**Suplemmentary file 2**

Table 8. Interobserver agreement for anatomical region and elementary component at time T1

|  |  |
| --- | --- |
|  | T1 |
| Anatomical region\* | *k* | *p* value |
| Wrist Effusion HS PD Erosion | 0.67670.51020.56520.63870.7099 | <0.0001 |
| MCP Effusion HS PD Erosion | 0.68660.51670.53890.76800.6877 | <0.0001 |
| PIP Effusion HS PD Erosion | 0.71070.60540.67600.68040.9207 | <0.0001 |
| Elbow Effusion HS PD Erosion | 0.72910.68600.63820.46461.0000\* | <0.0001 |
| Shoulder Effusion HS PD Erosion | 0.72710.70070.68281.0000\*0.8097 | <0.0001 |
| Knee Effusion HS PD Erosion | 0.71920.36380.46090.47331.0000\* | <0.0001 |
| TT Effusion HS PD Erosion | 0.80430.83770.70481.0000\*1.0000\* | <0.0001 |
| MTP Effusion HS PD Erosion | 0.70400.48780.60620.68640.1408 | <0.0001 |

\*All observers rated this parameter as 0.

MCP: Metacarpophalangeal joints; MTP: Metatarsophalangeal joints; PIP: Proximal interphalangeal joints; TT: Tibiotalar joints; T1: First reading