This presentation will describe the research of a case study on the restoration and conservation treatment of Giulio Quaglio’s mural painting (1705 – 1706) in the Cathedral of Saint Nicholas in Ljubljana, Slovenia.

The degradation level of paint layers before treatment, the choice of the chemical cleaning procedure, and the retouching binder will be discussed, presenting the results gained by scanning electron microscopy/energy dispersive spectroscopy (SEM / EDS), Fourier transform infrared (FTIR) microscopy, and x-ray diffraction (XRD) techniques.