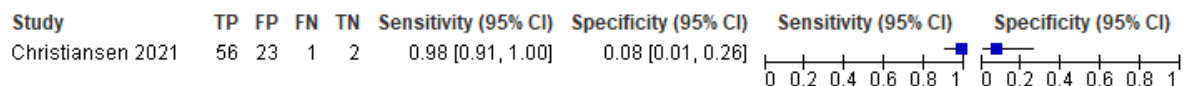
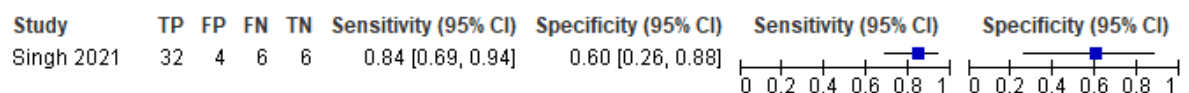


Figure 10: US: diagnosis of gout (DC sign/ tophus as per OMERACT definitions)



Diagnostic criteria for gout not defined in the paper but DC sign and tophus as per OMERACT assessed by ultrasound in the paper.

Figure 11: US: any abnormality (DC sign/ snowstorm/ tophus)

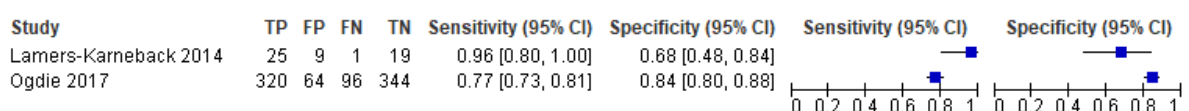


Figure 12: US: snowstorm appearance

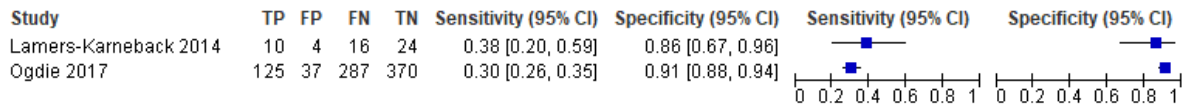


Figure 13: US: all 3 features (DC sign/aggregates/tophi)

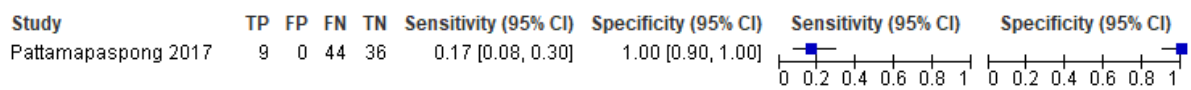


Figure 14: 2 features of gout (DC sign/ snowstorm/ tophus)

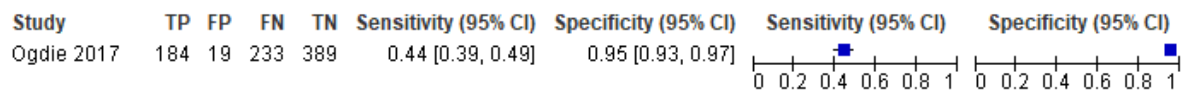


Figure 15: 3 features of gout (DC sign/ snowstorm/ tophus)

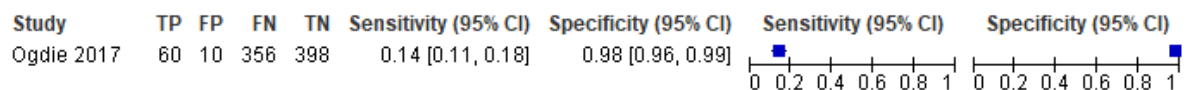


Figure 16: USS: any abnormality (DC sign/ aggregates/ tophus)

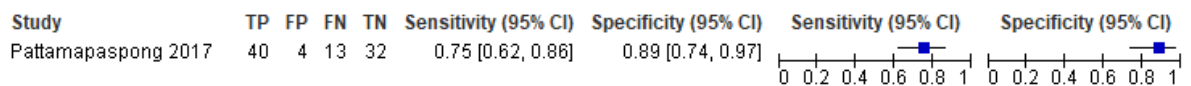


Figure 17: USS: DC sign (joints only)

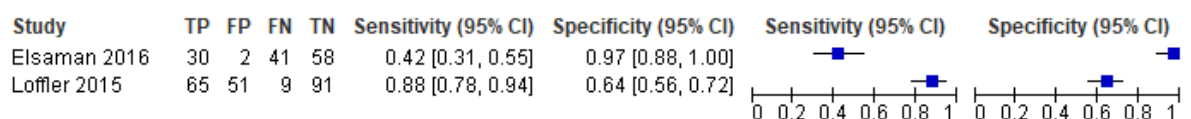


Figure 18: USS: tophi (joints only)

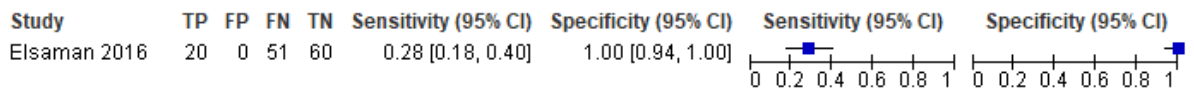


Figure 19: USS: erosions (joints only)

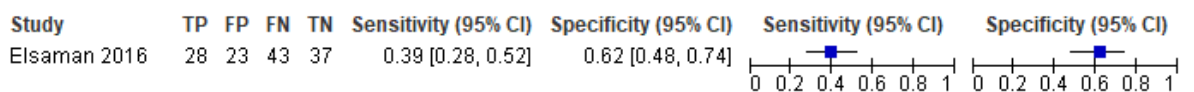


Figure 20: USS: diagnosis of gout (joints only). Based on one or more of the 4 sonographic signs (echogenic foci, erosions, DC signs , tophi)

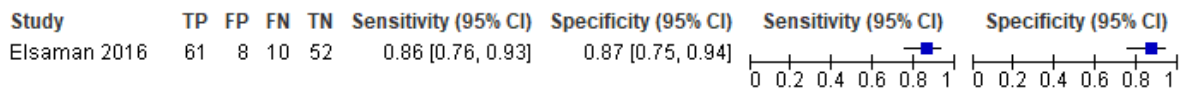


Figure 21: USS: echogenic foci (joints only)

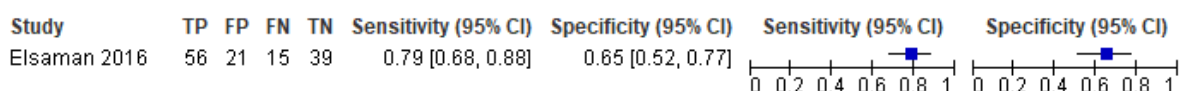


Figure 22: USS: echogenic foci + DC sign (joints only)

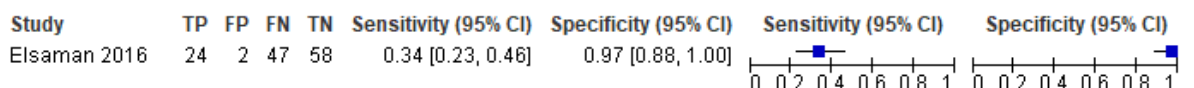


Figure 23: USS: echogenic foci +/- DC sign (joints only)

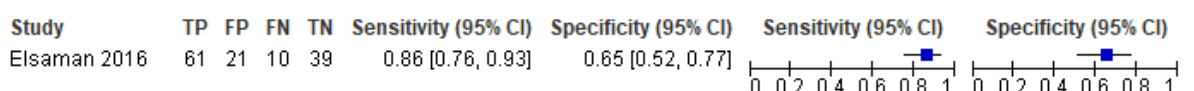


Figure 24: USS: DC sign + doppler activity (joints only)

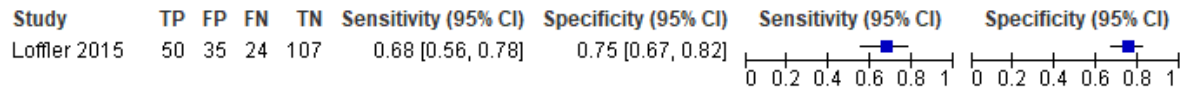


Figure 25: USS: DC sign + doppler activity + SUA (joints only)

