



Cathedral of Saint Nicholas  
Ljubljana, Slovenia



## *Mural Paintings Research: State of Color Layers, Chemical Cleaning, and Retouching*

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This presentation will describe the research of a case study on the restoration and conservation treatment of Giulio Quaglios' 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.



Before and after  
cleaning and  
reconstruction.

MCI  
Topics in  
Museum  
Conservation

*10:45am*

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MCI Theater

Museum Support  
Center

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