

Sequential release of double drugs (graded distribution) loaded gelatin microspheres/PMMA bone cement

Supporting Information

S1.1. Particle size distribution of the microspheres

The particle size of the synthetic ALN-loaded gelatin microspheres was ranging from 35 μm to 74.5 μm in Fig. S1(a), while the large particle size from 45 μm to 86 μm was exhibited in the GS/ALN-dual-loaded gelatin microspheres in Fig. S1(b). This phenomenon was attributed to the swelling property of gelatin, which led to the increased volume after immersing the ALN-loaded gelatin microspheres into the GS solution.

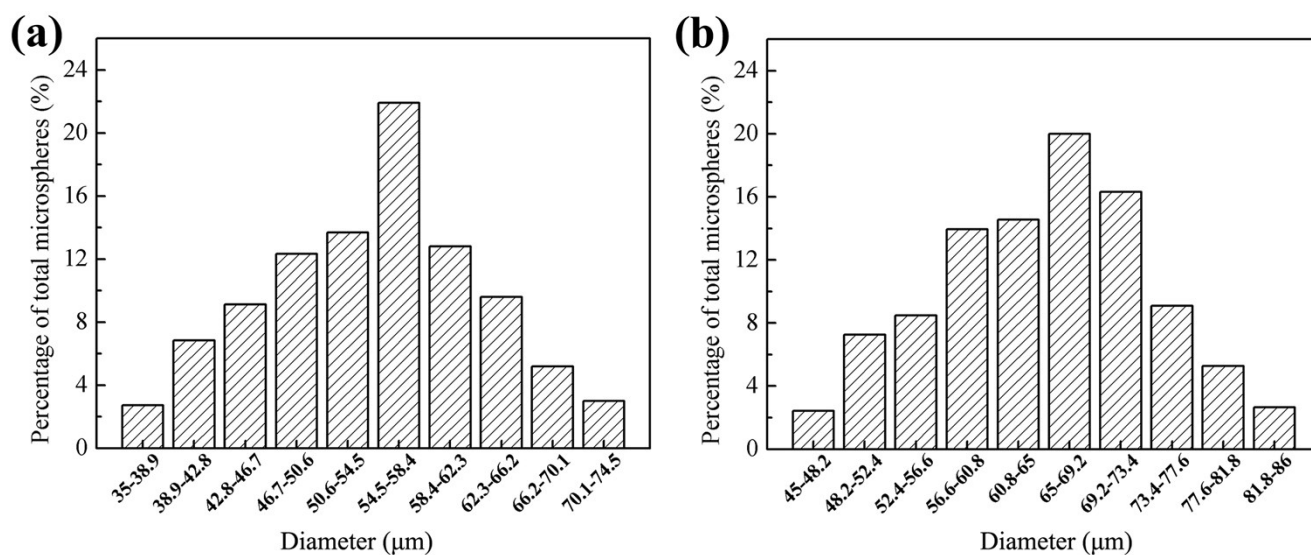


Fig. S1. Particle size distribution of (a) ALN-loaded gelatin microspheres; (b) GS/ALN-dual-loaded gelatin microspheres.