

## **S4-1.6**

# **Polarization Tomography of Synovial Fluids Polycrystalline Layers**

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The experimental and diagnostic capabilities of the polarization tomography method of linear birefringence distributions of polycrystalline films of the synovial fluid of a human joint in the differentiation of its pathological states are considered. Present the structural-logical scheme and analytical description of the differential diagnosis of aseptic and septic loosening of the artificial hip joint endoprosthesis using the methods of differential Mueller-matrix mapping.