π⁰ to two-photon decay in lattice QCD EIGO SHINTANI, Osaka University, JLQCD COLLABORATION — π⁰ → γγ decay, which is induced by the axial anomaly. Using the overlap fermion we explicitly calculate the amplitude for the π⁰ → γ*γ* process. Our result nicely reproduces the prediction from the axial anomaly in the on-shell limit thanks to the exact chiral symmetry on the lattice, and also give a useful information for the lattice calculation of hadronic light-by-light scattering diagram for muon g-2.