

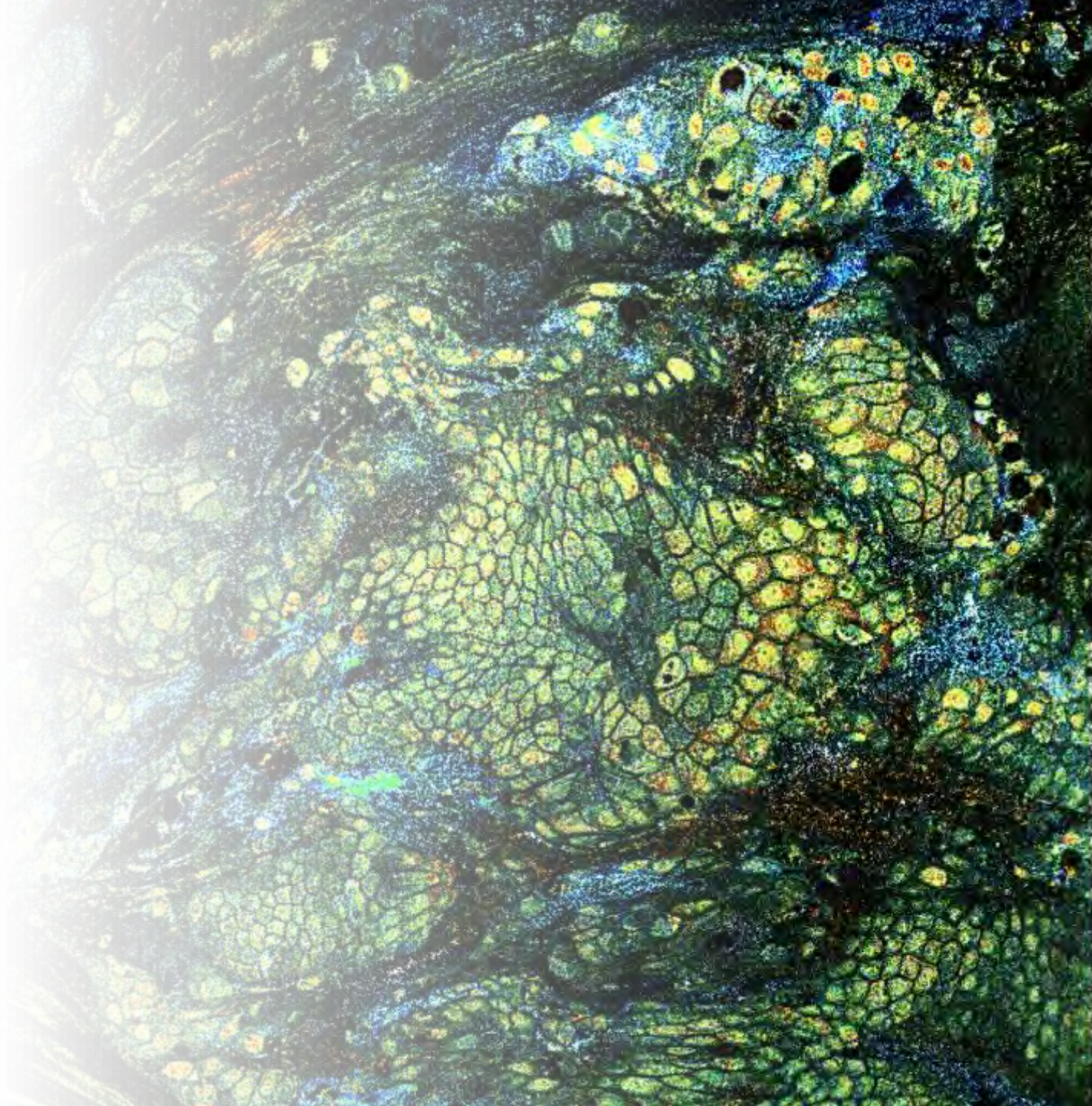


Educational Image Reference Guide



© 2025 CellTivity Scientific, Inc. All Rights Reserved

CONFIDENTIAL – NOT FOR DISTRIBUTION





Intended Use and Educational Reference Disclaimer

INTENDED USE

Van Gogh™ is a phase contrast microscope that utilizes advanced optical tomography to provide in-depth, three-dimensional images of fresh tissue samples. This is achieved with micrometric precision without the need for staining or cutting the tissue. Van Gogh incorporates Dynamic Cell Imaging™ (DCI), an advanced technique that captures the natural movement within cells by recording changes in the interferometric images over several seconds. As a result, metabolic contrast within the cells of a biopsy is revealed.

This device offers non-invasive, digital 2D and 3D imaging that reveals cellular and subcellular details. Crucially, the examination process preserves the integrity of the tissue, allowing it to be further used for histological analysis afterward.

As an FDA class I in vitro diagnostic medical device, Van Gogh is designed to deliver swift and accurate microscopic optical images of unstained surgical specimens as soon as they are resected. This enables physicians to assess the tissue and make informed clinical decisions on-site quickly. The use of Van Gogh aims to enhance patient care planning and increase the efficiency of medical institutions.

EDUCATIONAL REFERENCE DISCLAIMER

The images and classifications presented in this handout are provided solely for educational and training purposes to illustrate the types of appearances observed with Van Gogh™ in correlation with final pathology. Each example includes the Dynamic Cell Imaging (DCI) view, the Histoview™ image, and the corresponding final pathology interpretation as confirmation of the tissue type.

These materials are not intended to establish or substitute a diagnosis. Van Gogh™ does not provide diagnostic, prognostic, or treatment determinations. Image categories such as benign, inflammation, granuloma, adenocarcinoma, squamous cell carcinoma, or other conditions are shown only as representative examples of how certain tissue types may appear when imaged with this technology.

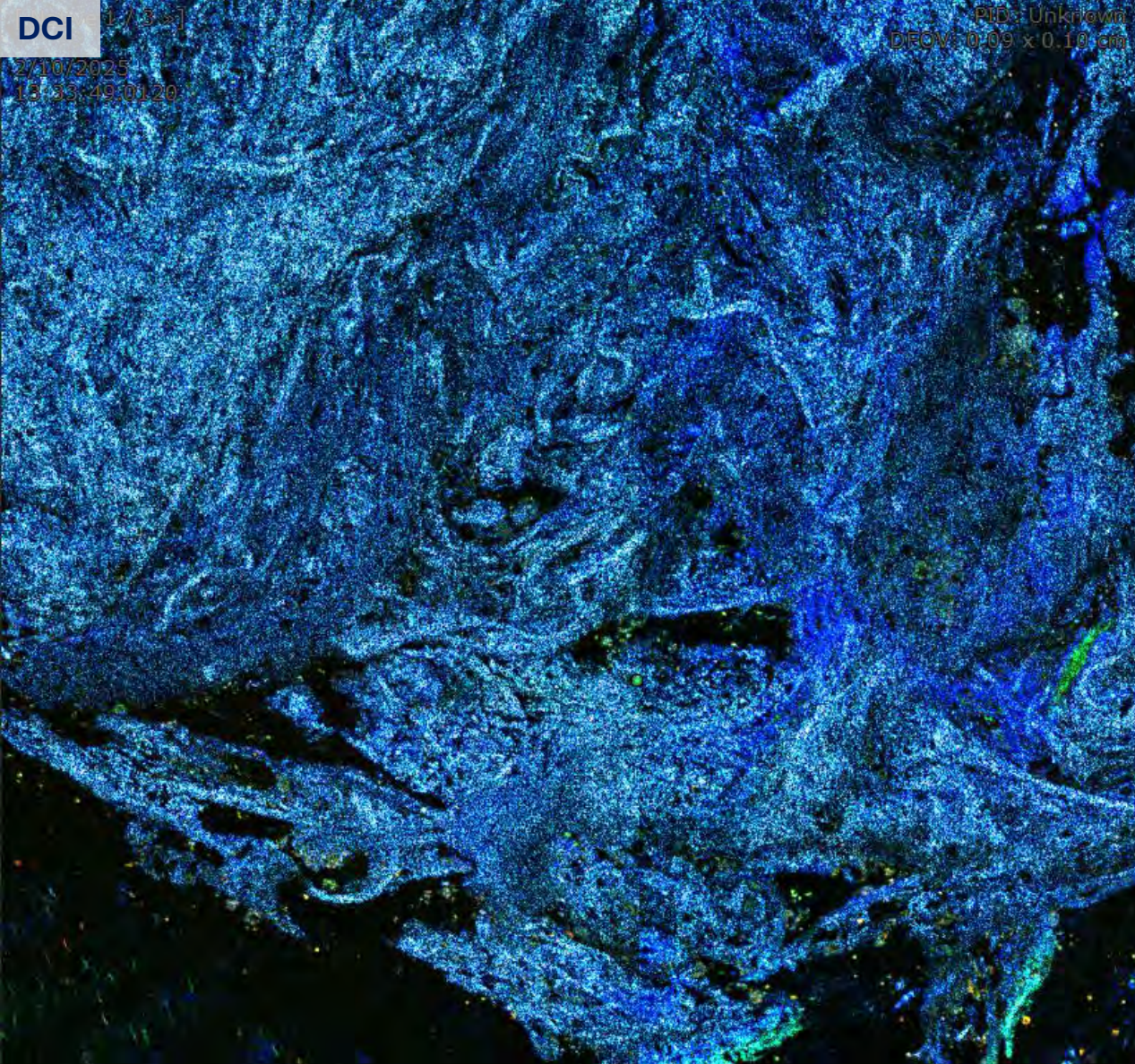
Clinical decisions must always be based on the totality of available medical information, including histopathology, molecular testing, and the judgment of qualified healthcare professionals.

Use of this handout outside the scope of its intended purpose may lead to misinterpretation. The manufacturer disclaims liability for clinical decisions made solely on the basis of these training images.

Van Gogh™

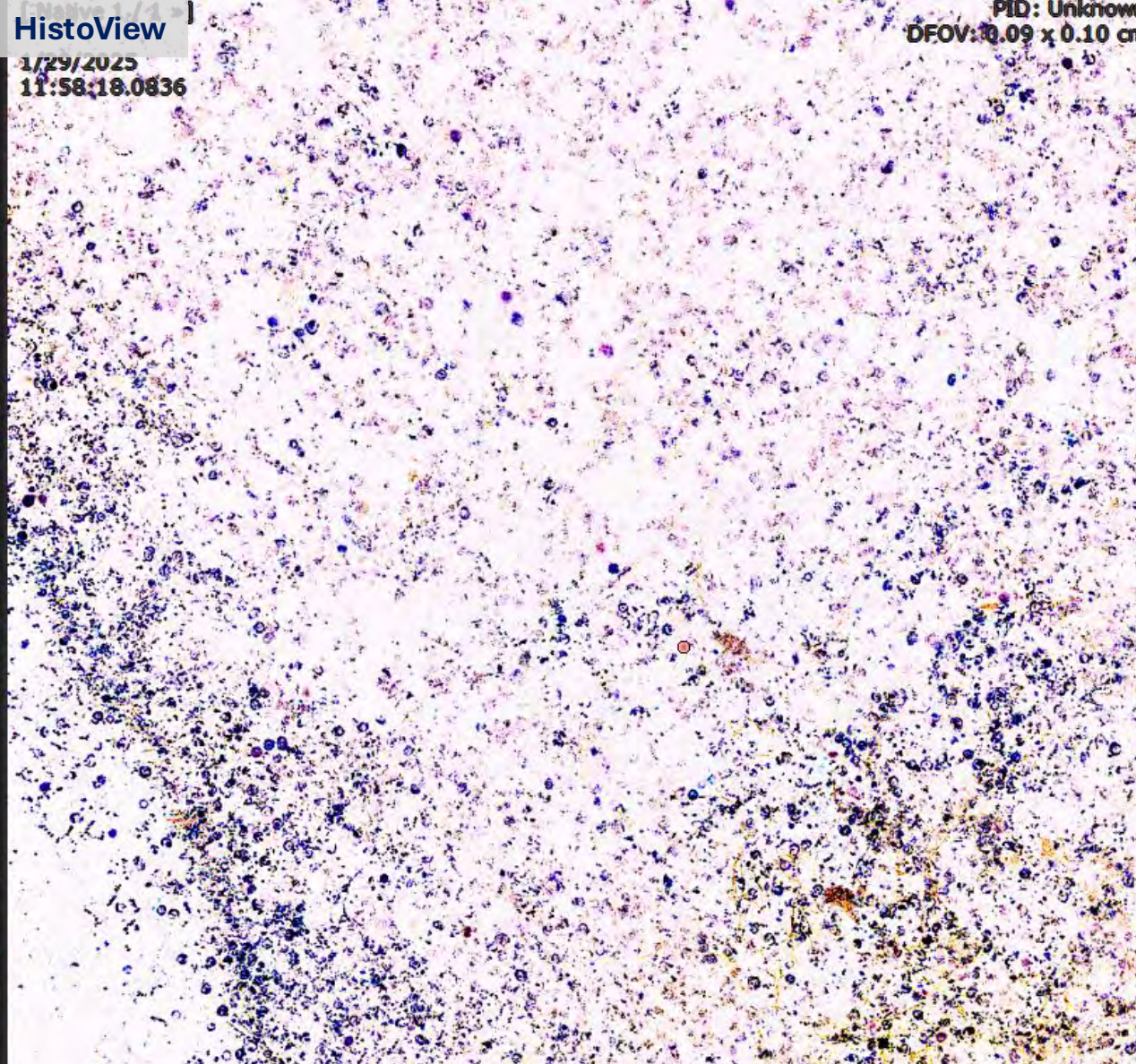
Microscopy System

BENIGN

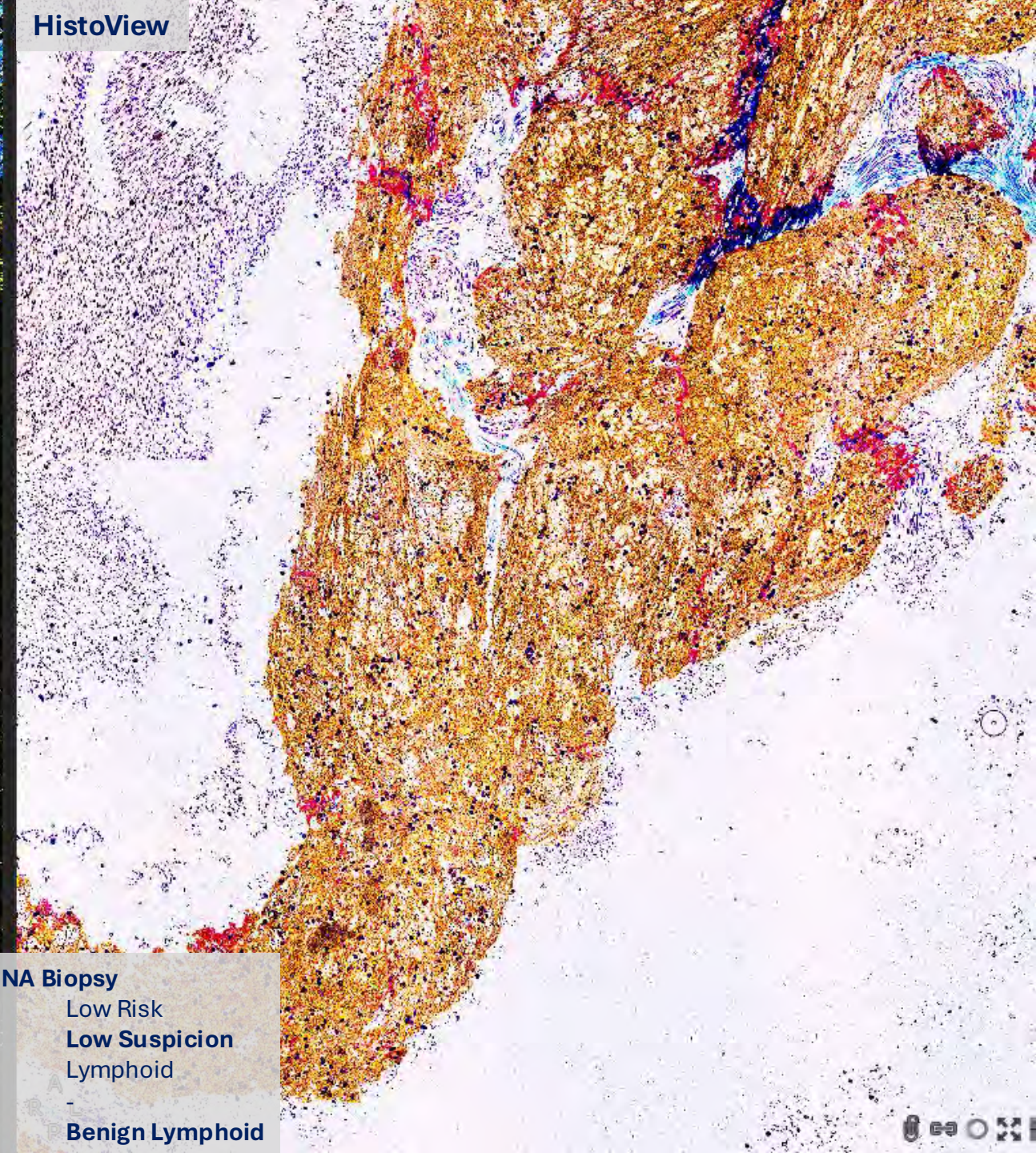
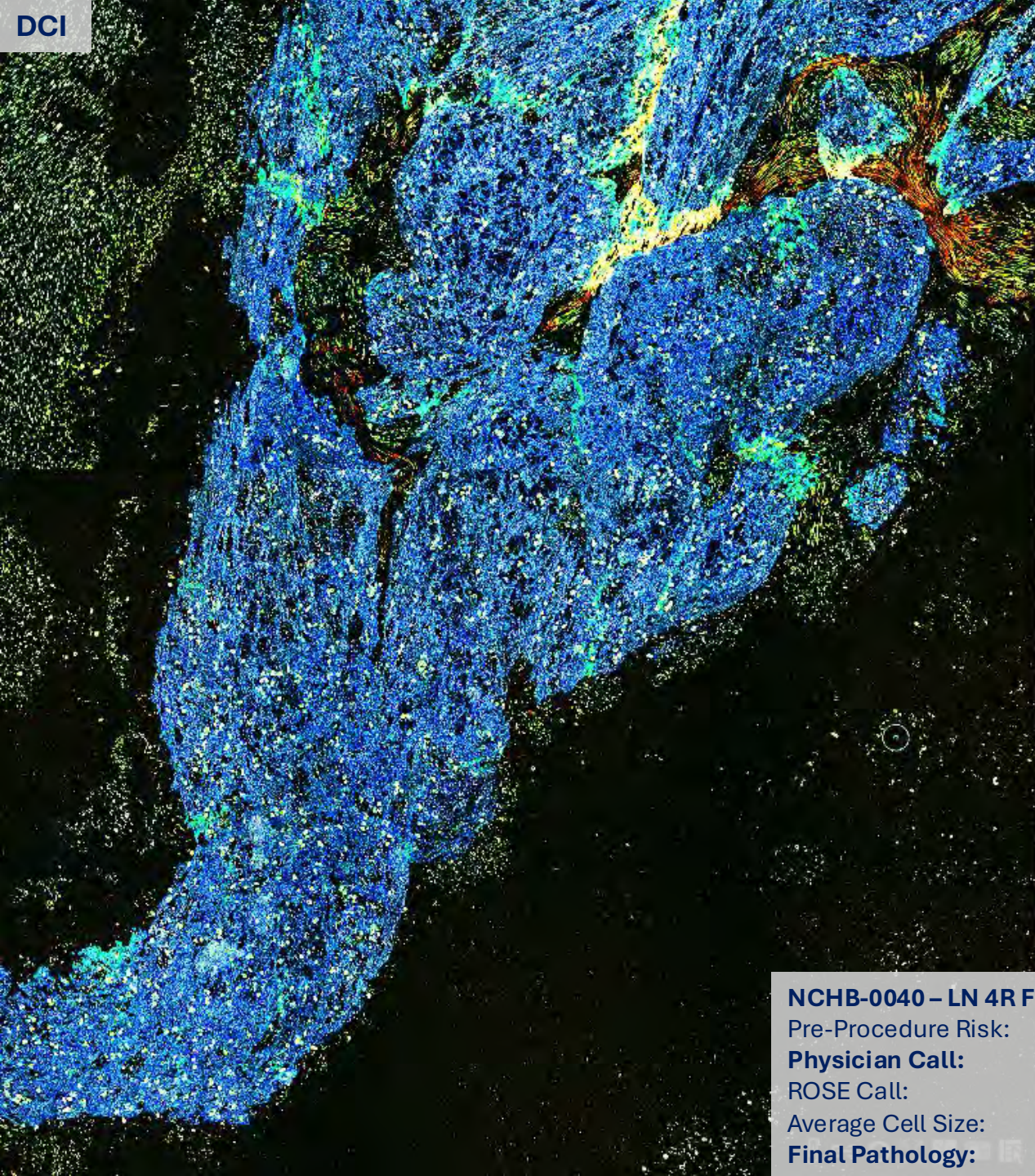


NCHB-0018 - LLL Cryobiopsy
Pre-Procedure Risk: High Risk
Physician Call: No Call
ROSE Call: No Call
Average Cell Size: -
Final Pathology: -

1/29/2025
11:58:18.0836



UPMC-0045 – LN 7 FNA Biopsy
Pre-Procedure Risk: Moderate Risk
Physician Call: No Call
ROSE Call: Blood
Average Cell Size: -
Final Pathology: -

**NCHB-0040 – LN 4R FNA Biopsy**

Pre-Procedure Risk:

Low Risk

Physician Call:**Low Suspicion**

ROSE Call:

Lymphoid

Average Cell Size:

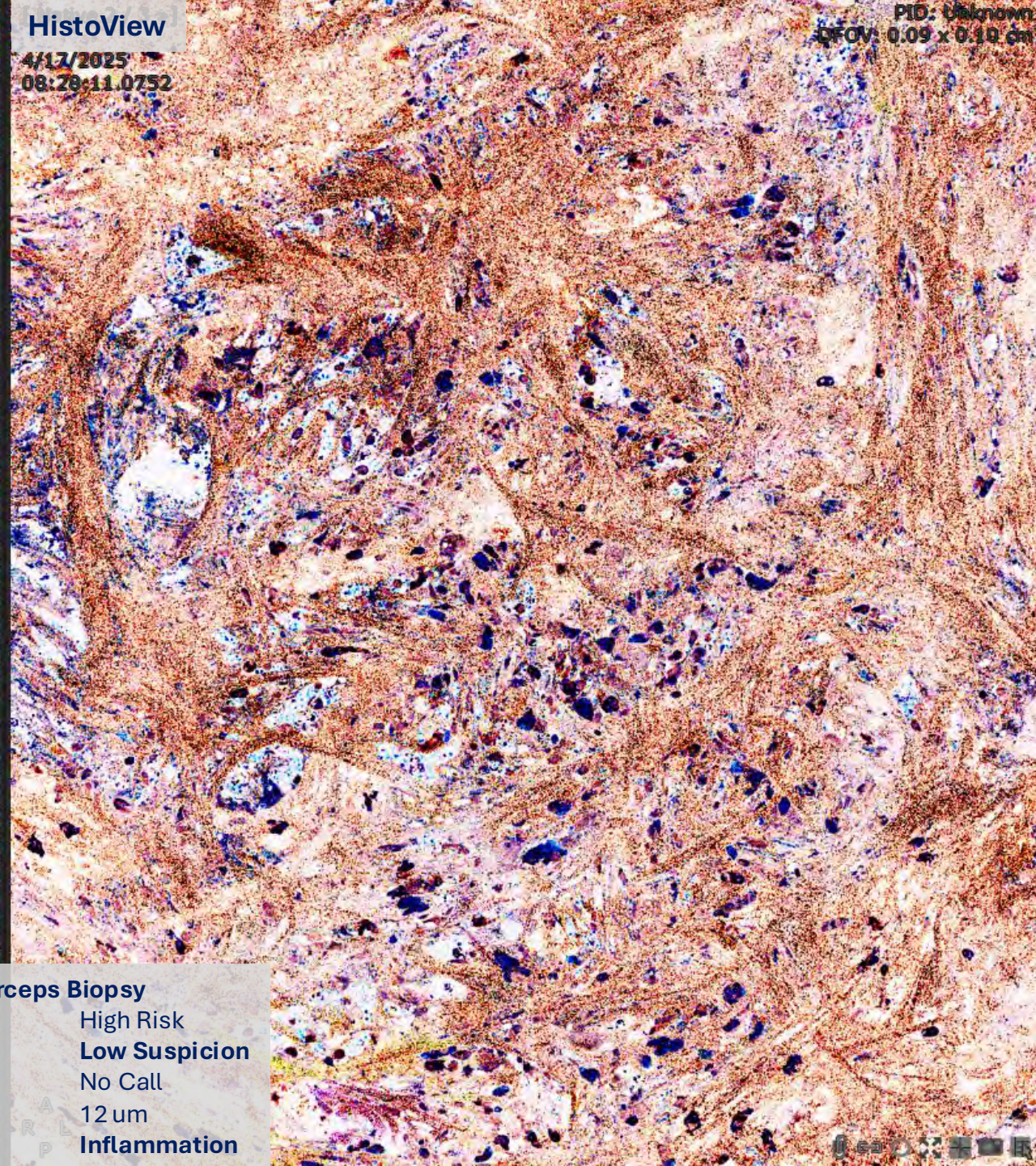
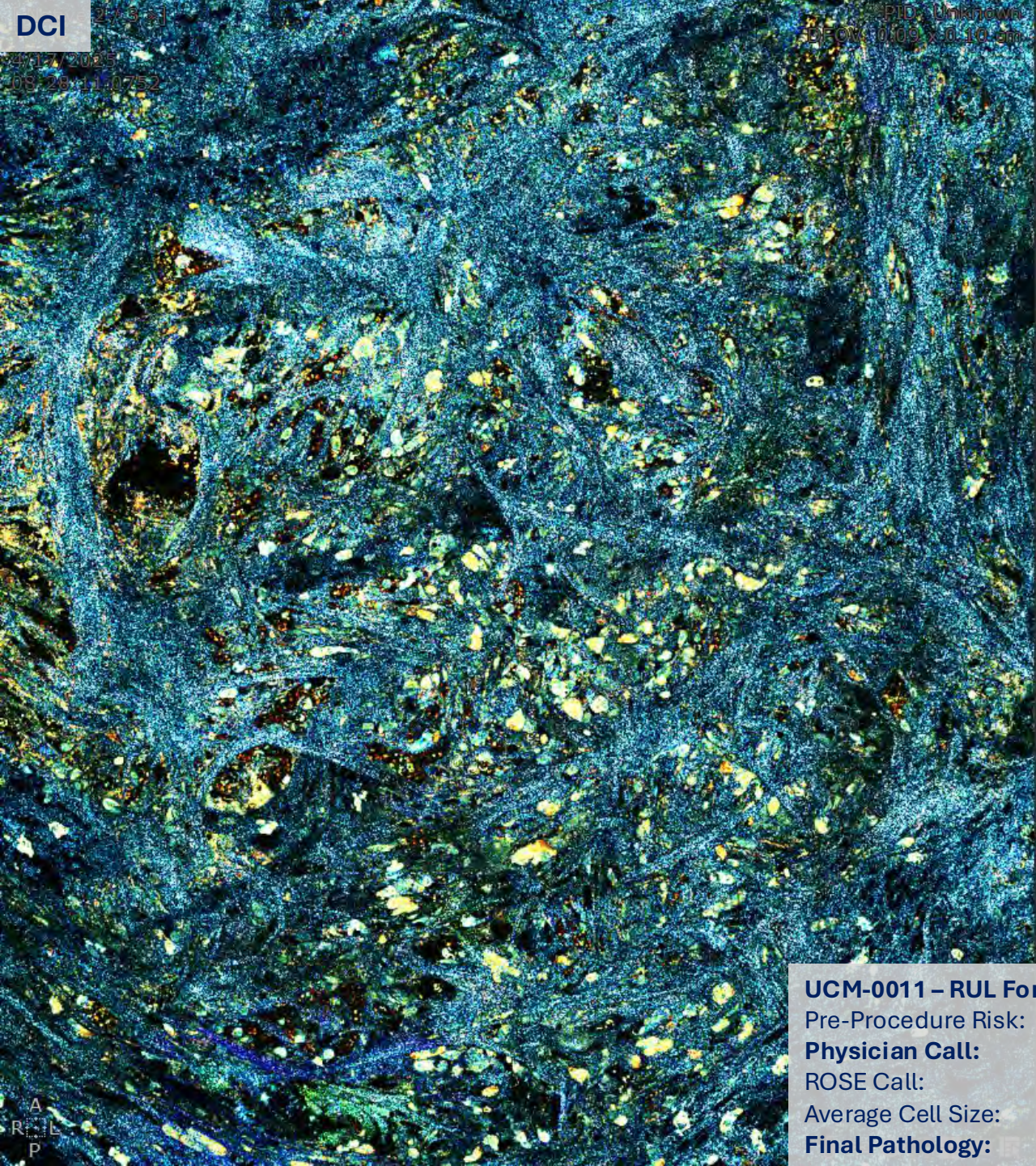
-

Final Pathology:**Benign Lymphoid**

Van Gogh™

Microscopy System

INFLAMMATORY

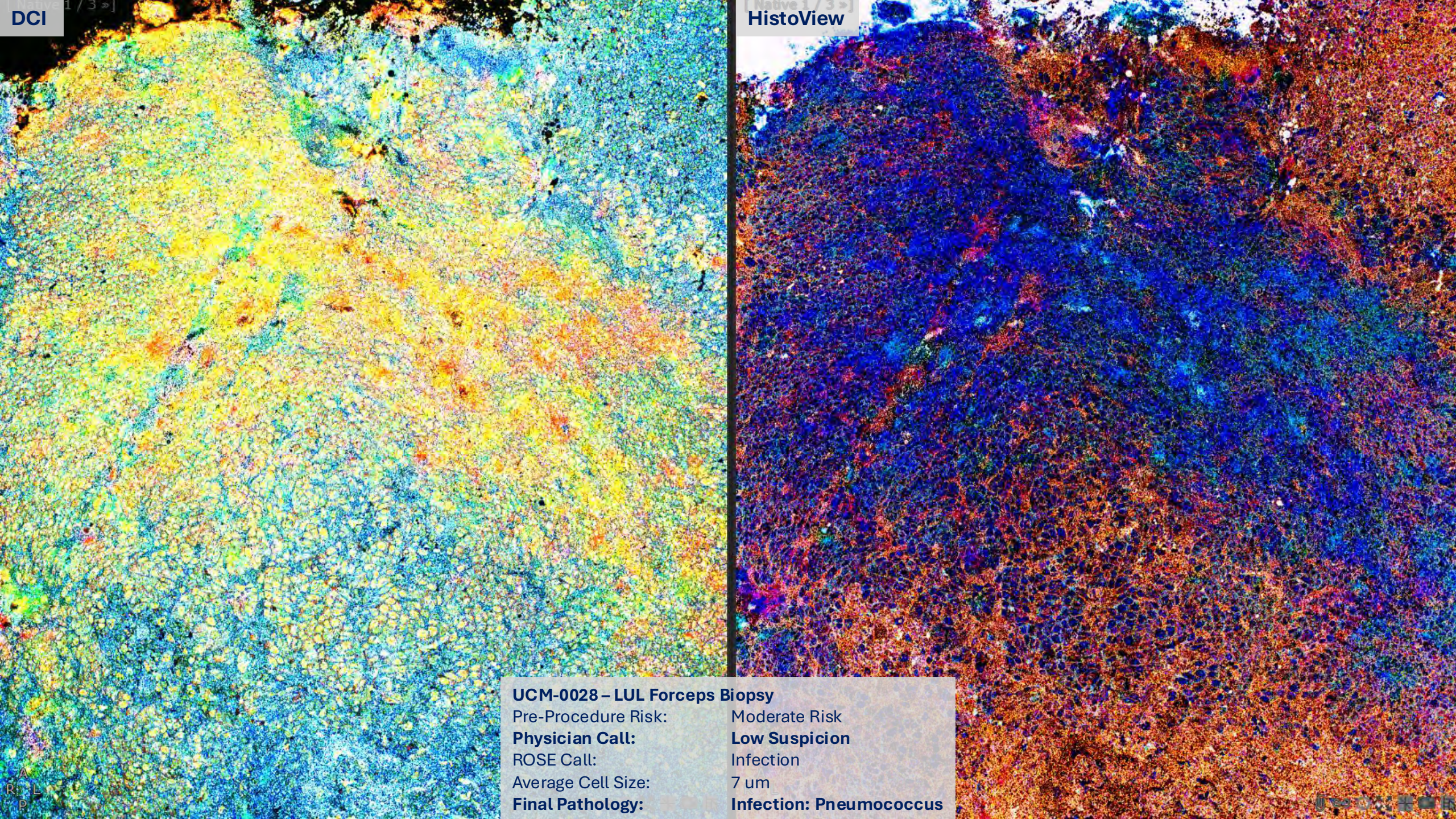


UCM-0011 – RUL Forceps Biopsy
Pre-Procedure Risk: High Risk
Physician Call: Low Suspicion
ROSE Call: No Call
Average Cell Size: 12 um
Final Pathology: Inflammation

Van Gogh™

Microscopy System

INFECTION

**UCM-0028 – LUL Forceps Biopsy**

Pre-Procedure Risk:

Moderate Risk

Physician Call:**Low Suspicion**

ROSE Call:

Infection

Average Cell Size:

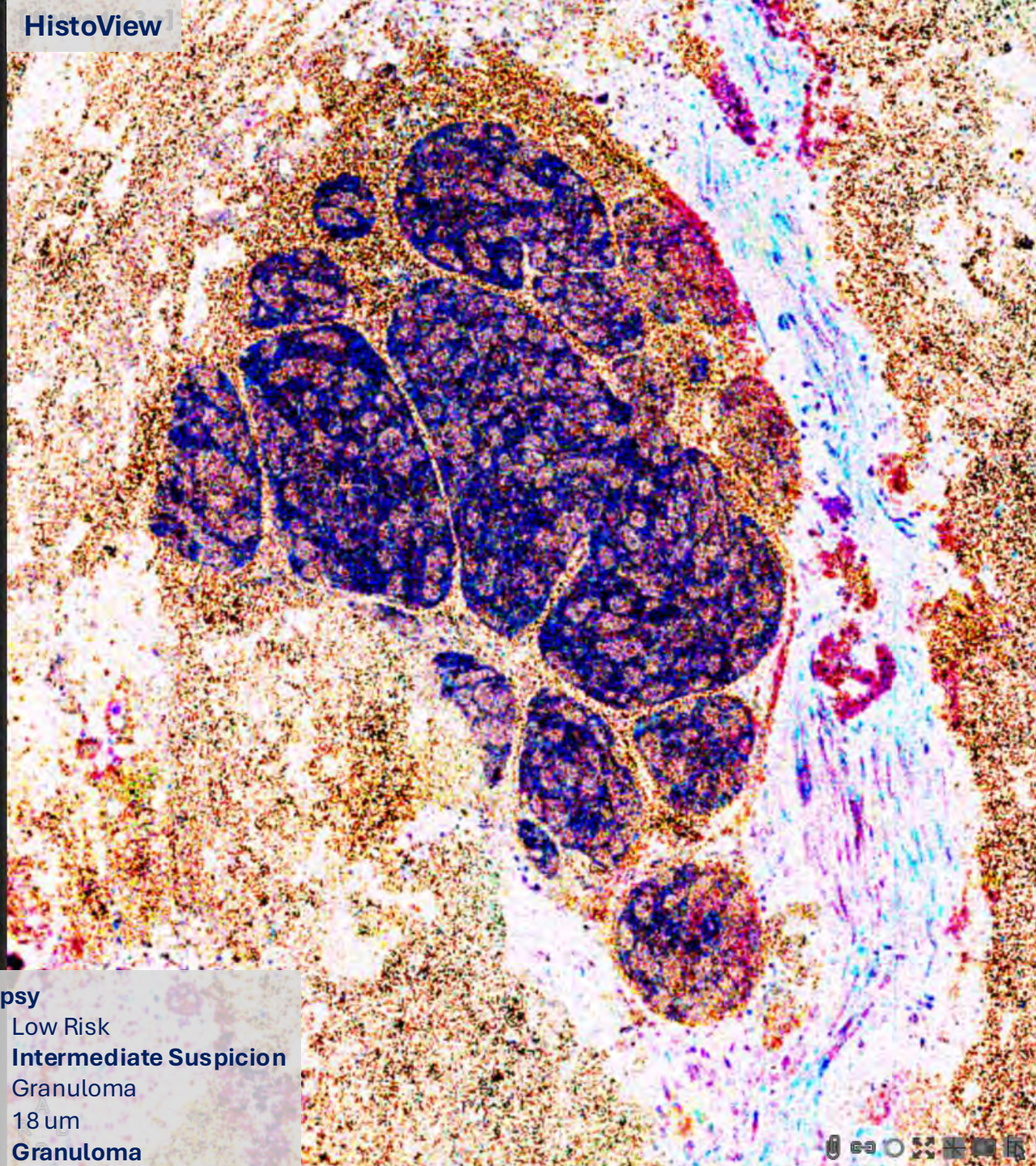
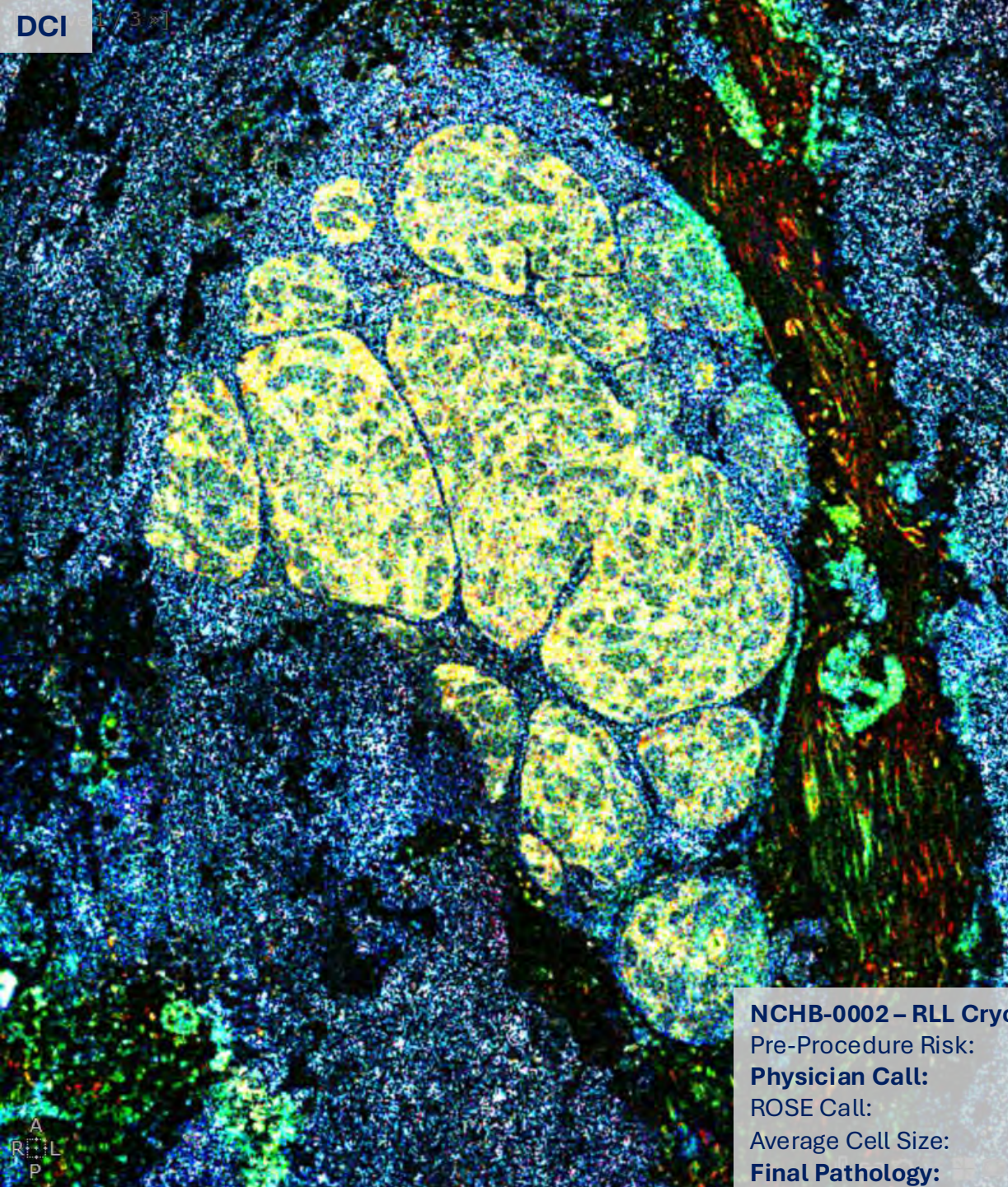
7 um

Final Pathology:**Infection: Pneumococcus**

Van Gogh™

Microscopy System

GRANULOMA



NCHB-0002 – RLL Cryobiopsy

Pre-Procedure Risk:

Low Risk

Physician Call:

Intermediate Suspicion

ROSE Call:

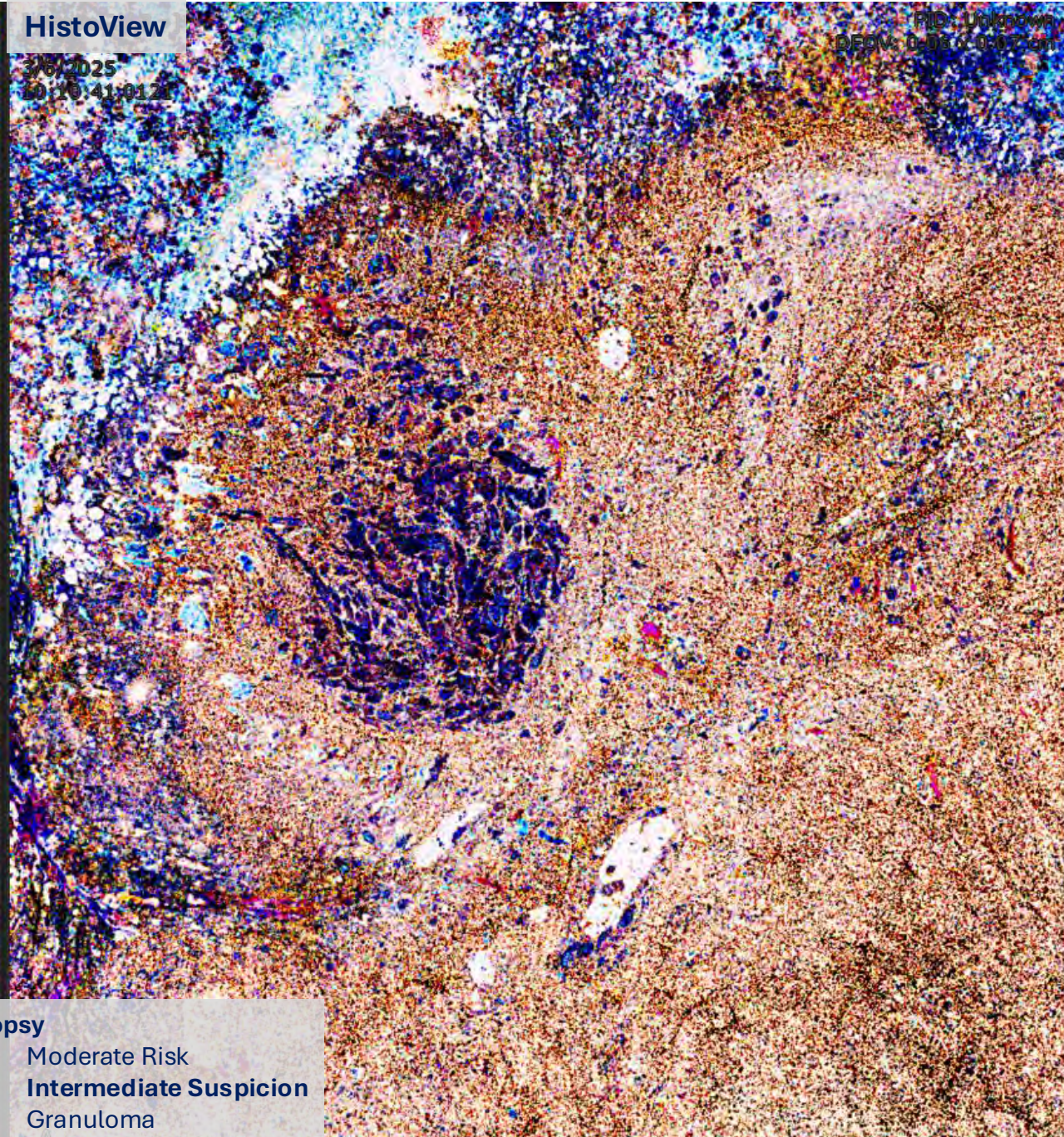
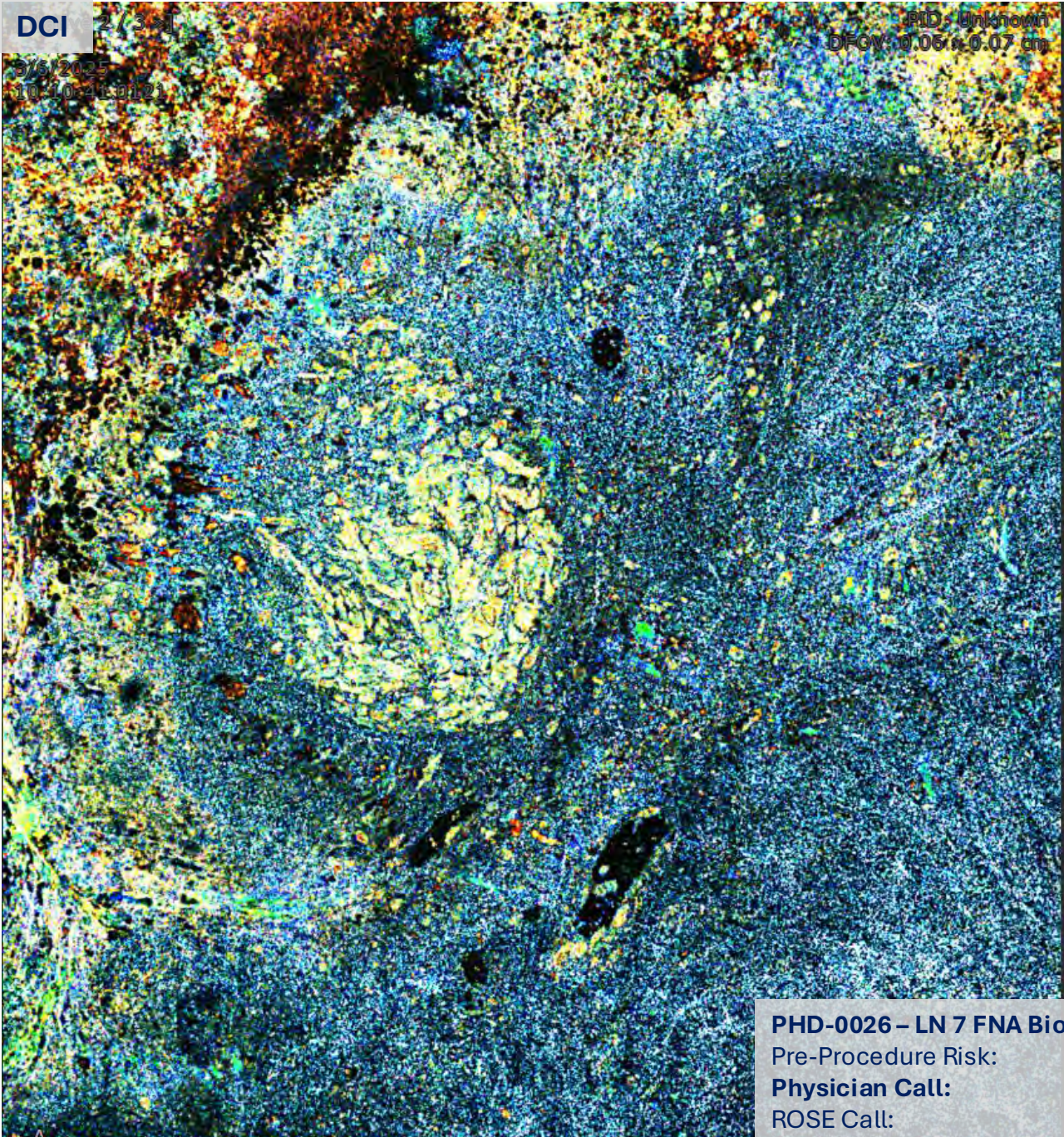
Granuloma

Average Cell Size:

18 um

Final Pathology:

Granuloma



PHD-0026 – LN 7 FNA Biopsy

Pre-Procedure Risk:

Moderate Risk

Physician Call:

Intermediate Suspicion

ROSE Call:

Granuloma

Average Cell Size:

10 μ m

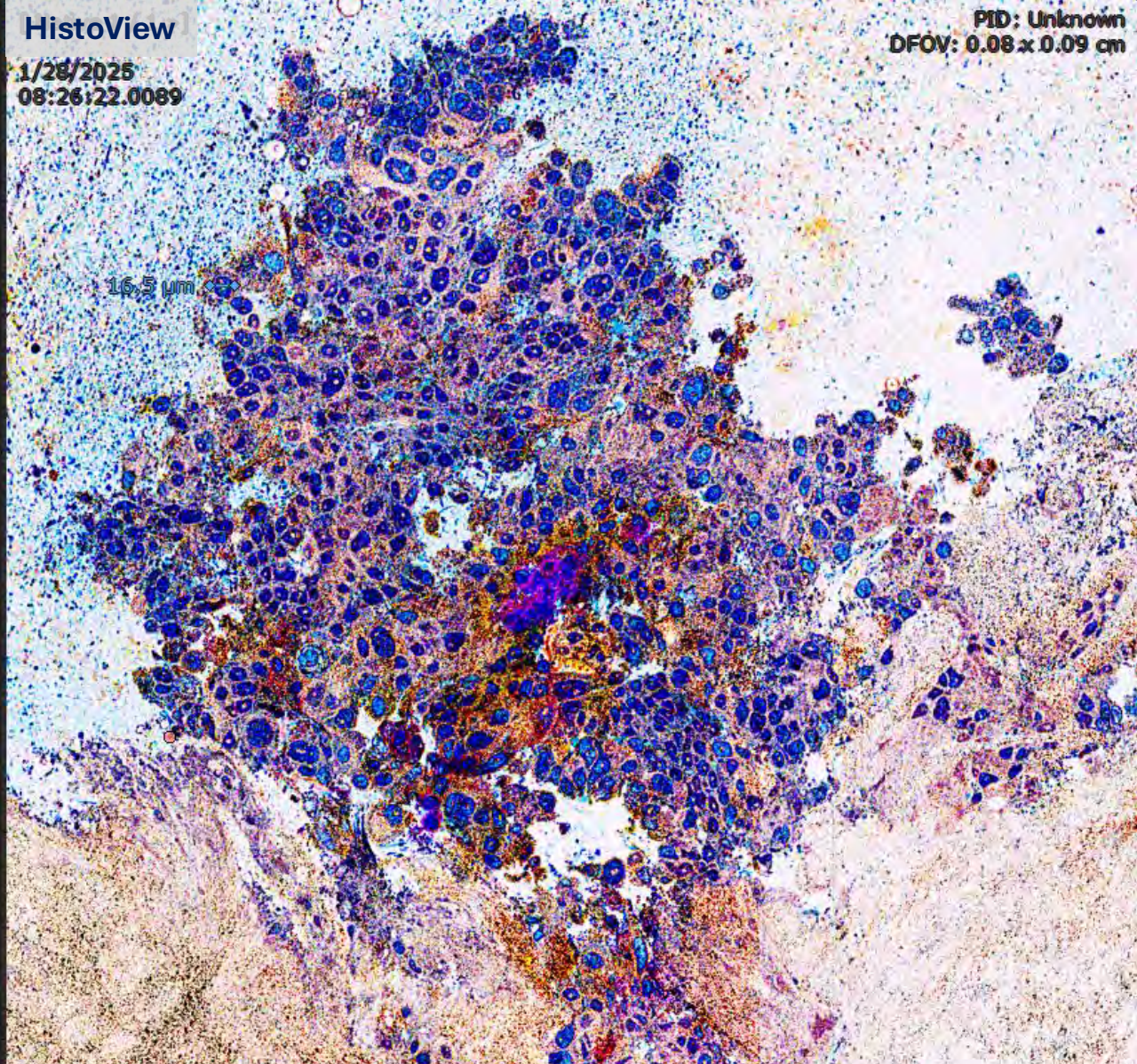
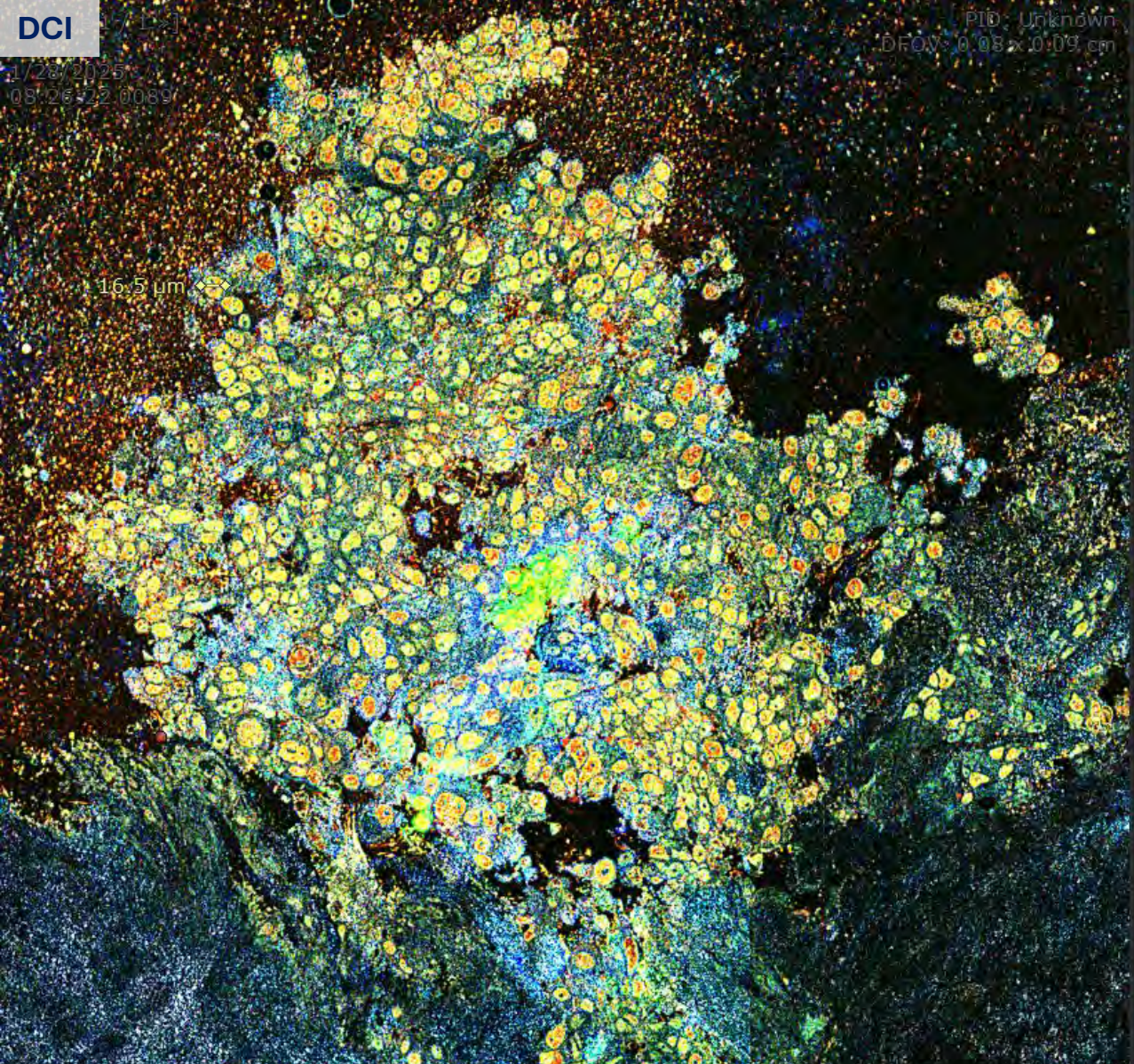
Final Pathology:

Granuloma

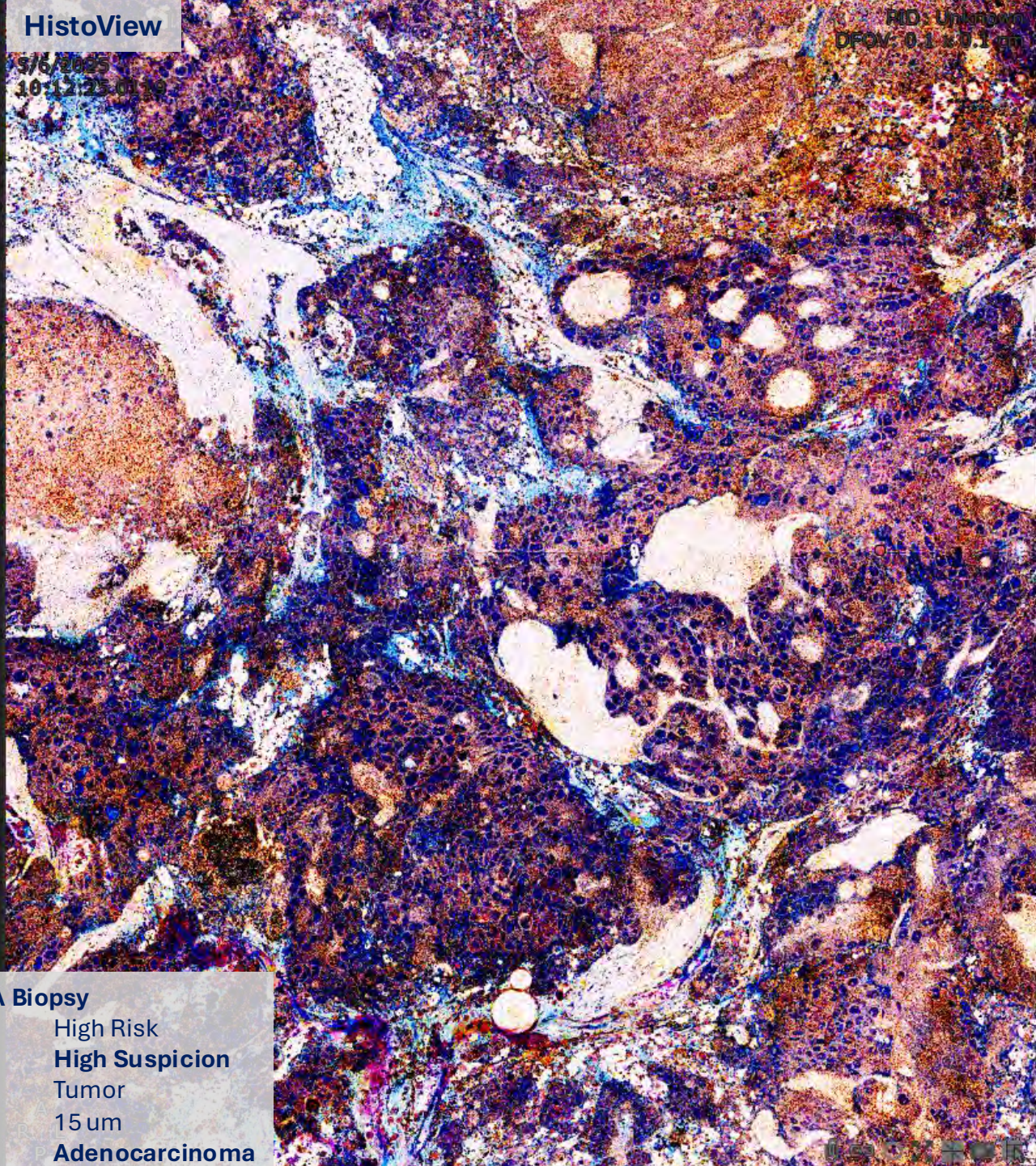
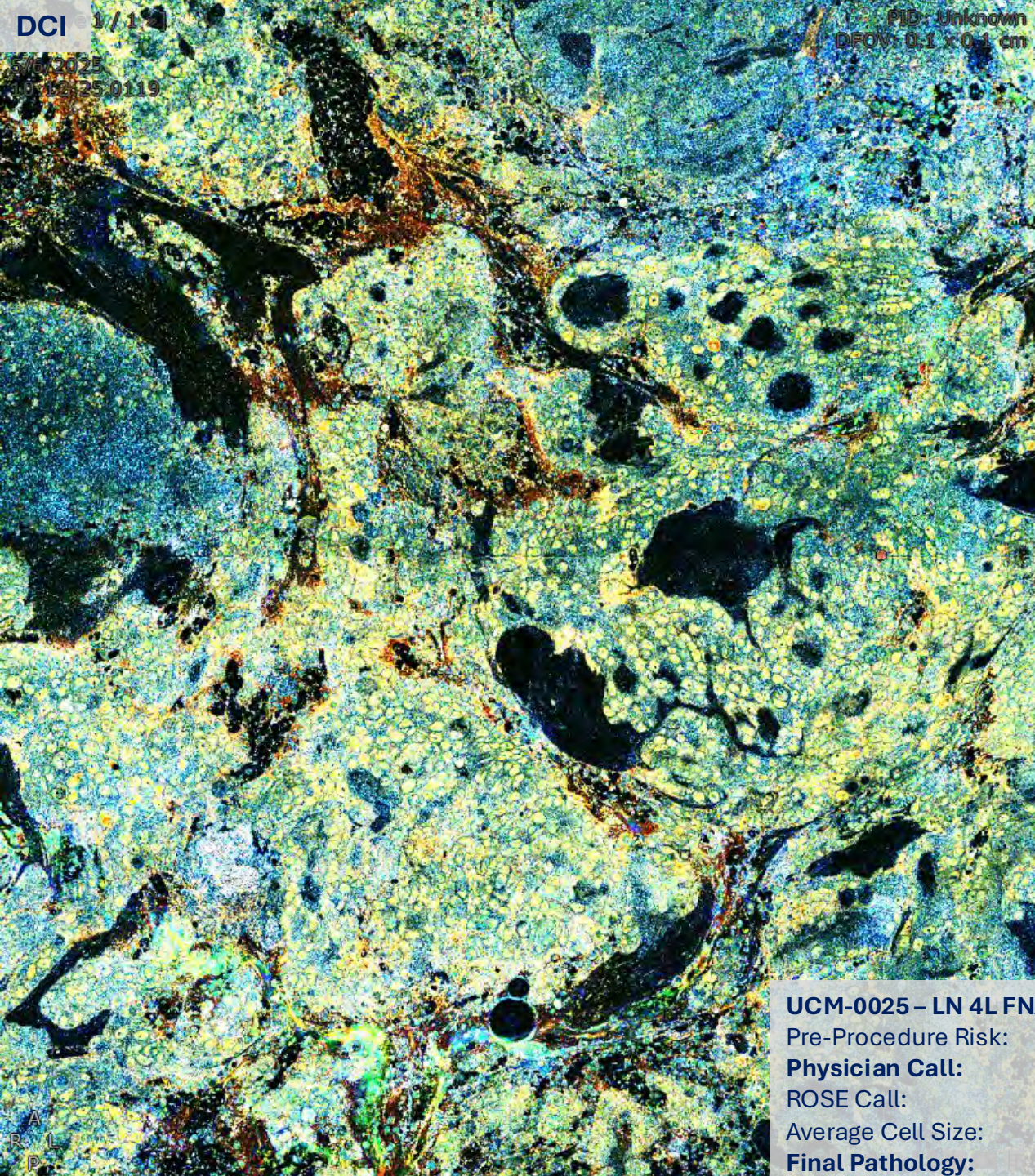
Van Gogh™

Microscopy System

ADENOCARCINOMA



MNMC-0001 – RML Forceps Biopsy
Pre-Procedure Risk: High Risk
Physician Call: High Suspicion
ROSE Call: Malignant
Average Cell Size: 15 μ m
Final Pathology: Adenocarcinoma



UCM-0025 - LN 4L FNA Biopsy

Pre-Procedure Risk:

High Risk

Physician Call:

High Suspicion

ROSE Call:

Tumor

Average Cell Size:

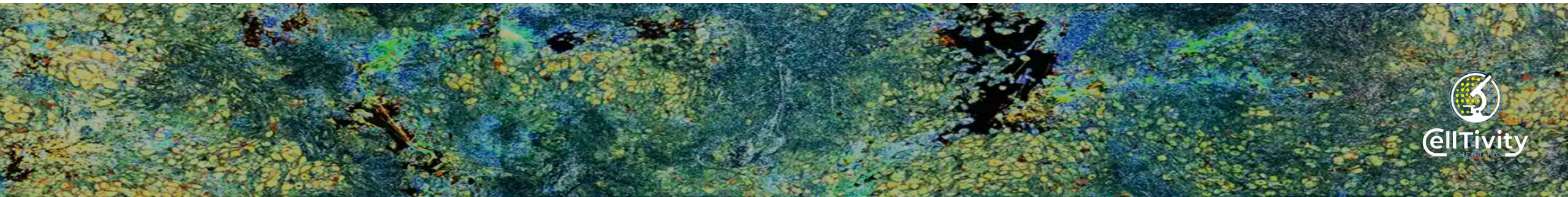
15 um

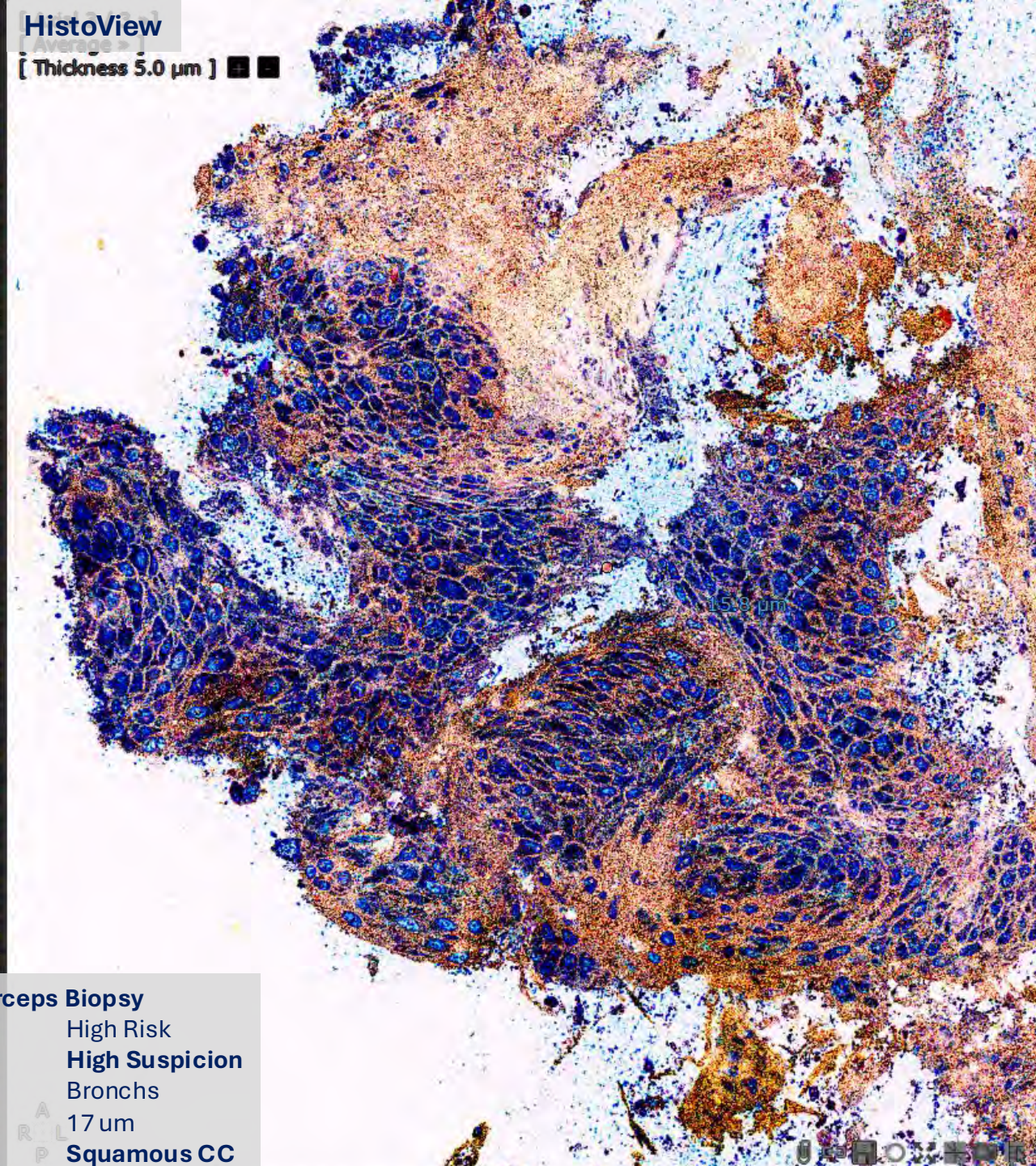
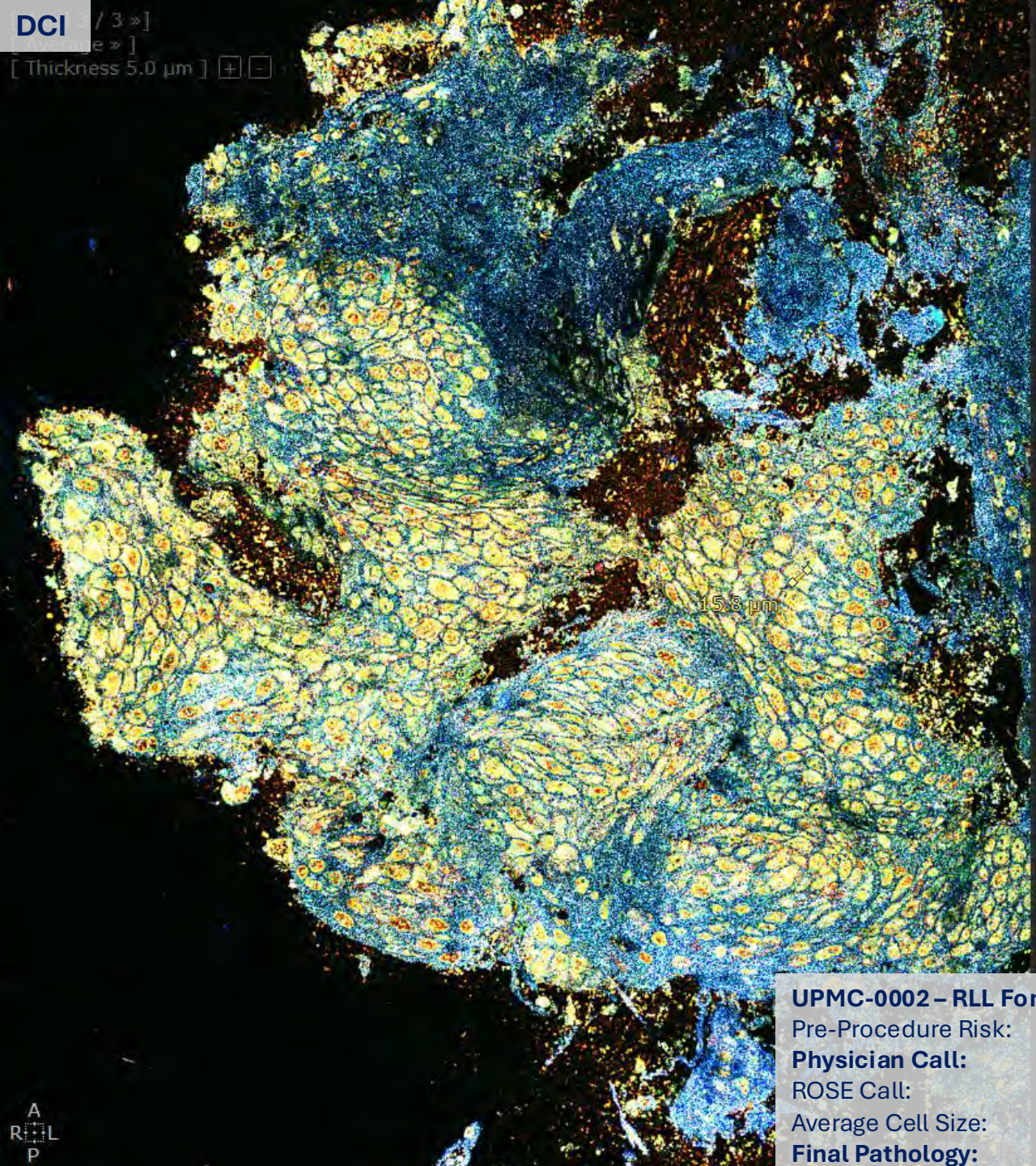
Final Pathology:

Adenocarcinoma

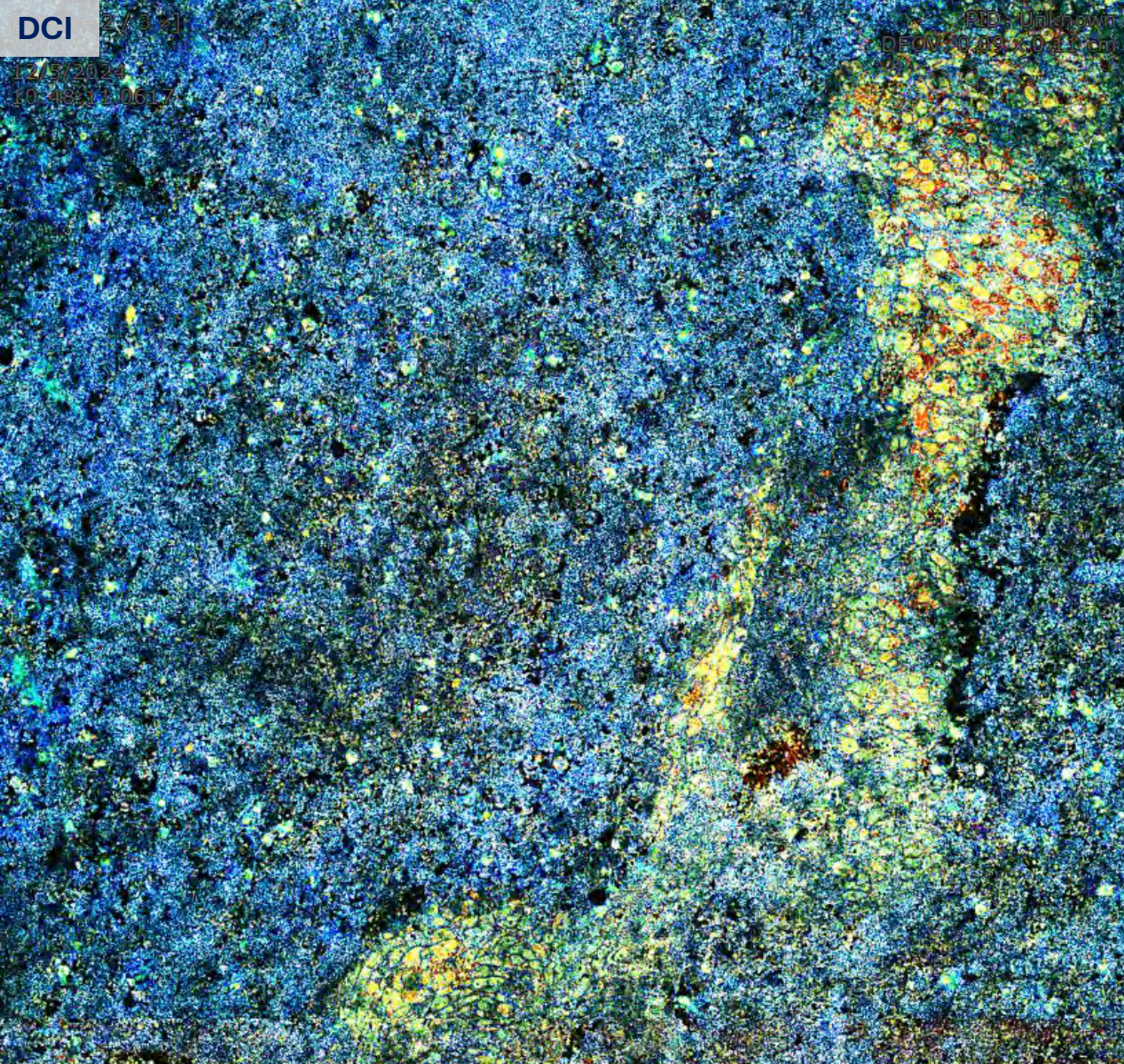


SQUAMOUS CELL CARCINOMA





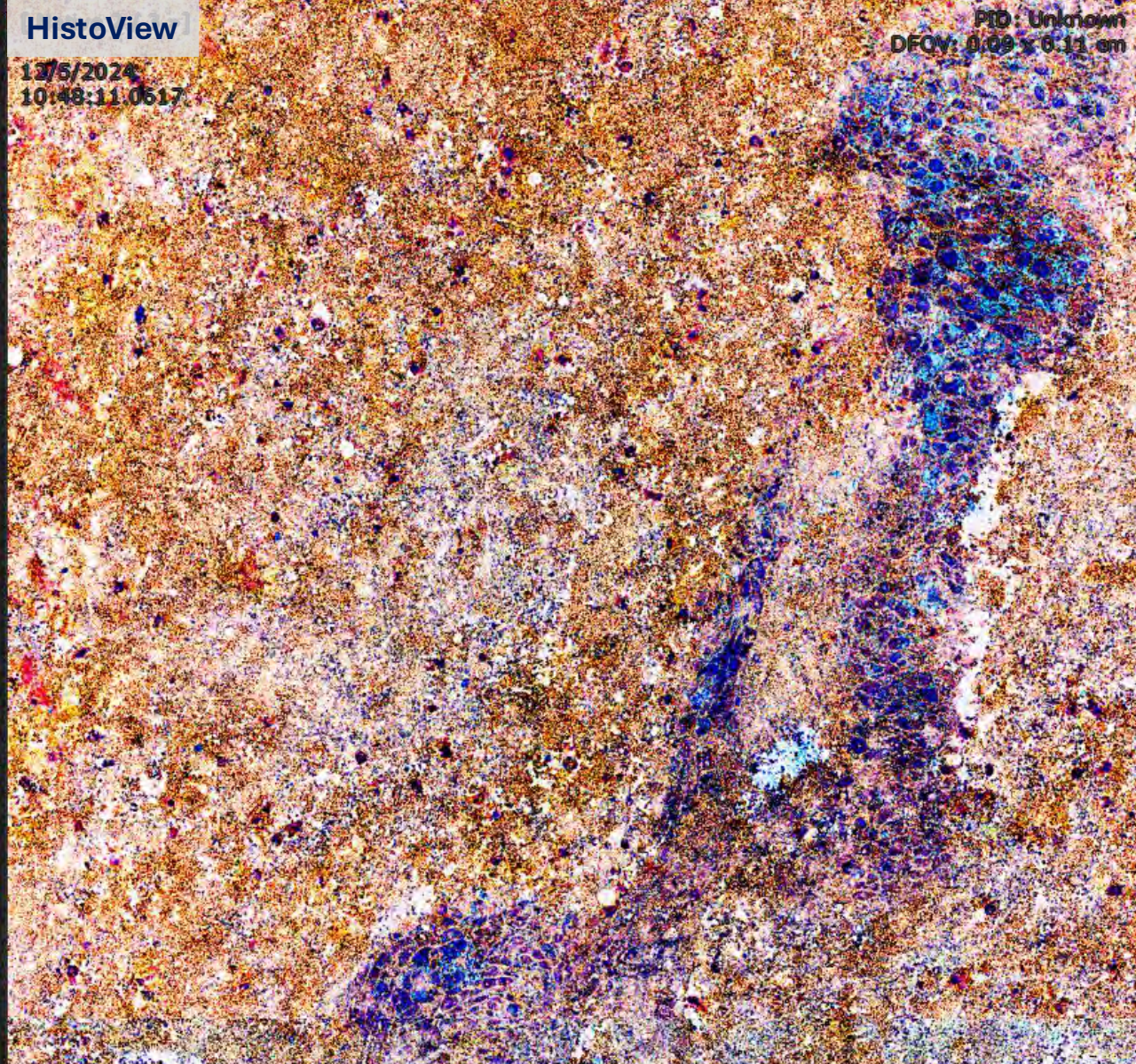
UPMC-0002 – RLL Forceps Biopsy
Pre-Procedure Risk: High Risk
Physician Call: High Suspicion
ROSE Call: Bronchs
Average Cell Size: 17 µm
Final Pathology: Squamous CC



DCI

12/5/2024
10:48:11.0617

PID: Unknown
DFOV: 0.09 x 0.11 cm



HistoView

12/5/2024
10:48:11.0617

PID: Unknown
DFOV: 0.09 x 0.11 cm

PHD-0004 – LN 11R FNA Biopsy
Pre-Procedure Risk: High Risk
Physician Call: High Suspicion
ROSE Call: NSCLC
Average Cell Size: 14 um
Final Pathology: Squamous CC

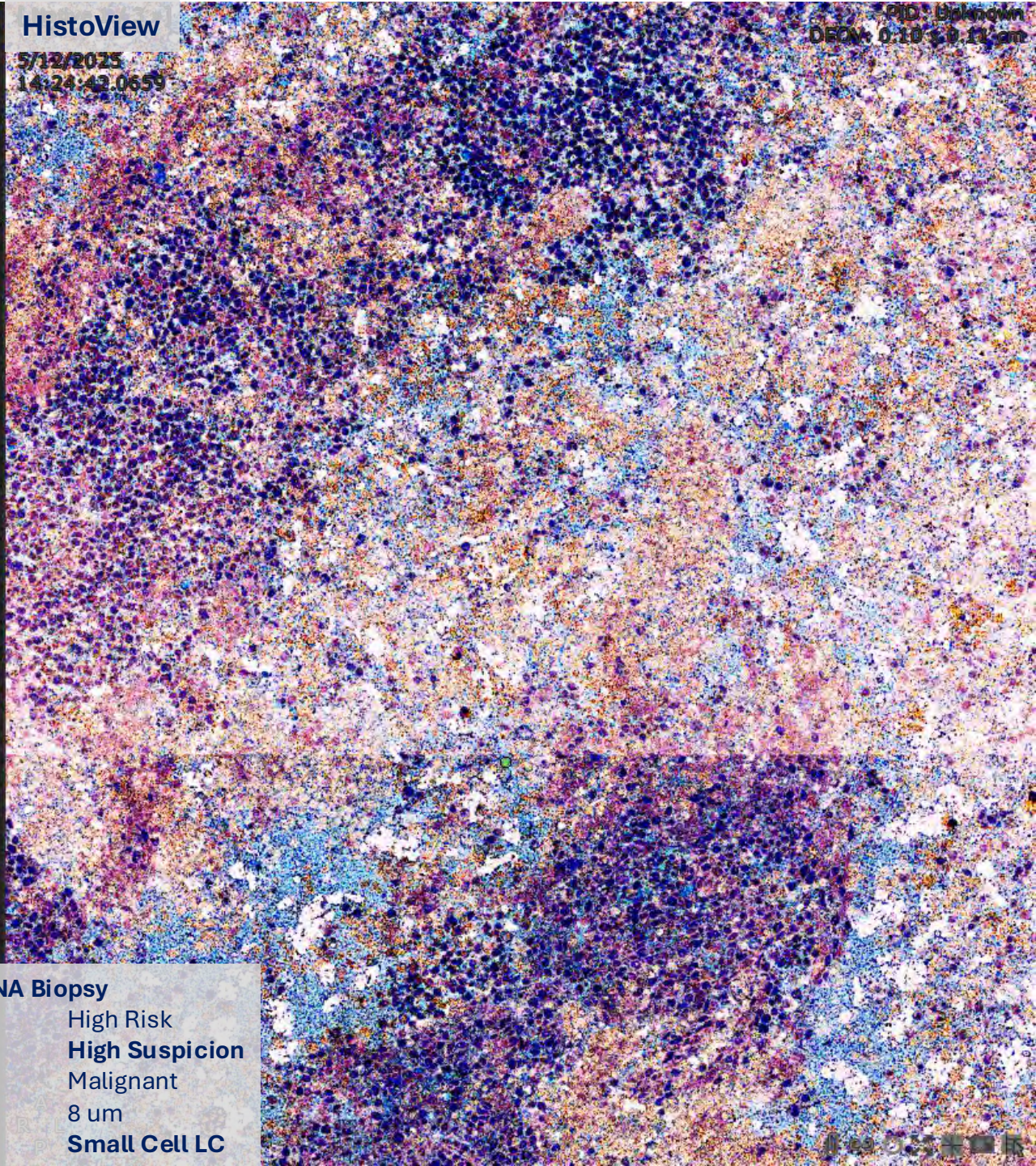
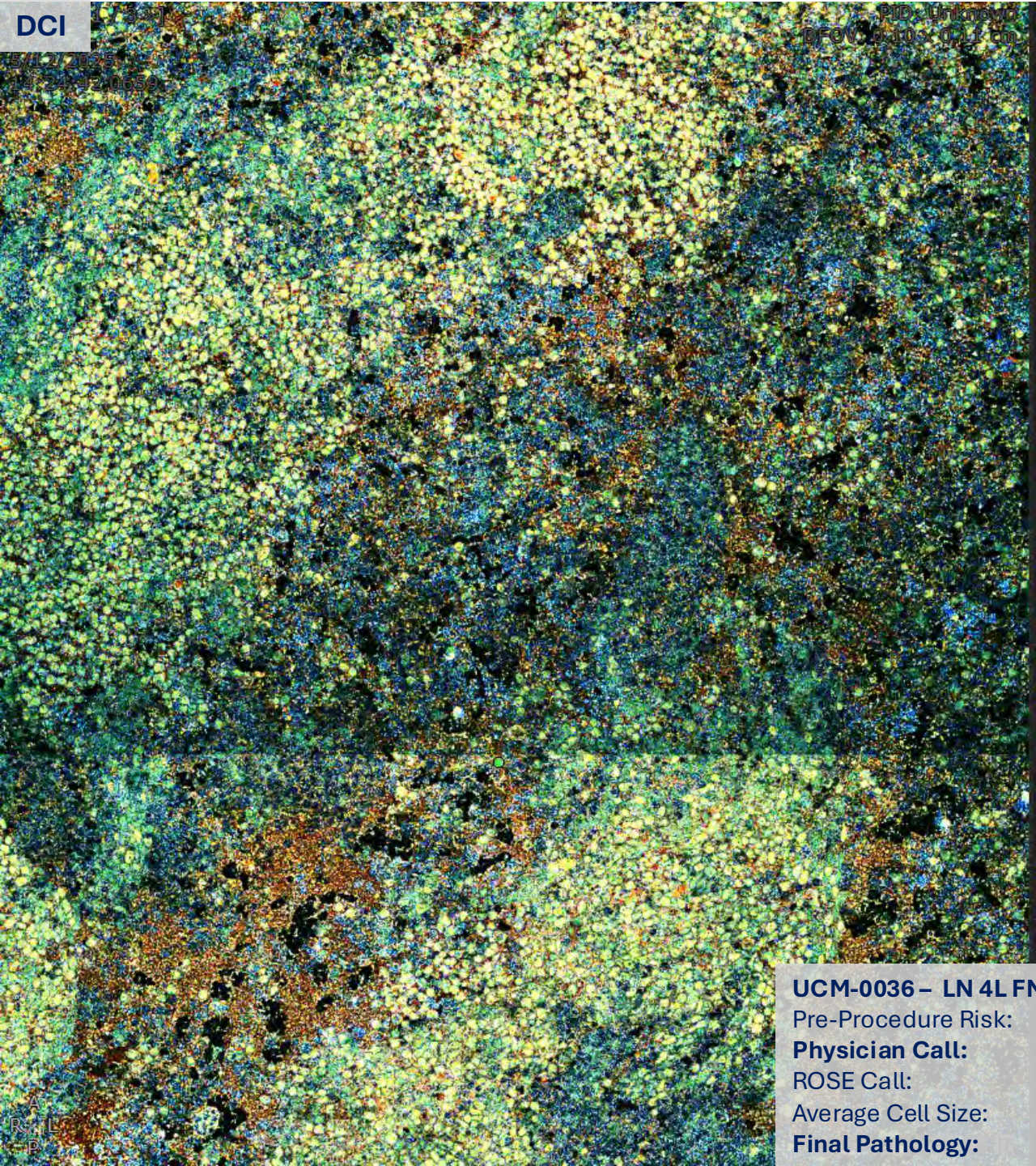
A
R
L
P



Van Gogh™

Microscopy System

SMALL CELL LUNG CANCER



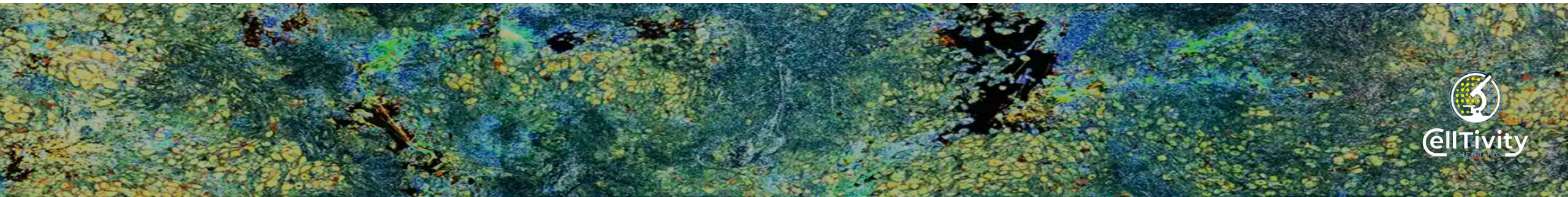
UCM-0036 – LN 4L FNA Biopsy

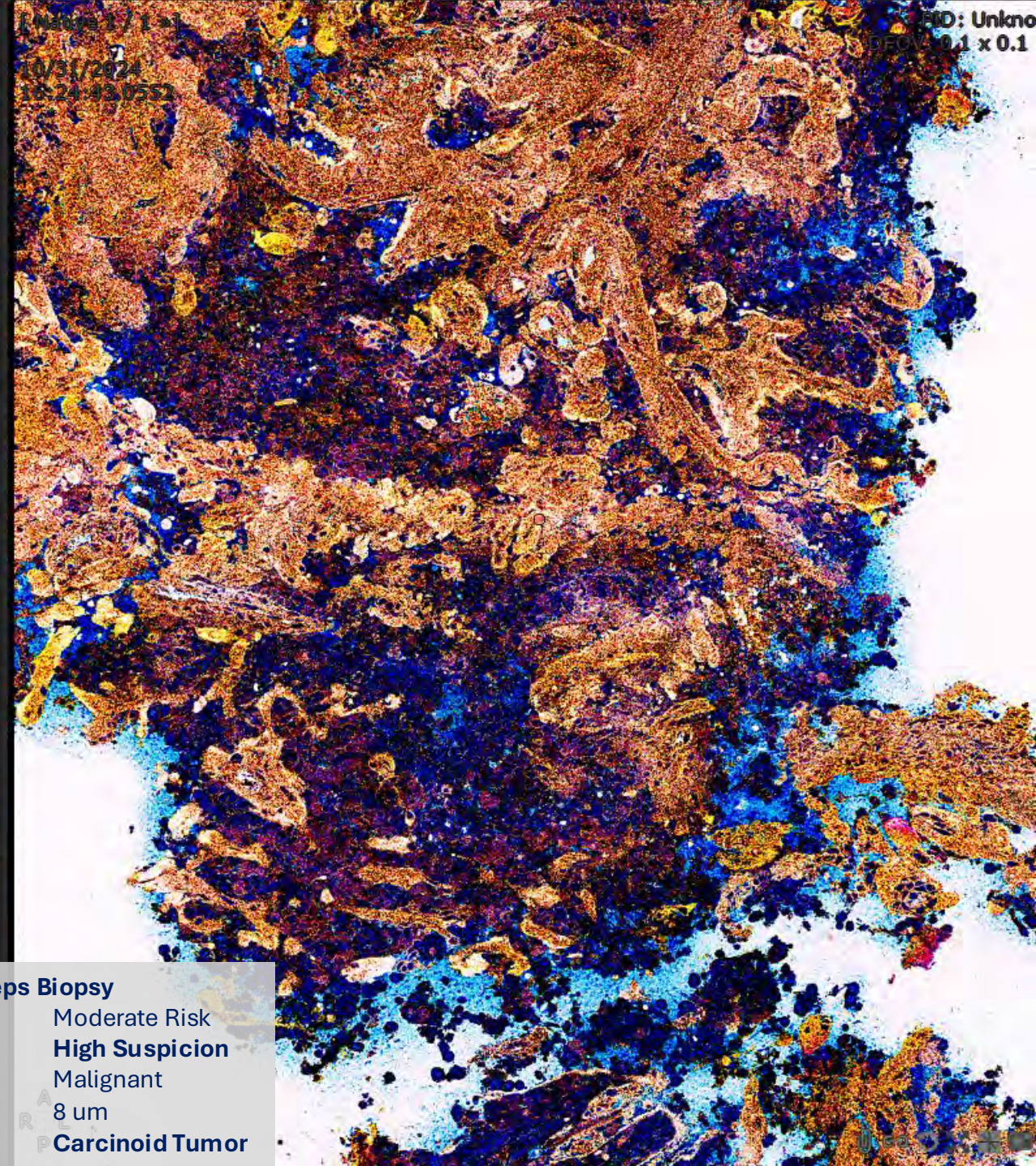
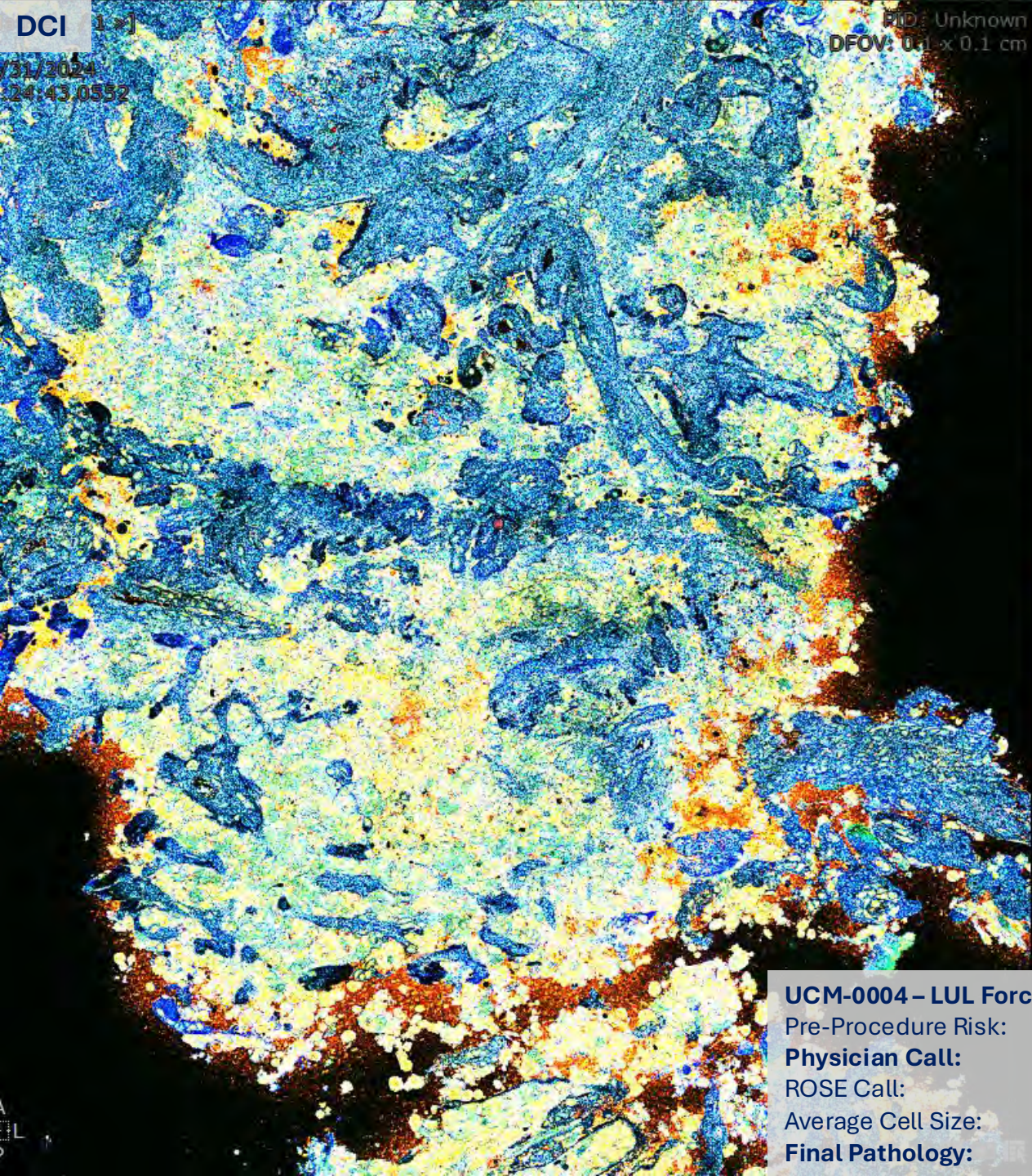
Pre-Procedure Risk:	High Risk
Physician Call:	High Suspicion
ROSE Call:	Malignant
Average Cell Size:	8 um
Final Pathology:	Small Cell LC

Van Gogh™

Microscopy System

CARCINOID TUMOR





UCM-0004 – LUL Forceps Biopsy
Pre-Procedure Risk: Moderate Risk
Physician Call: High Suspicion
ROSE Call: Malignant
Average Cell Size: 8 um
Final Pathology: Carcinoid Tumor

Van Gogh™

Microscopy System