

## 子宮頸がんの病理組織を用いた質量分析イメージング

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Until now, histopathological tissue blocks have had limited applications for research purposes, and exploring disease-specific biomarkers has been considered challenging. In this study, we employ MALDI-TOF-MS (Matrix-Assisted Laser Desorption/Ionization Time-of-Flight Mass Spectrometry) to perform protein and peptide mass analysis on such histopathological tissue blocks, aiming to discover disease-specific biomarkers. Furthermore, by utilizing the spatial information from mass analysis, we enable imaging and integration of proteomics data correlated with histopathological morphology.