

## CUSTOMER SUCCESS STORY

### Medipol Pathology Center Accelerates Faster and More Accurate Diagnoses with **Virasoft** AI-Based Solutions

#### CUSTOMER BACKGROUND

Founded in 2011, the Department of Pathology at Istanbul Medipol University Faculty of Medicine is dedicated to providing education, conducting research, and offering laboratory services.

Situated on the university hospital campus, the pathology laboratory handles the diagnosis of around 30,000 biopsy, consultation, and cytology materials annually, in addition to performing 330 intraoperative examinations. As part of the Medipol Digitalization Journey, the University Faculty has placed a priority on transforming the pathology center.

#### CUSTOMER CHALLENGES

Biopsies underwent traditional evaluation with various staining techniques, leading to archival complexities. In line with the university's commitment to digital transformation, Medipol University Hospital Pathology Centre embarked on a journey to modernize its pathology laboratories.

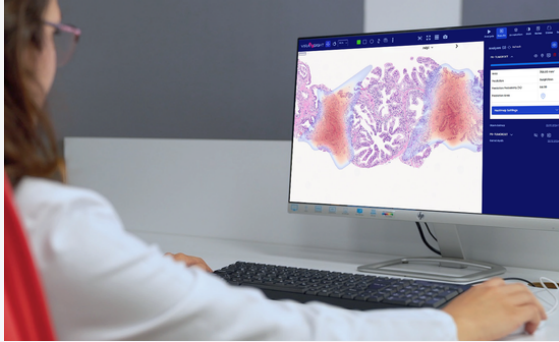
#### SOLUTION IMPACTS

- Diagnostic processes and consultations are conducted independently of time and location.
- Streamlined diagnostic processes and real-time monitoring contribute to increased efficiency.
- Student and resident training sessions and case discussions are organized seamlessly through digitalization.

“  
We have embarked on a transformative journey to transform our pathology laboratories, and Virasoft emerged as our trusted partner in this endeavor. The collaboration with Virasoft reflects their commitment to innovation and excellence in healthcare technology.  
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Medipol Digital Pathology Project Manager Şerife Biroğlu and Dr. Aslı Cakır, Medipol Pathology Center

## VIRASOFT SOLUTIONS

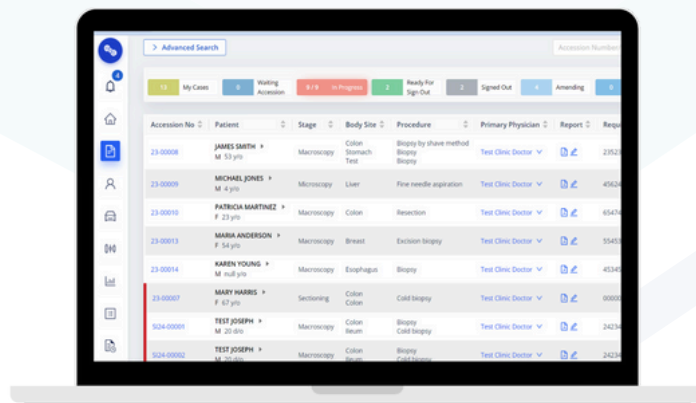


### AI-Based Decision Support Algorithms:

- Compatible with various image formats and scanners.
- Fully interoperable with VIRACENTER and VIRAPIS.
- Prostate Tumor Detection, Ki67 and HER2 algorithms
- Reduced Interobserver and Intraobserver Variation
- Case triage for prostate needle biopsy
- Heatmap visualization
- Academic studies

### VIRASIGHT Image Viewer:

- Offers AI-based decision support algorithms.
- Enables comprehensive image analysis, allowing users view both numerical and visual results on whole slide images.
- Provides easy access to digital slides, enabling user-friendly navigation.
- Simplifies the annotation process, allowing users mark regions on whole slide images.
- CE-IVD certified



### VIRAPIS Business Process Automation:

- Streamlines diagnostic processes for increased efficiency.
- Provides real-time monitoring and alerts for improved workflow management.

### VIRACENTER Image Management System:

- Enables independent diagnostic processes and consultations regardless of time and location.
- Facilitates the digitalization of pathological images for enhanced efficiency.

### PATHOCLASS Online Training Platform:

- Supports the organization of student and assistant training sessions.
- Enhances case discussions through digitalization of pathological images.

## Virasoft's Impact on Cancer Diagnosis and Research

Founded in 2015, Virasoft specializes in services that accelerate and digitalize cancer diagnosis. Virasoft is committed to developing AI-based decision support algorithms, workflow solutions, telepathology platforms, and pathology education systems for evolving digital pathology needs.



**400,000**  
digital cases



**20,000**  
Consultations with  
digital pathology



**2,000**  
Digital frozen  
sections



**30,000**  
Analyses with  
algorithms