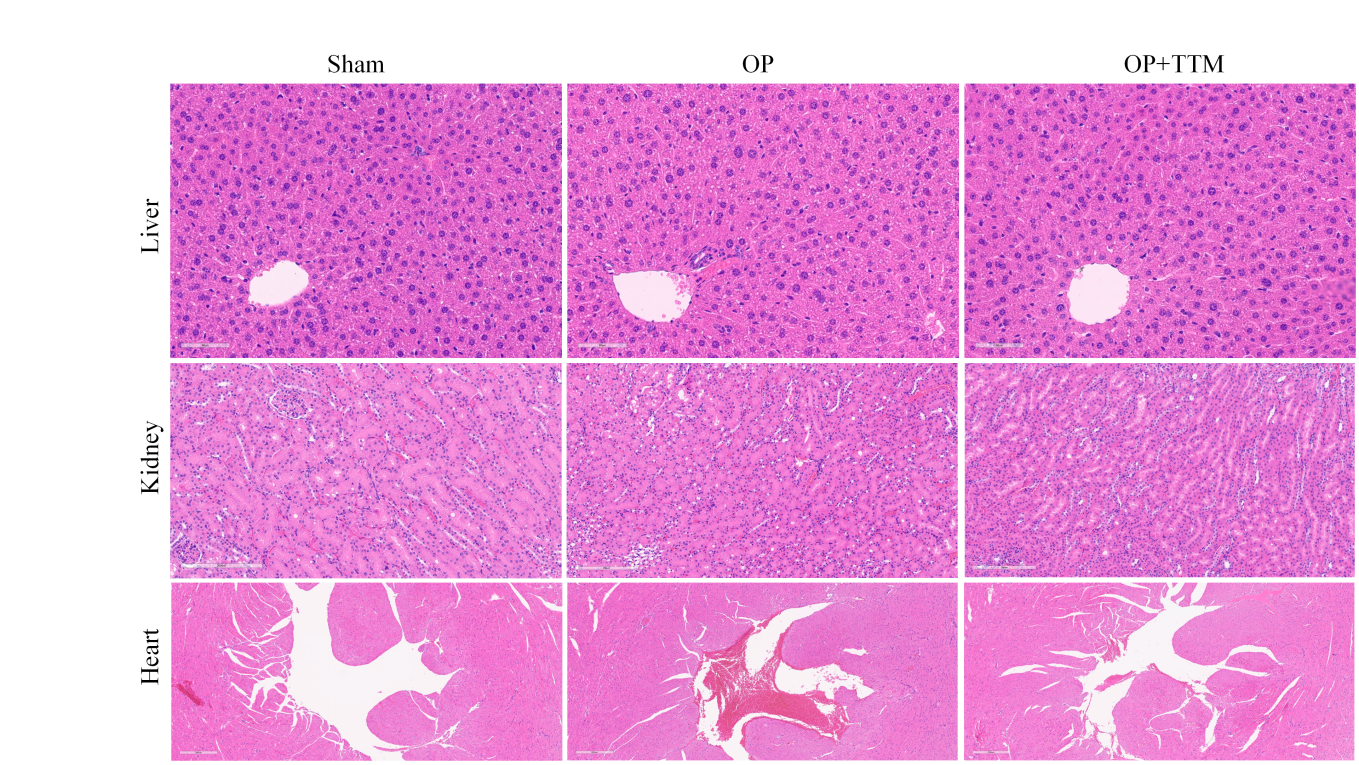
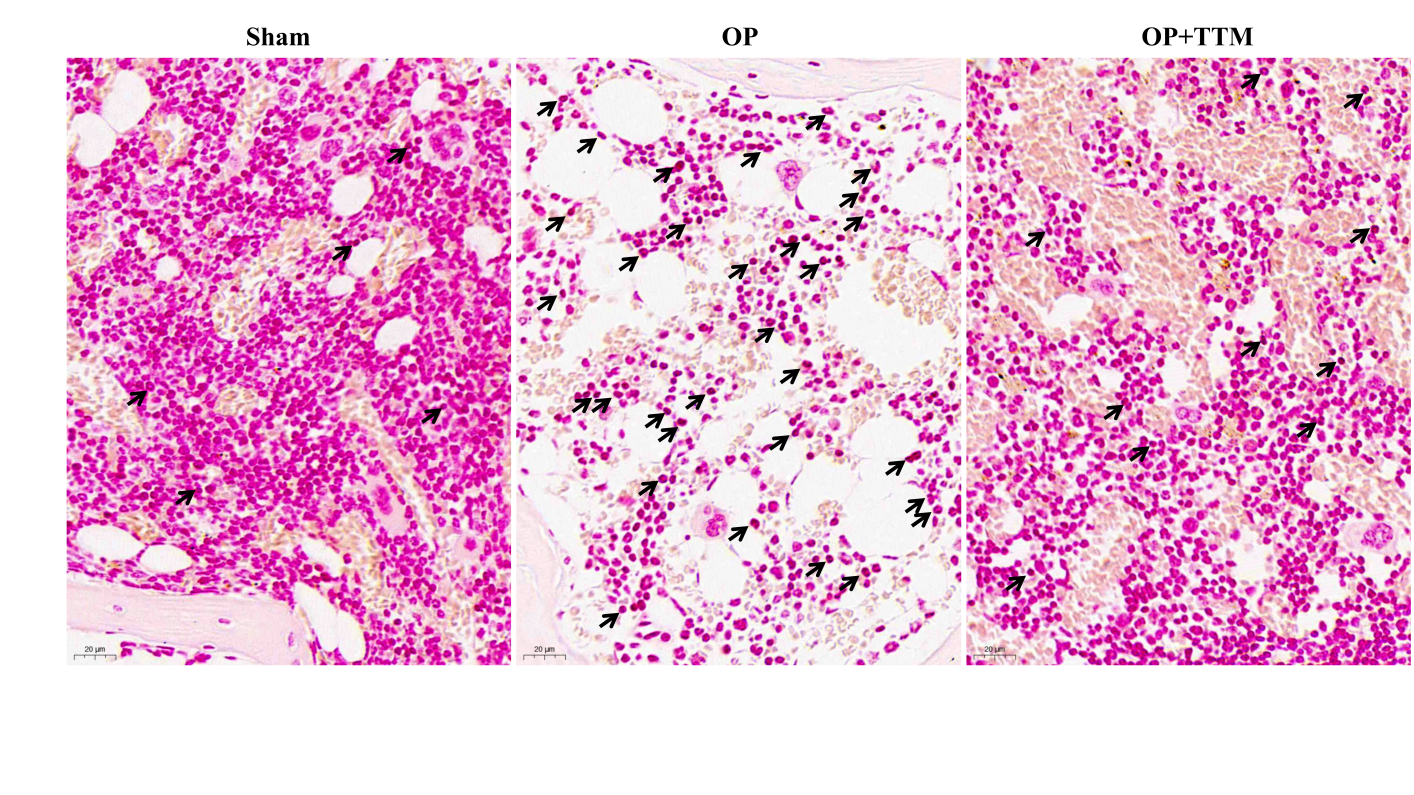
Figure S1

**Supplementary Fig. 1. Serum copper ion concentration detection by** **ICP-MS Analysis.** (Sham: Sham group, OP: OP model group, OP+TTM: OP + TTM administration group, n = 6, \**P*<0.05, \*\**P*<0.01).



**Supplementary Fig. 2. HE staining of heart, kidney and liver tissues.** (Sham: Sham group, OP: OP model group, OP+TTM: OP + TTM administration group, n = 6).



**Supplementary Fig. 3. Detection of copper ions in bone tissue by copper erythrocyanine staining.** (Sham: Sham group, OP: OP model group, OP+TTM: OP + TTM administration group, n = 6).