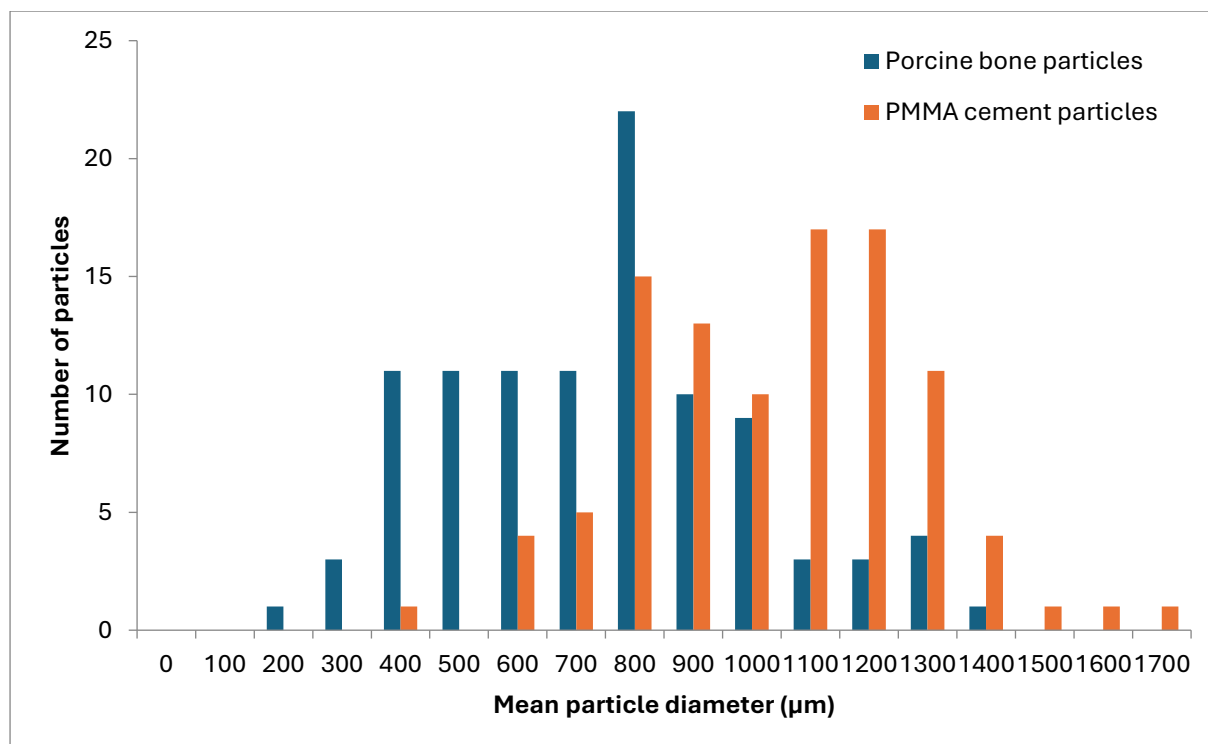
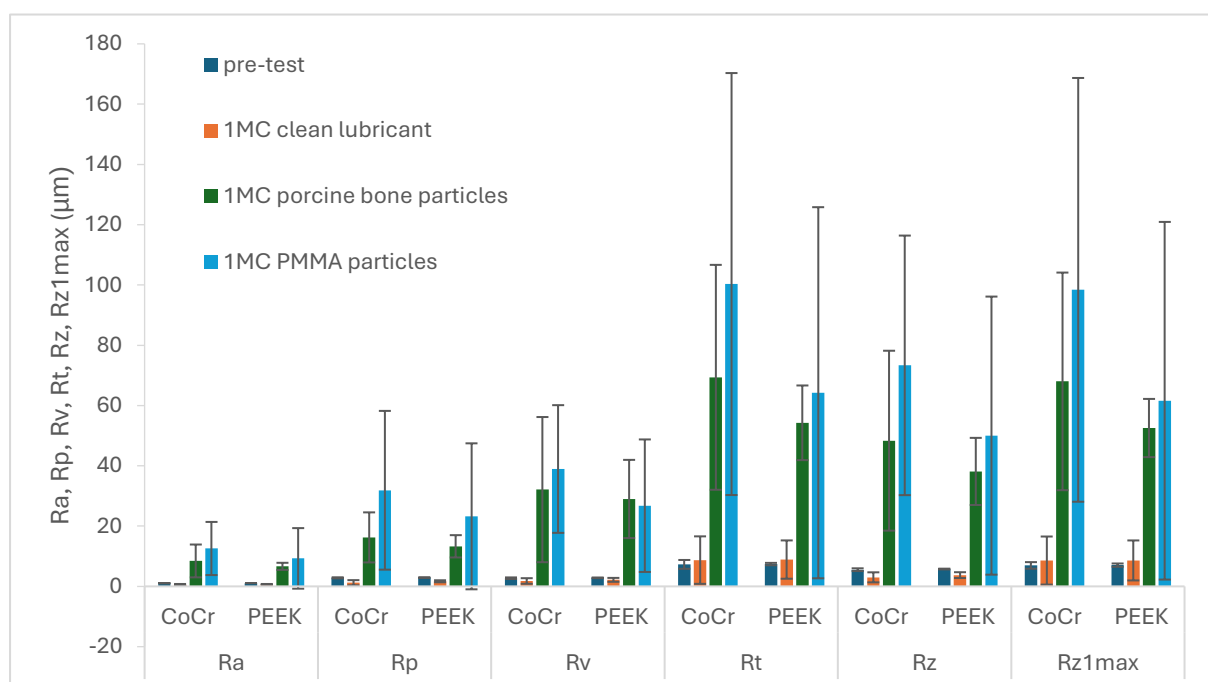
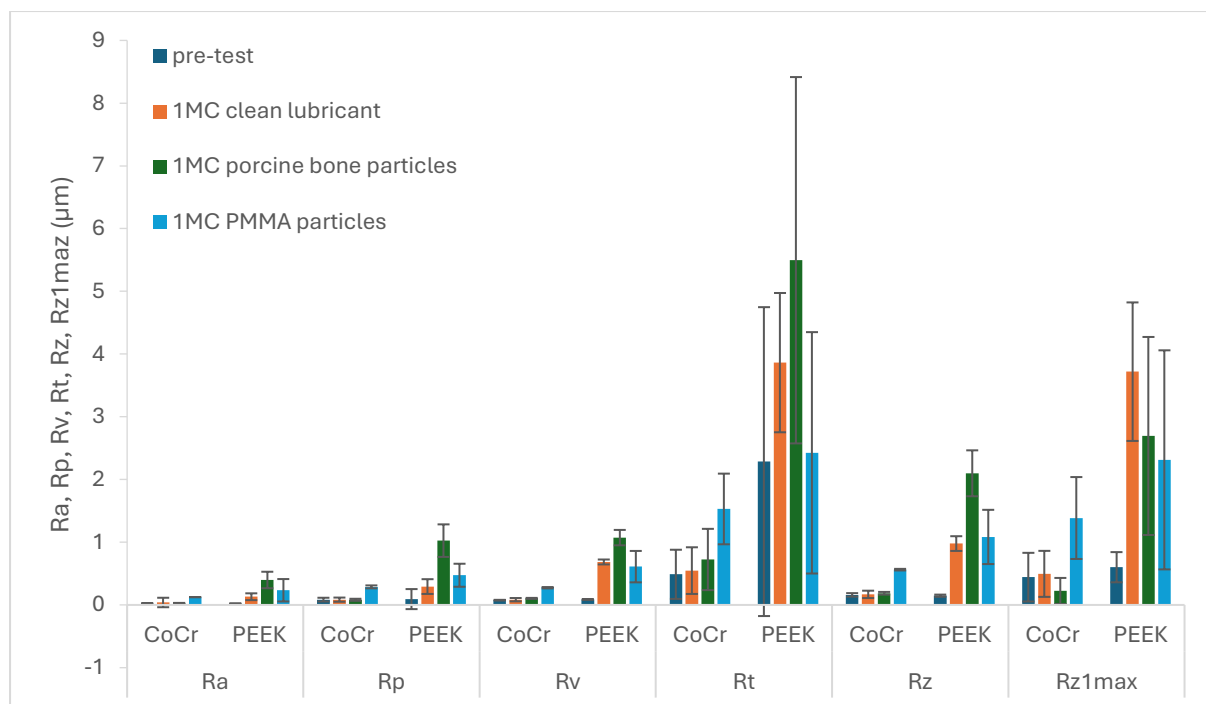




Supplementary Figure 1: Size distribution of bone and PMMA particles (μm), 100 particles of each type analysed.



Supplementary Figure 2: Mean Ra, Rp, Rv, Rt, Rz and Rz1max (μm) ± 95% CL of tibial components articulating against PEEK and CoCr femoral components at each measurement point, N=3.



*Supplementary Figure 3: Mean Ra, Rp, Rv, Rt, Rz and Rz1max (μm) ± 95% CL of femoral components articulating against PEEK and CoCr femoral components at each measurement point, N=3.*