

Van Gogh™

Microscopy System

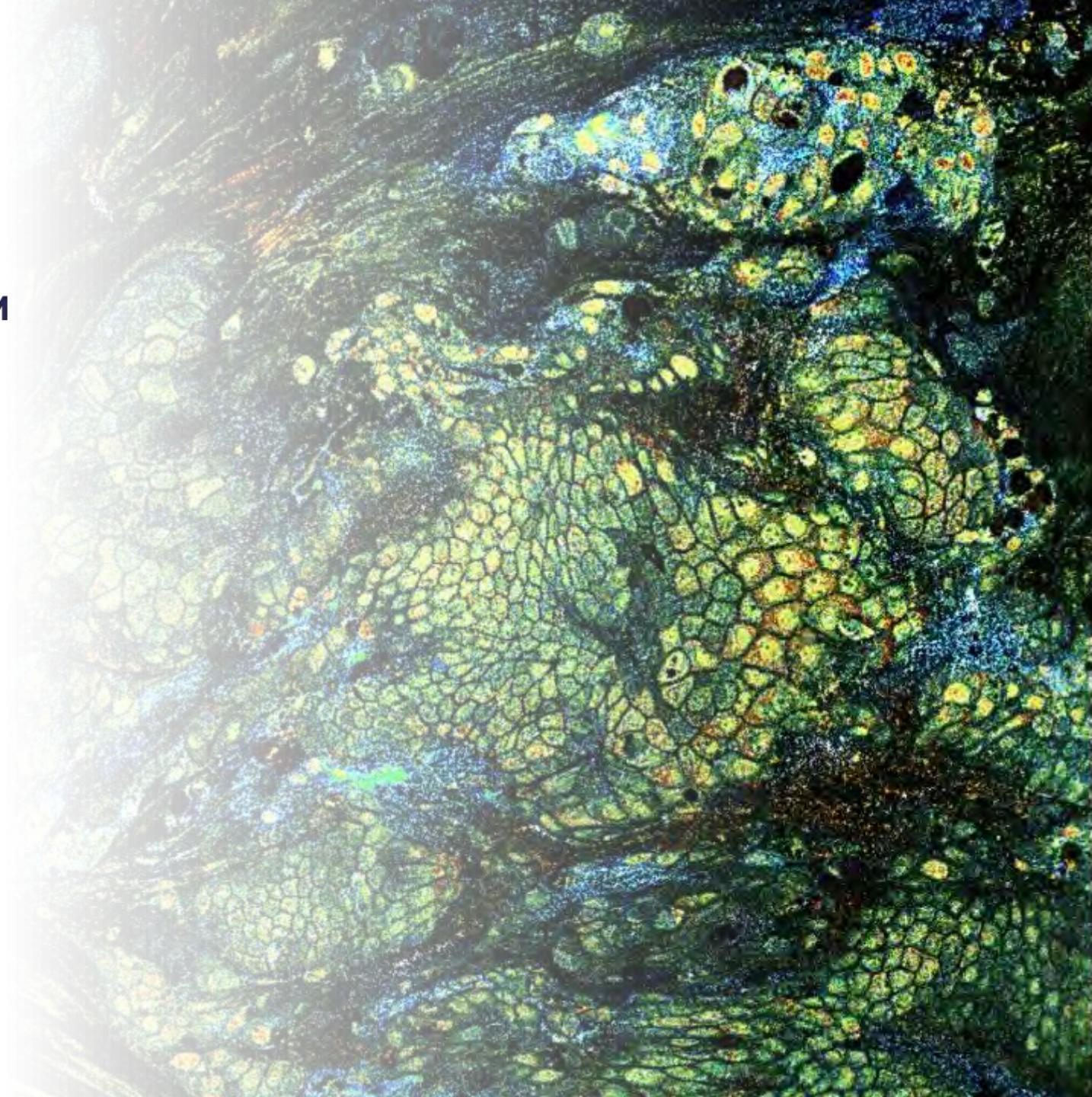
Educational Image Reference Guide



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MK0006 rev0



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.

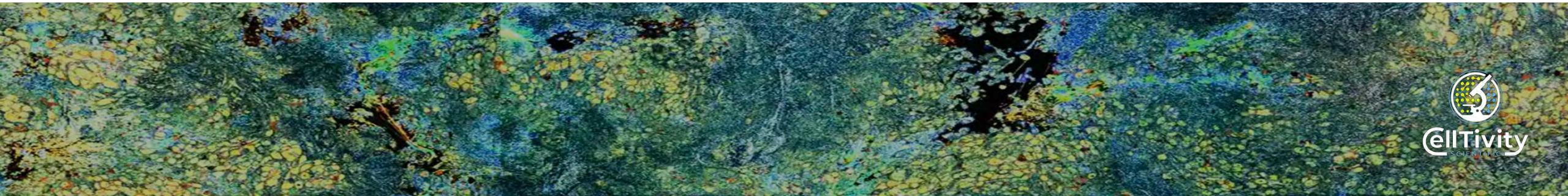
Clinical decisions must always be based on the totality of available medical information, including histopathology, molecular testing, and the judgment of qualified healthcare professionals.

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.

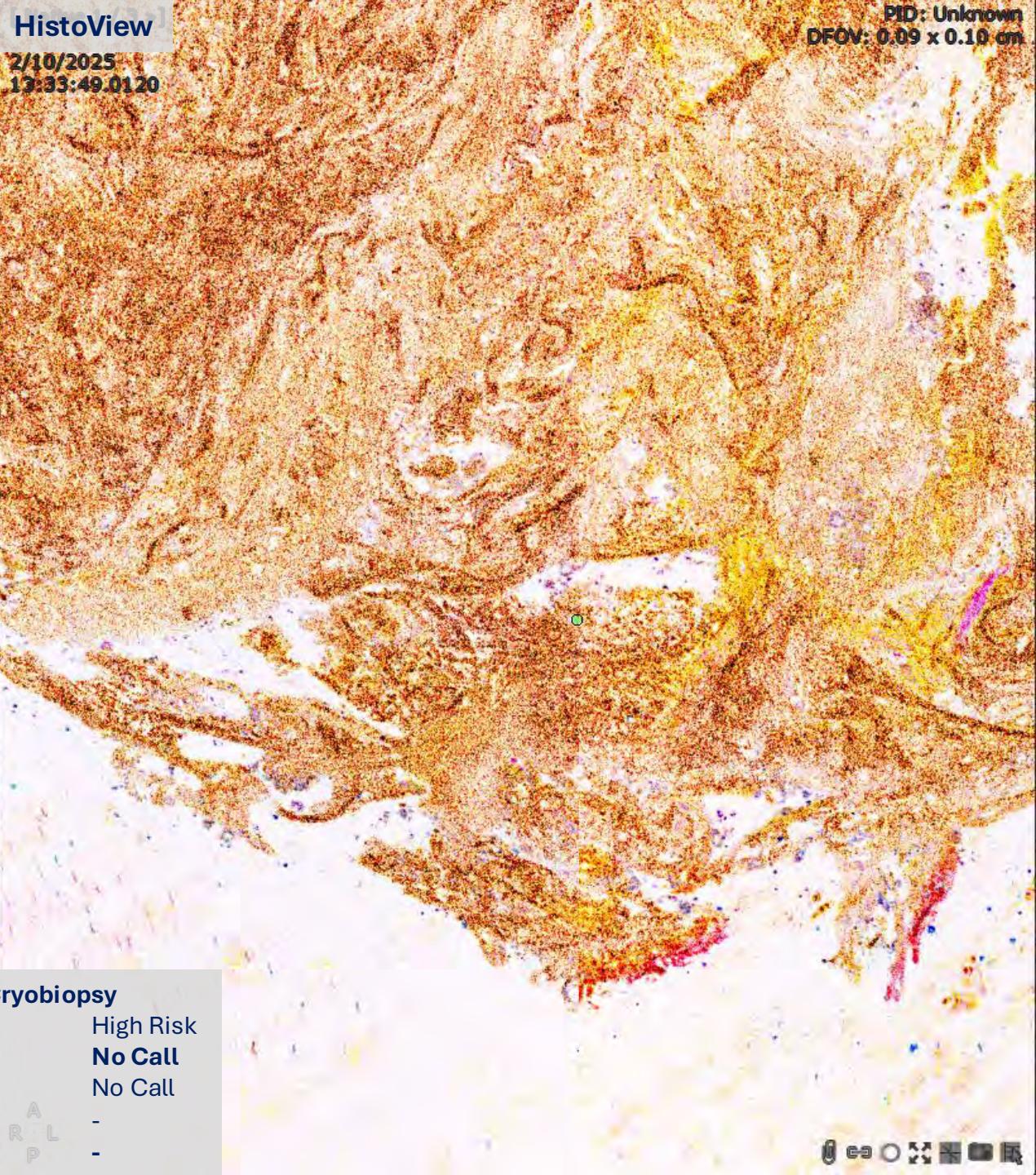
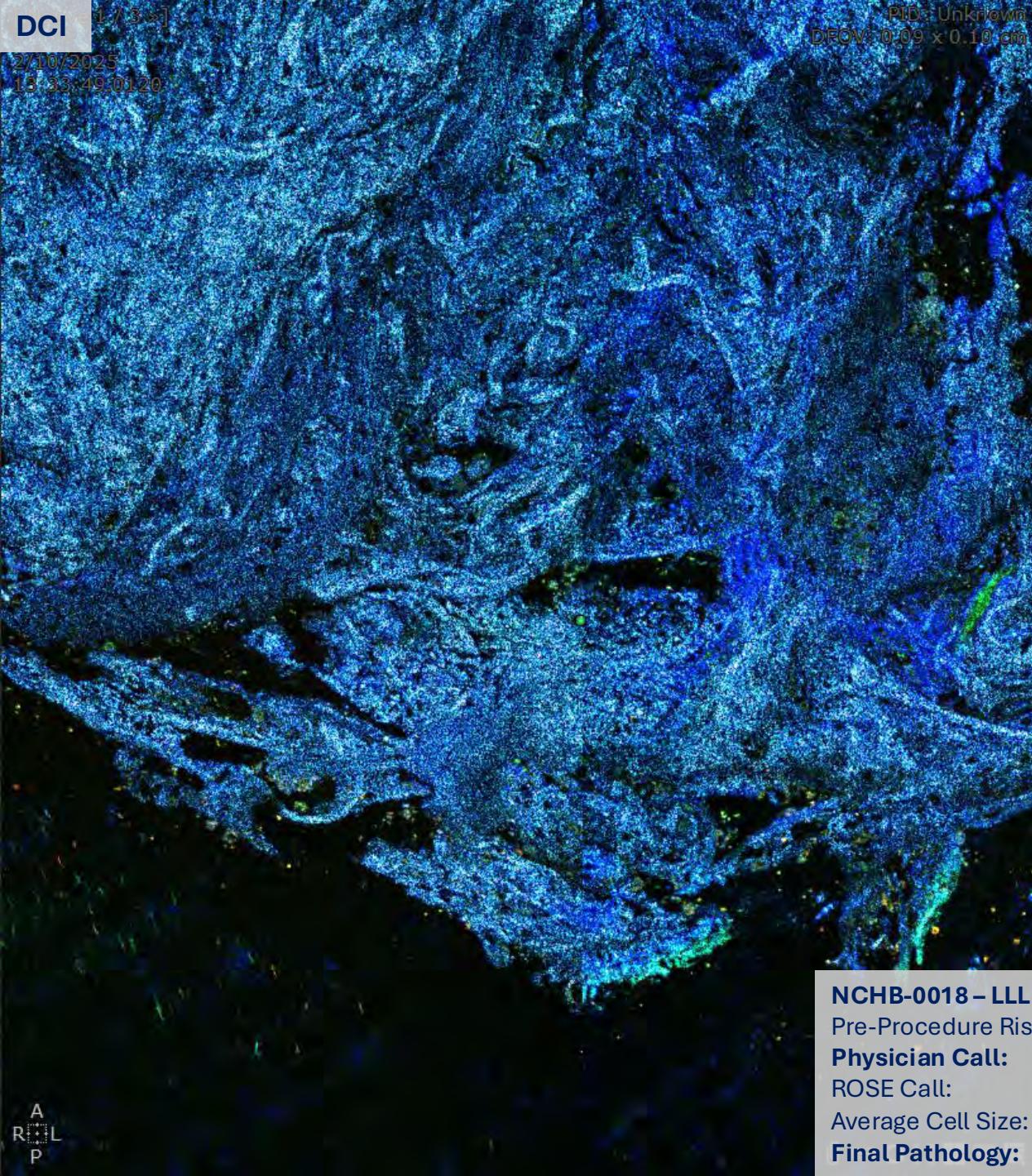
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Microscopy System

BENIGN



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**NCHB-0018 – LLL Cryobiopsy**

Pre-Procedure Risk:

High Risk

Physician Call:**No Call**

ROSE Call:

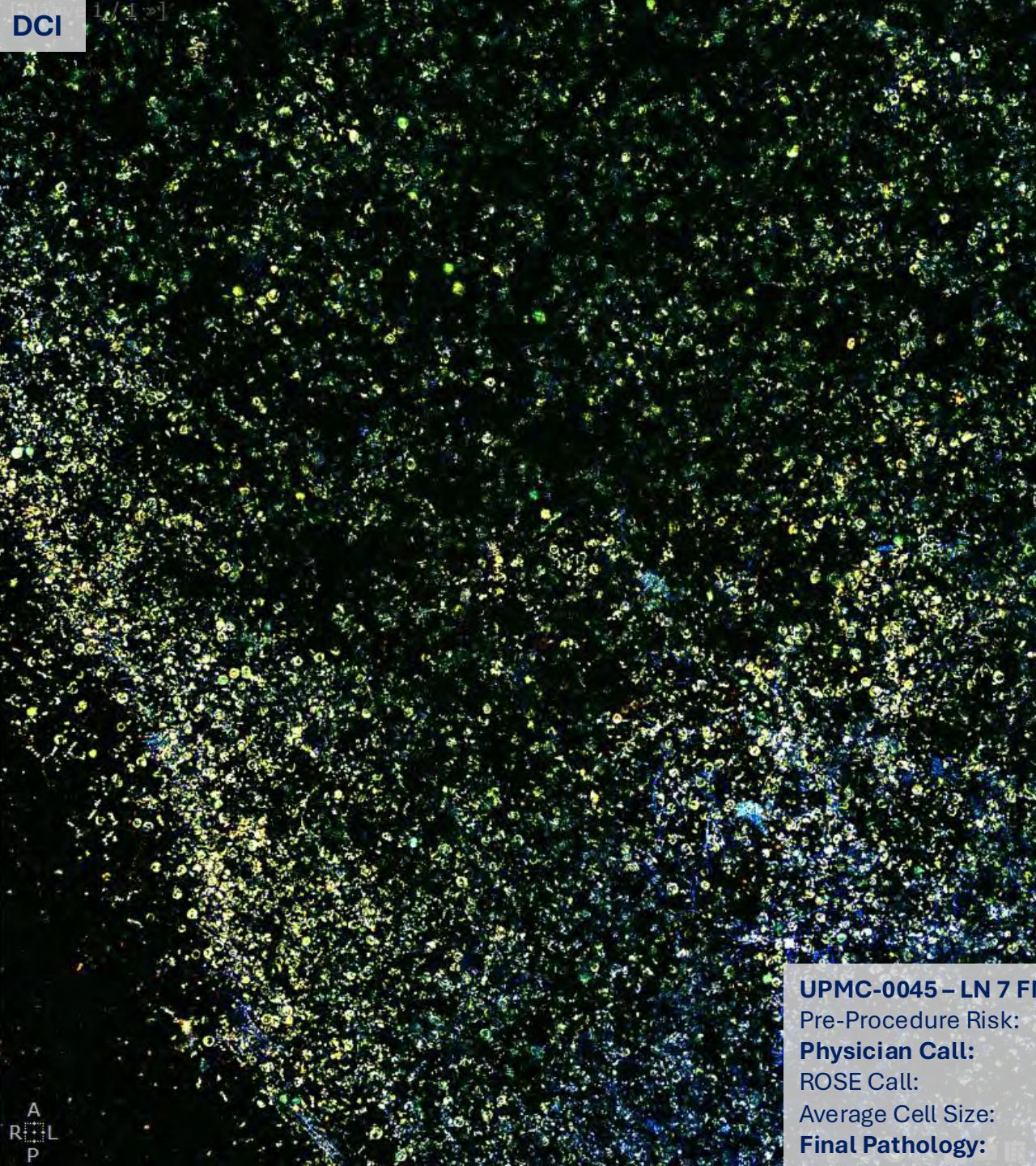
No Call

Average Cell Size:

-

Final Pathology:

-



HistoView

1/29/2025
11:58:18.0836

UPMC-0045 – LN 7 FNA Biopsy

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

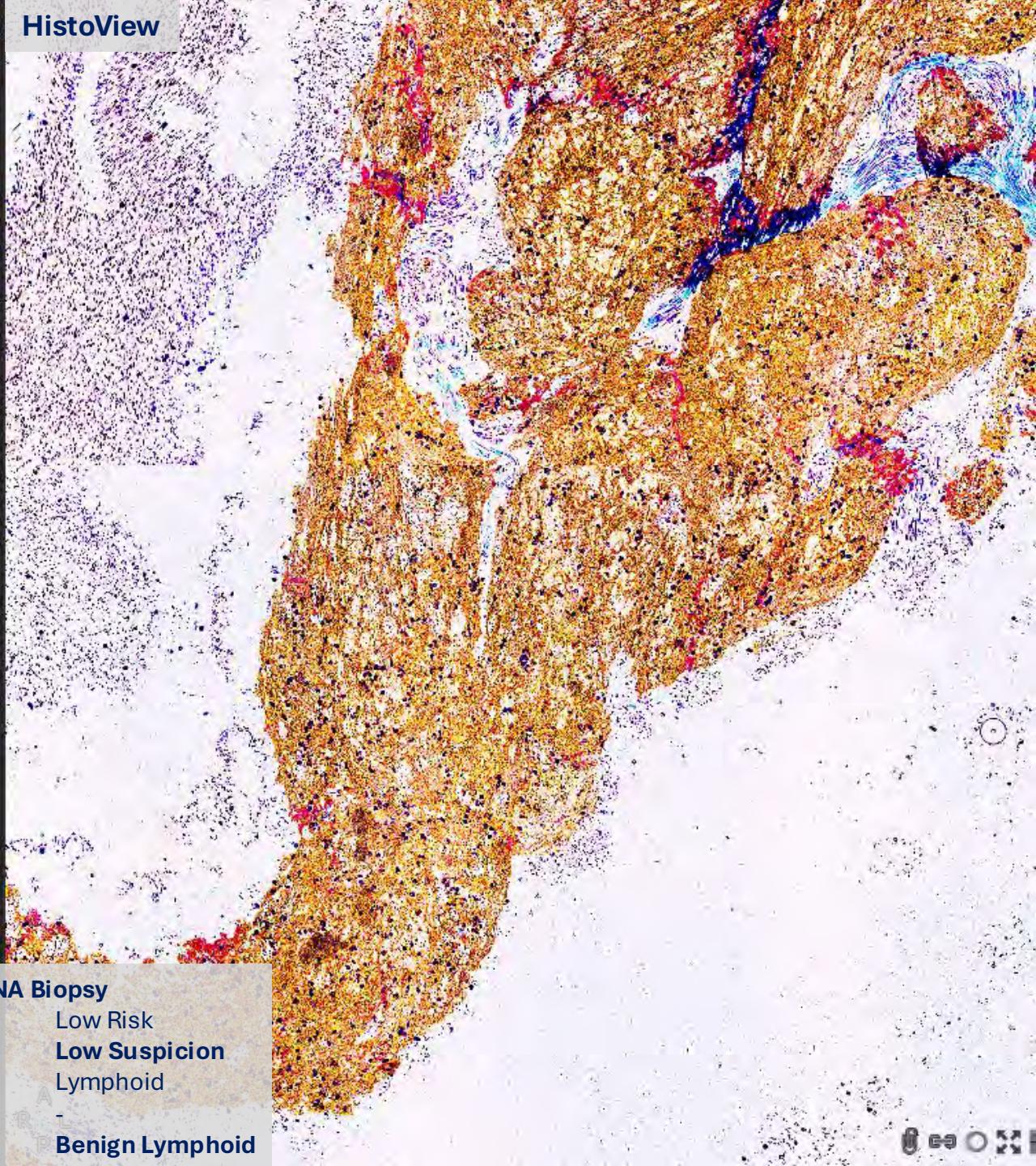
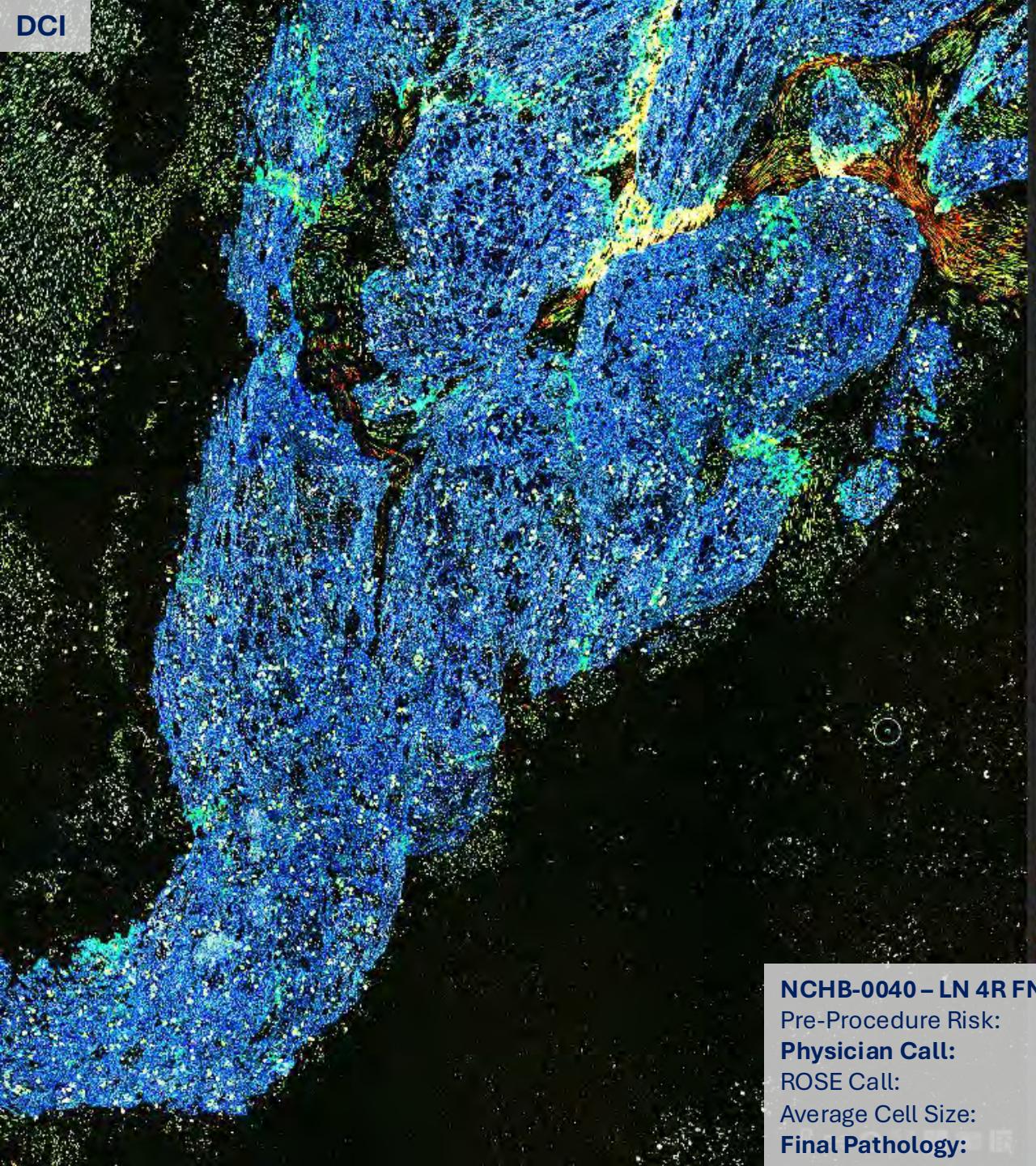
Final Pathology:

Moderate Risk

No Call

Blood

A
R
L
PA
R
L
P

**NCHB-0040 – LN 4R FNA Biopsy**

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

Low Risk

Low Suspicion

Lymphoid

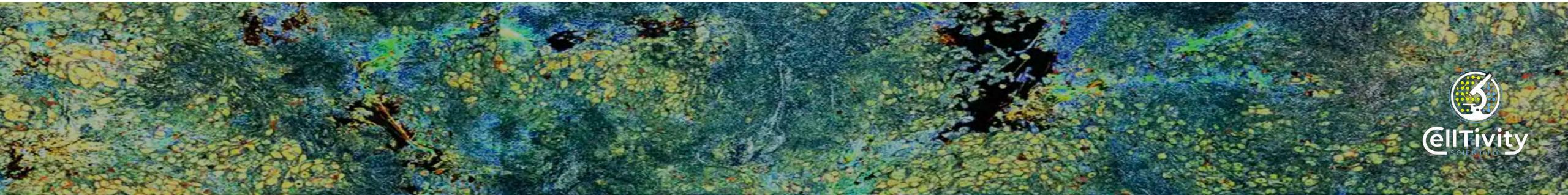
-

Benign Lymphoid

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INFLAMMATORY



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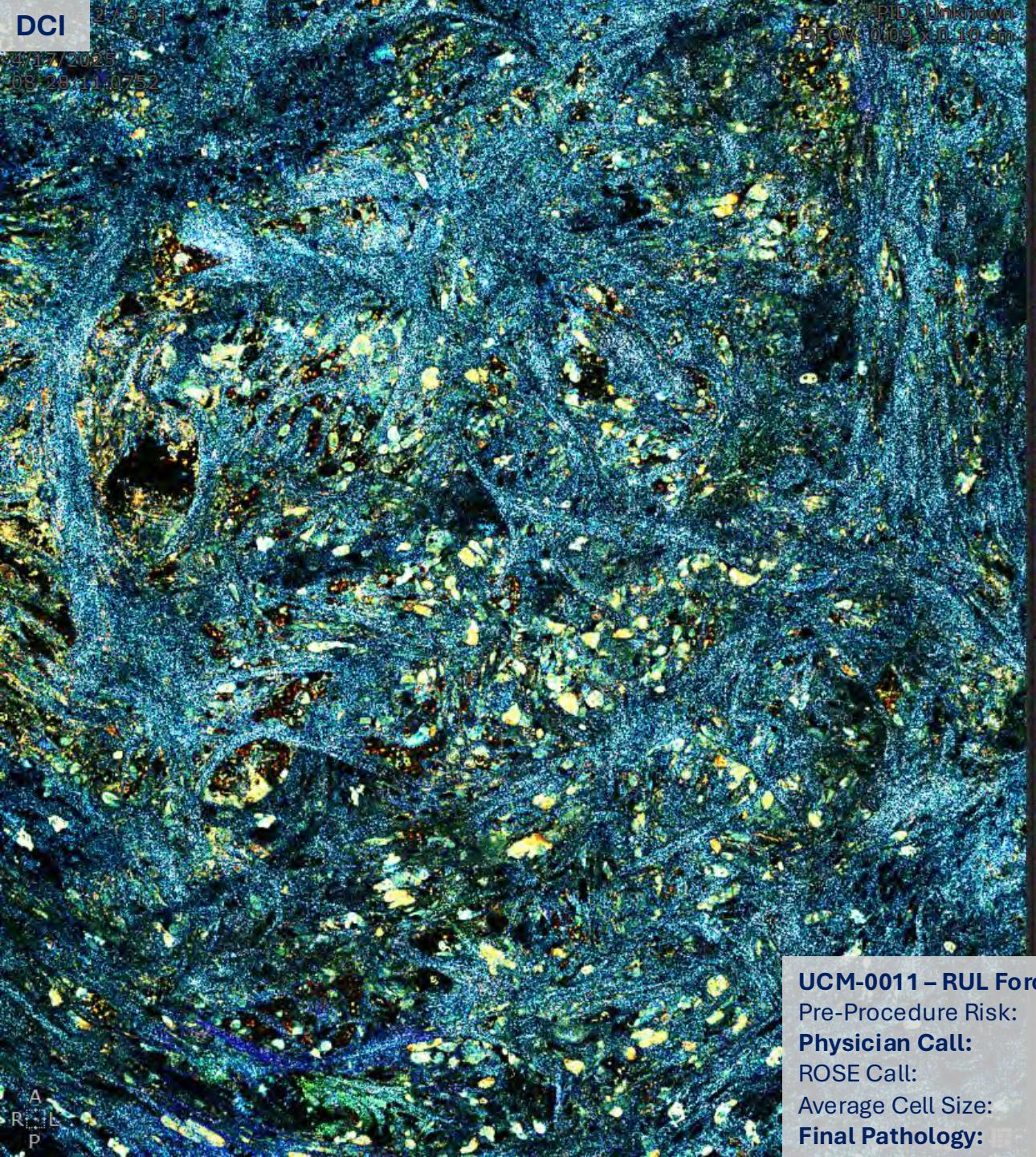
DCI

24/3 >1

4/17/2025
08:28:11.0752

PID: Unknown
DFOV: 0.09 x 0.10 cm

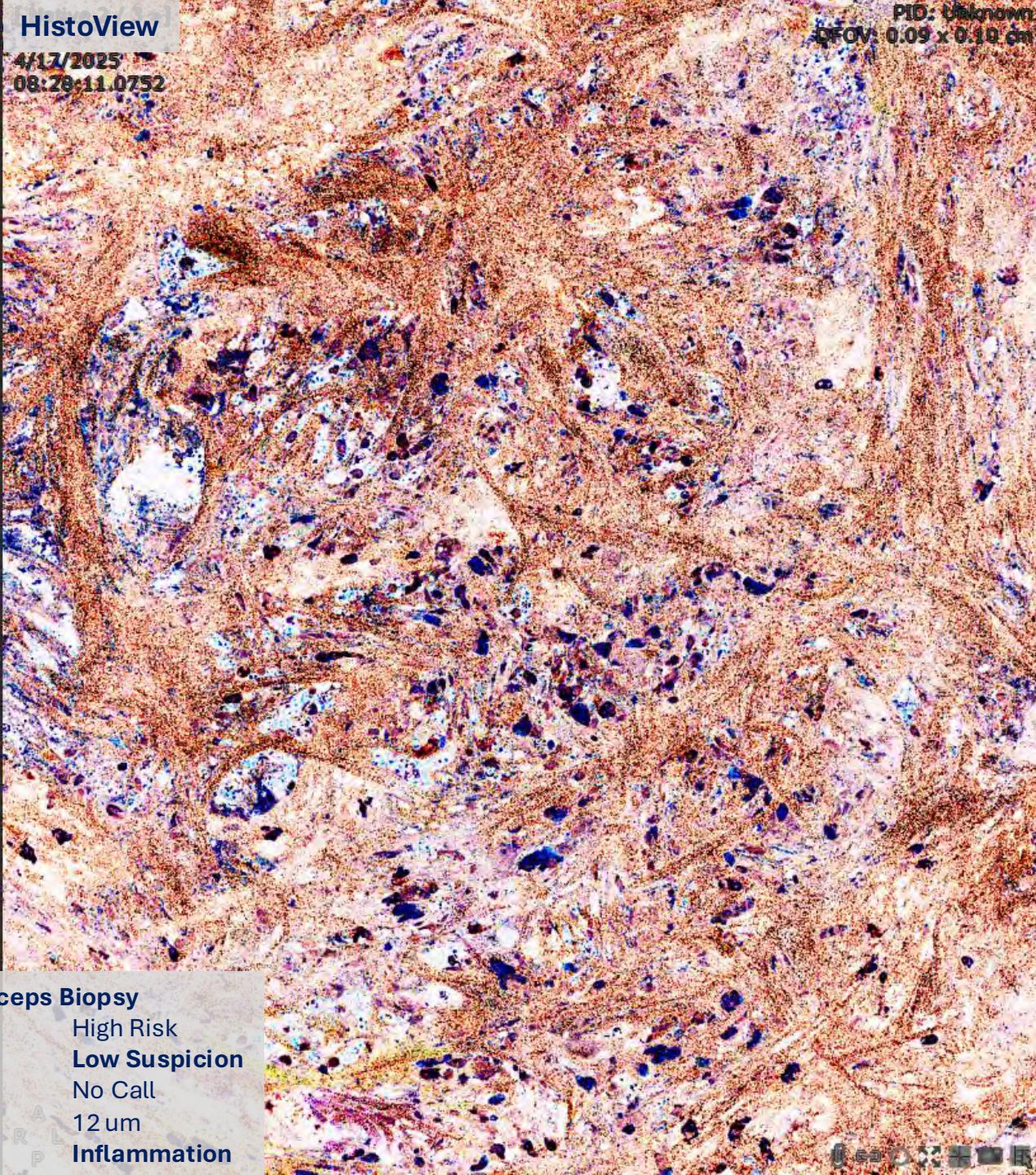
A
R
L
P



HistoView

4/17/2025
08:28:11.0752

PID: Unknown
DFOV: 0.09 x 0.10 cm



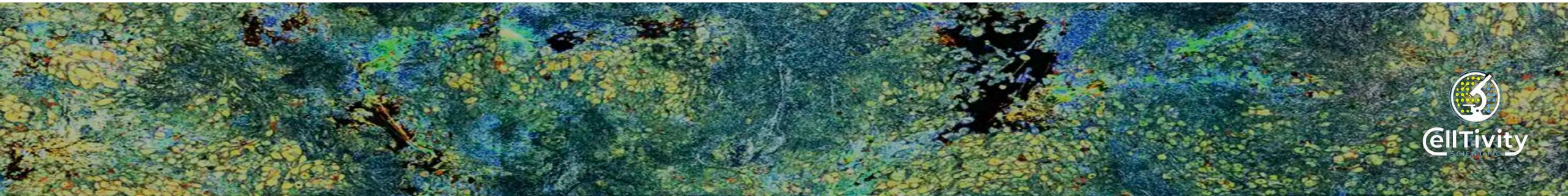
UCM-0011 – RUL Forceps Biopsy
Pre-Procedure Risk:
Physician Call:
ROSE Call:
Average Cell Size:
Final Pathology:

High Risk
Low Suspicion
No Call
12 um
Inflammation

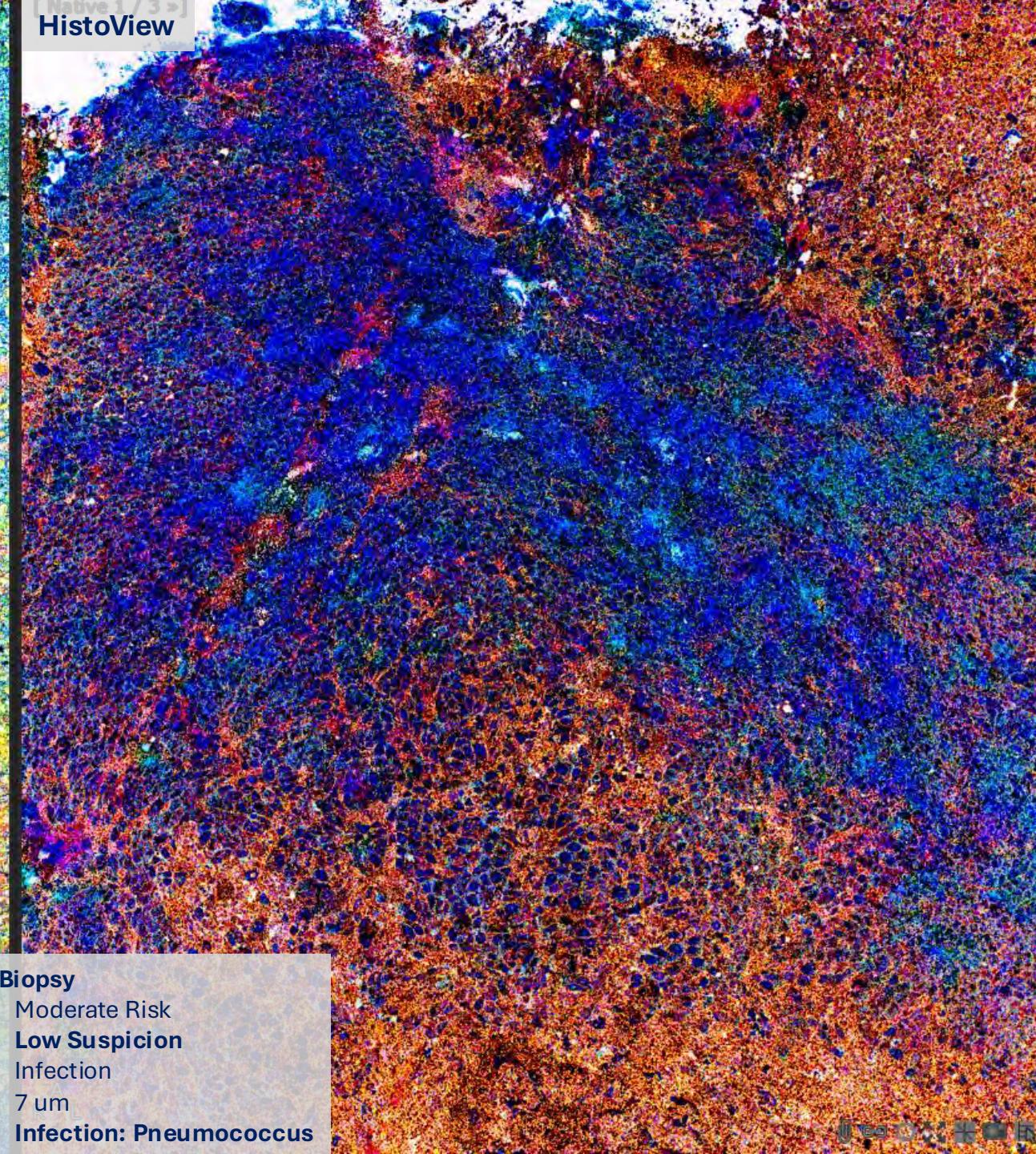
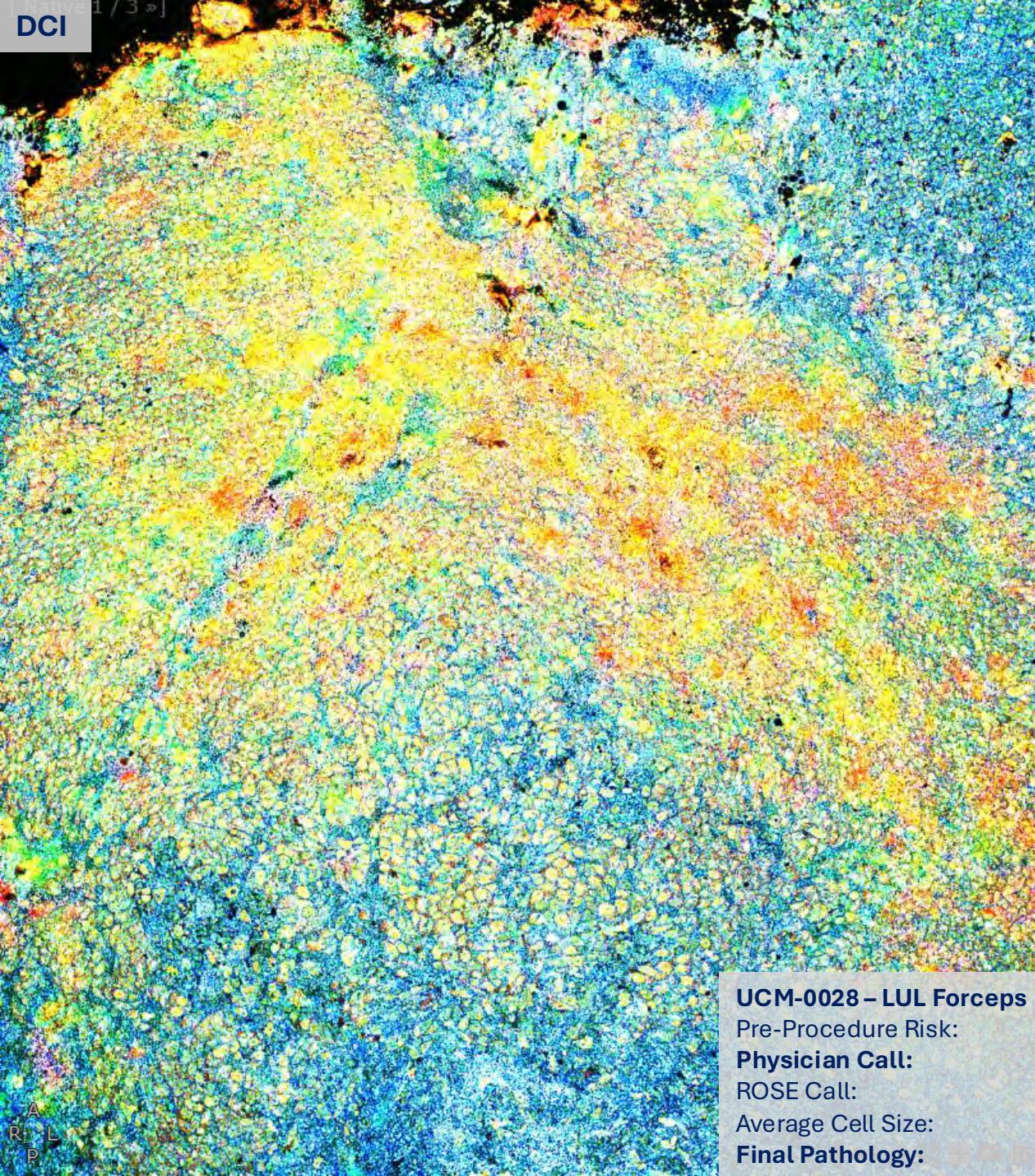
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INFECTION



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**UCM-0028 – LUL Forceps Biopsy**

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

Moderate Risk

Low Suspicion

Infection

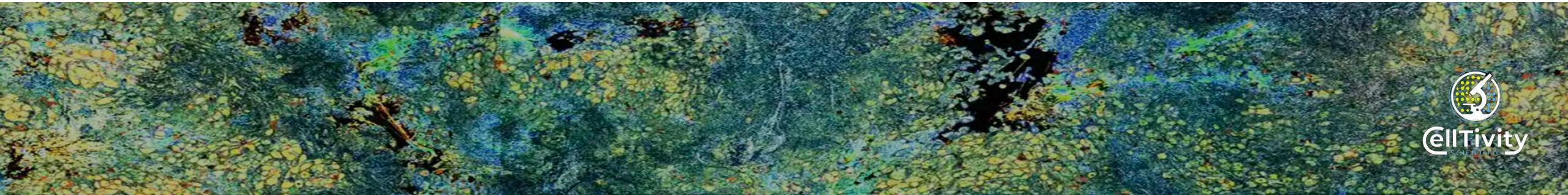
7 um

Infection: Pneumococcus

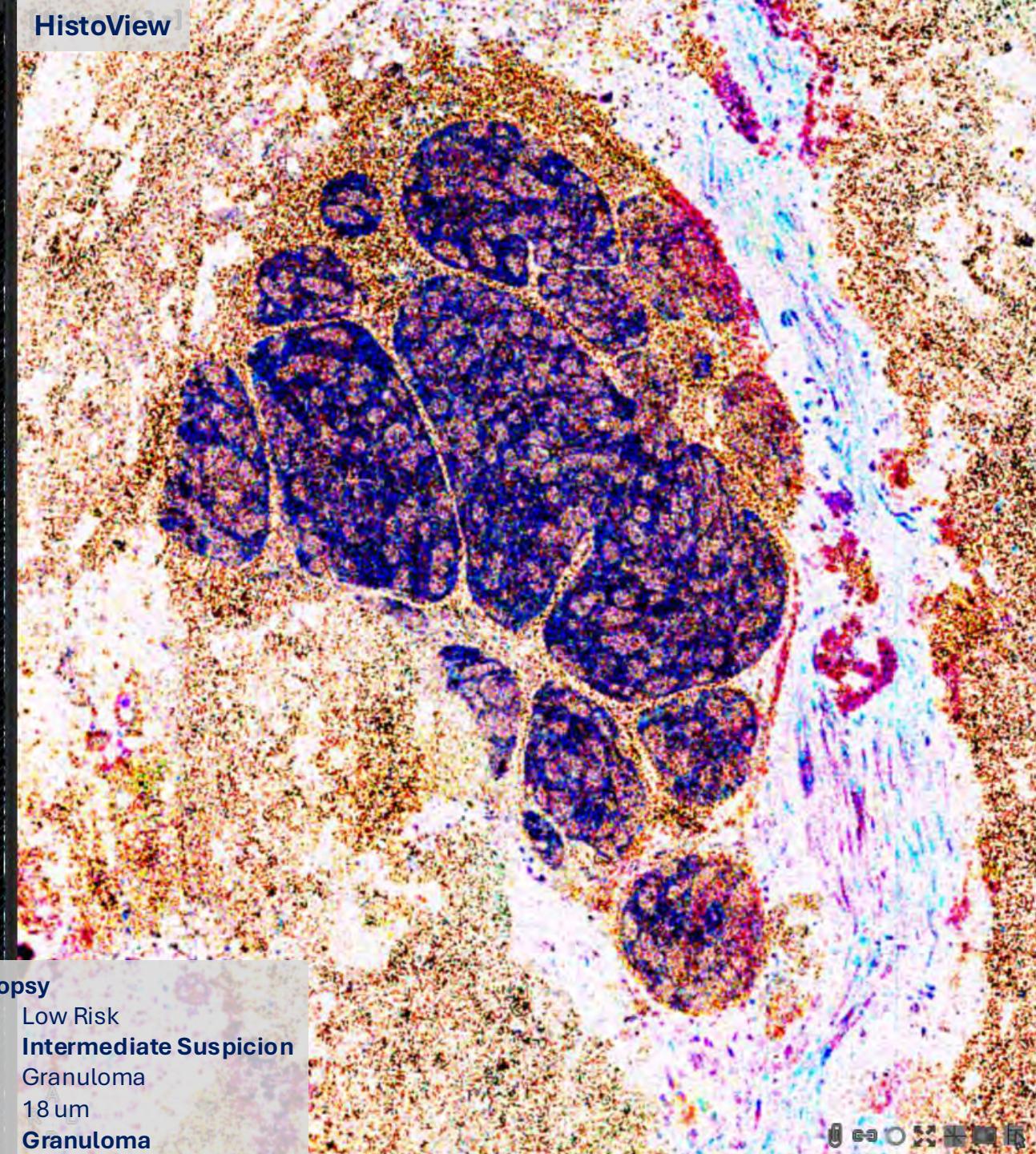
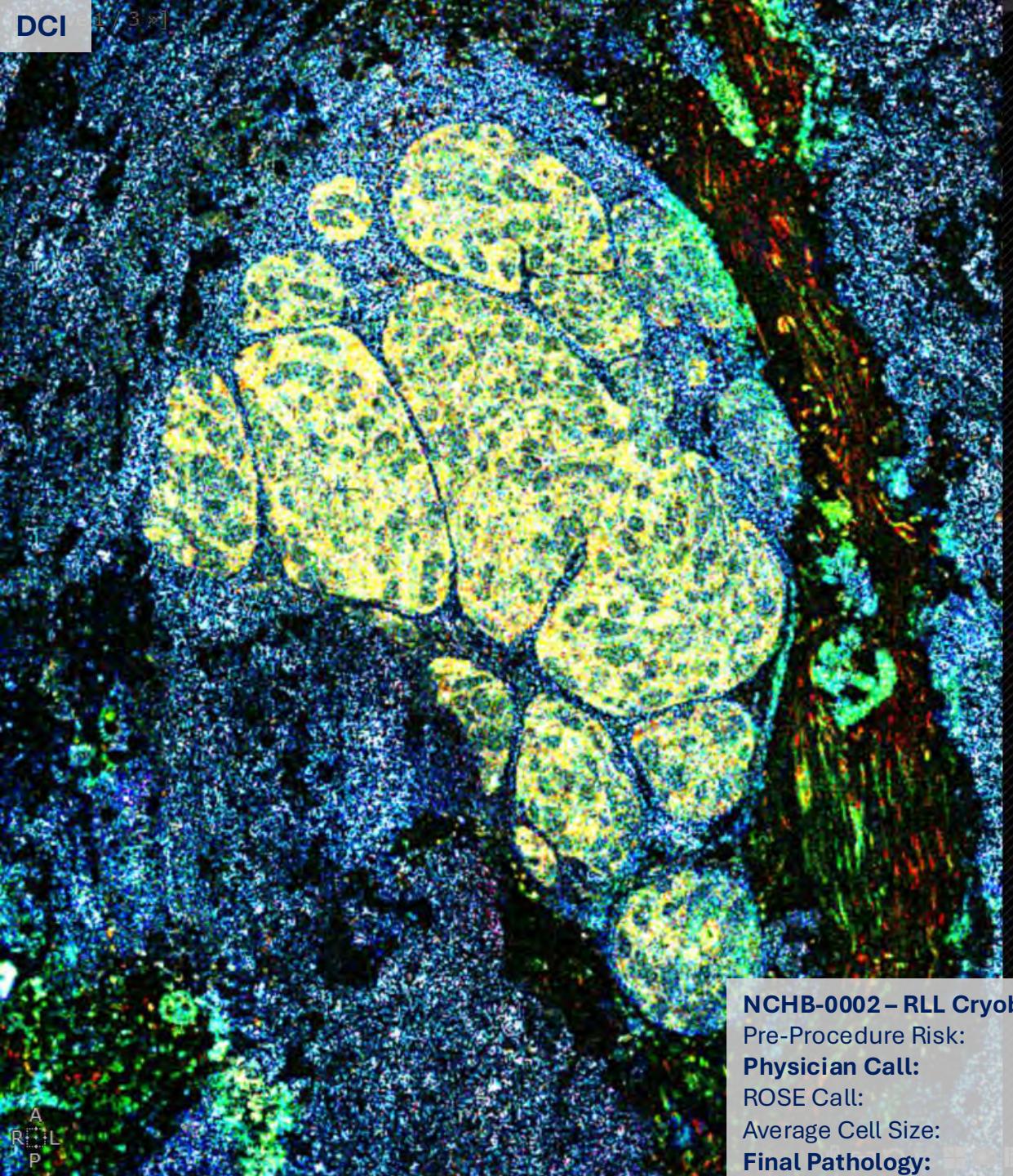
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GRANULOMA



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**NCHB-0002 – RLL Cryobiopsy**

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

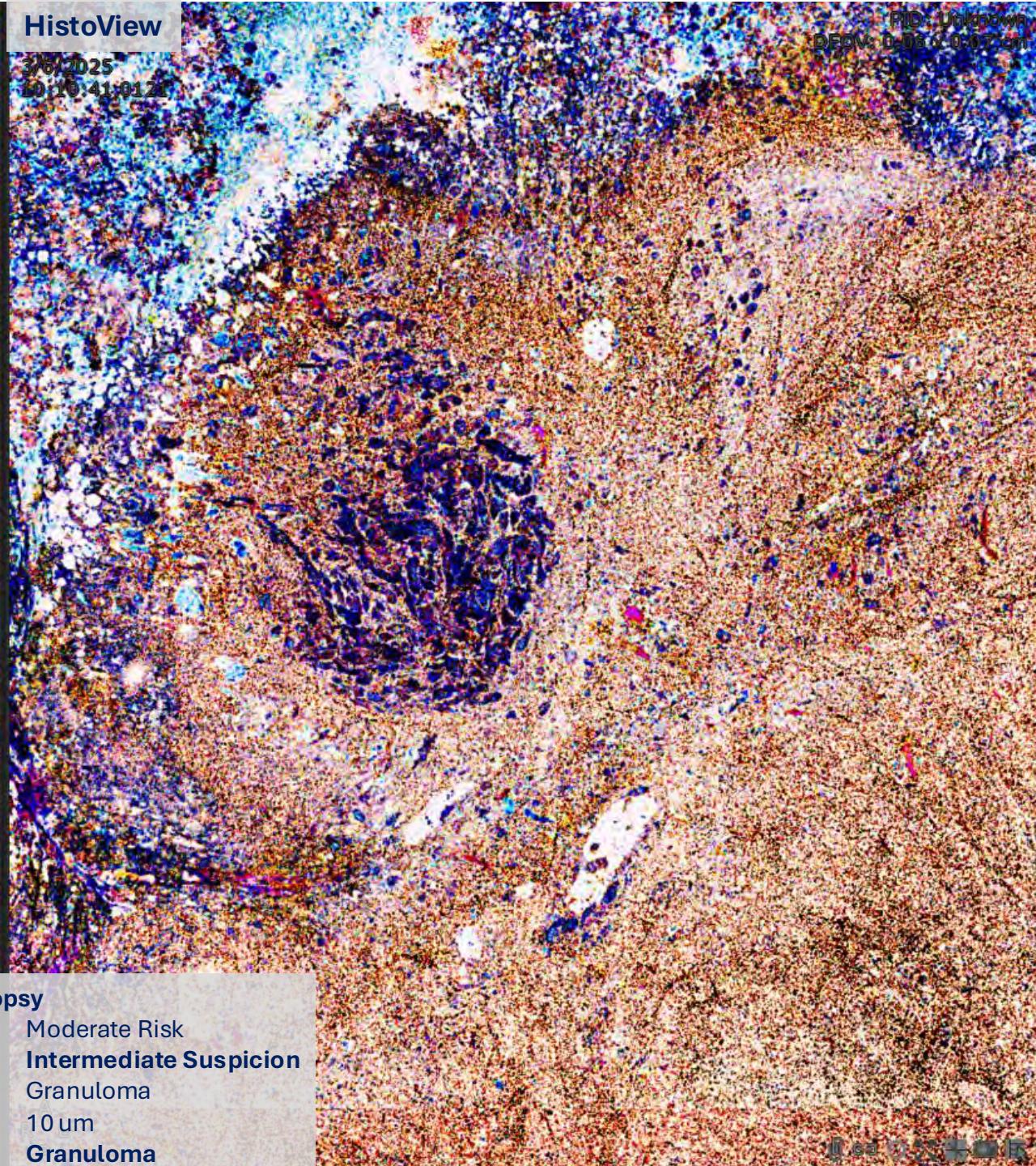
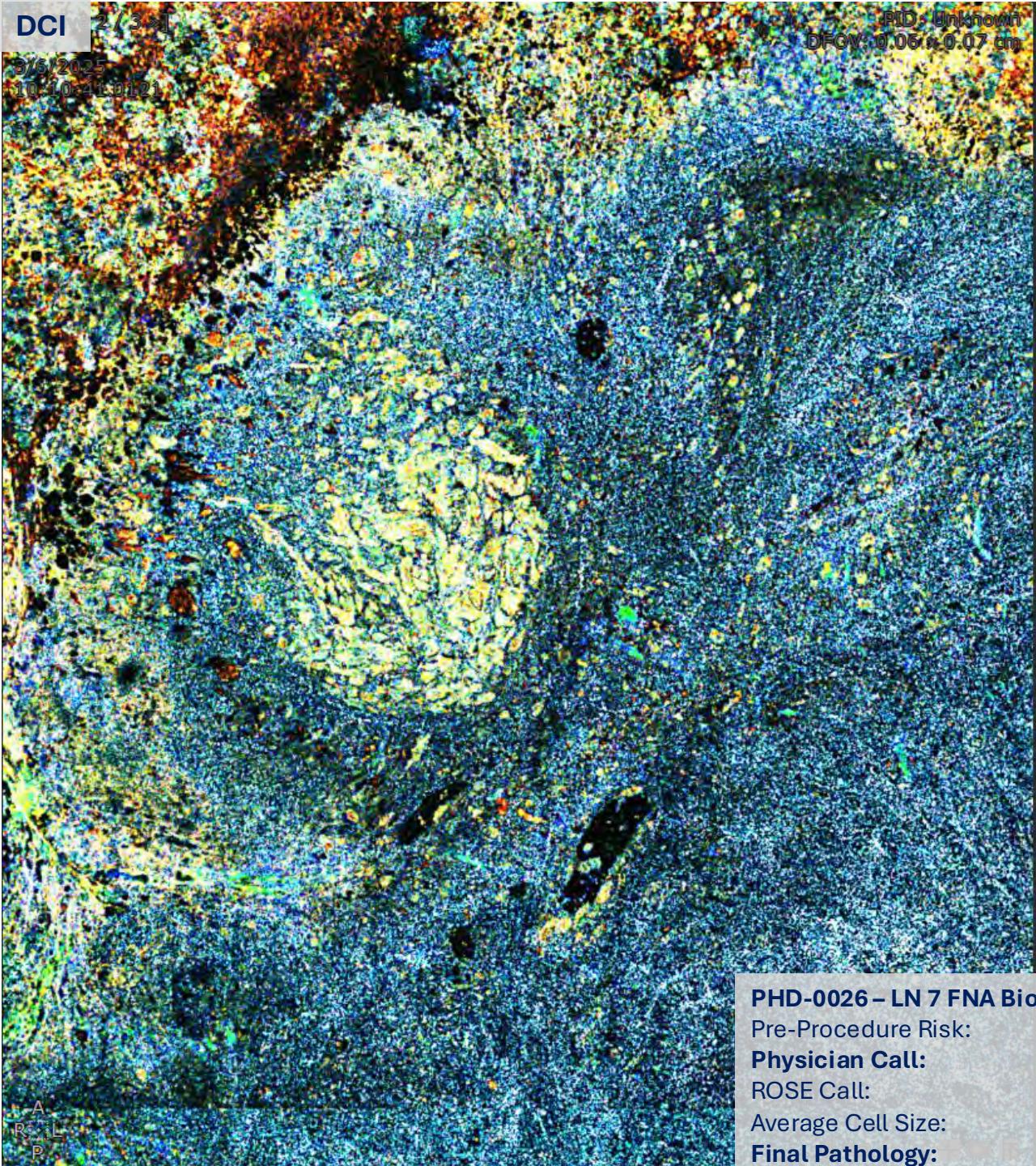
Low Risk

Intermediate Suspicion

Granuloma

18 um

Granuloma

**PHD-0026 – LN 7 FNA Biopsy**

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

Moderate Risk

Intermediate Suspicion

Granuloma

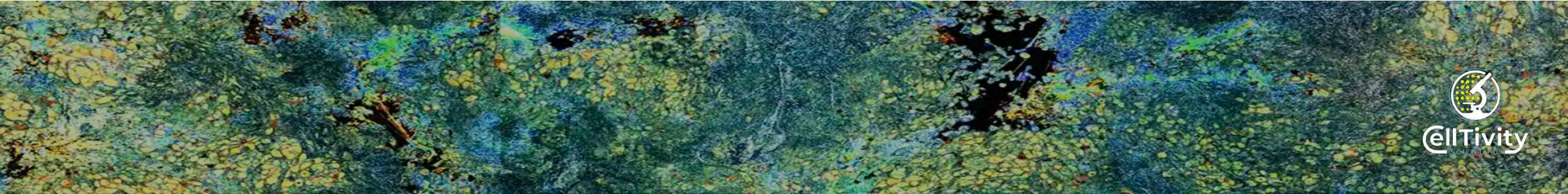
10 um

Granuloma

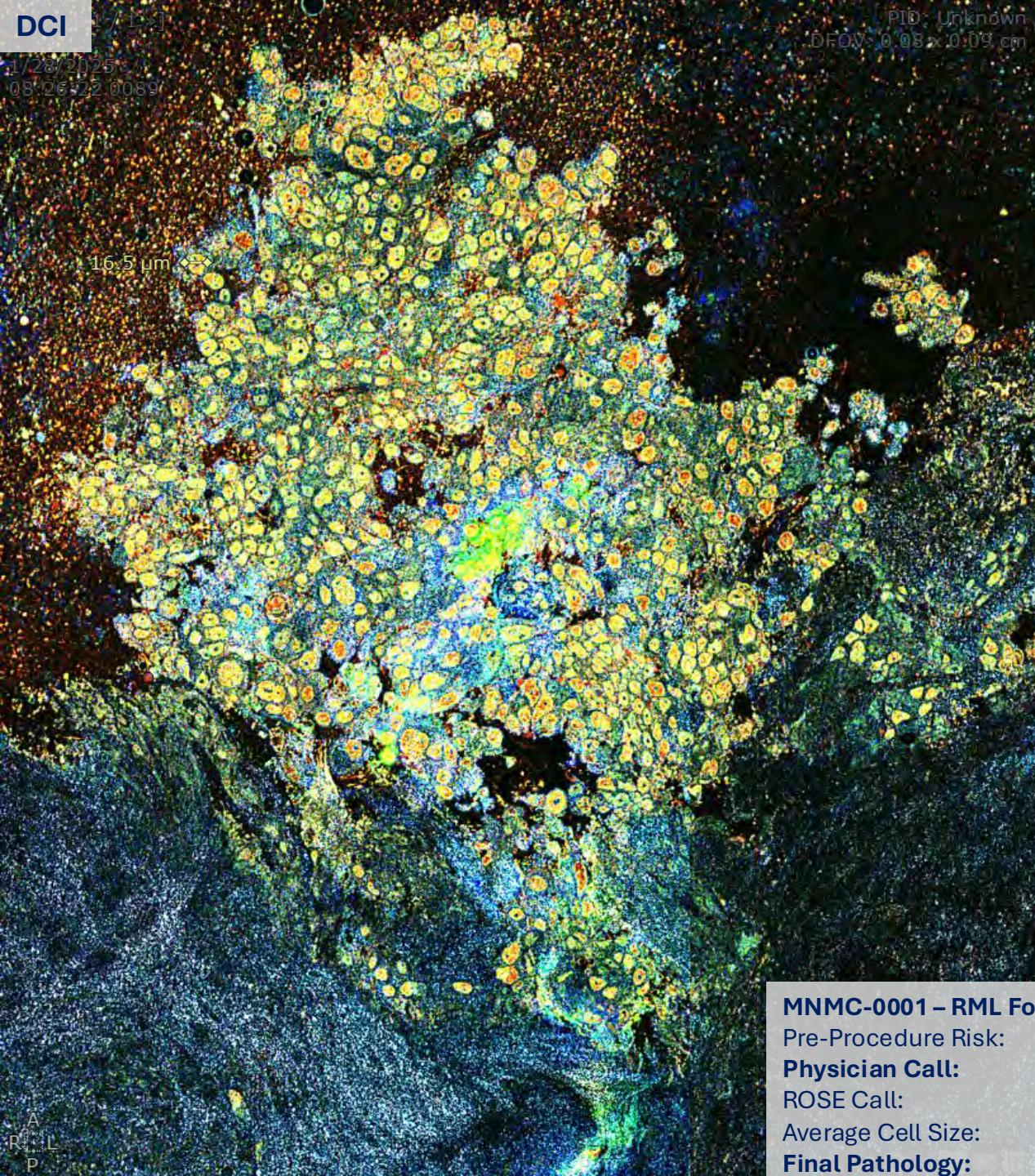
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ADENOCARCINOMA



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**MNNC-0001 – RML Forceps Biopsy**

Pre-Procedure Risk:

High Risk

Physician Call:

High Suspicion

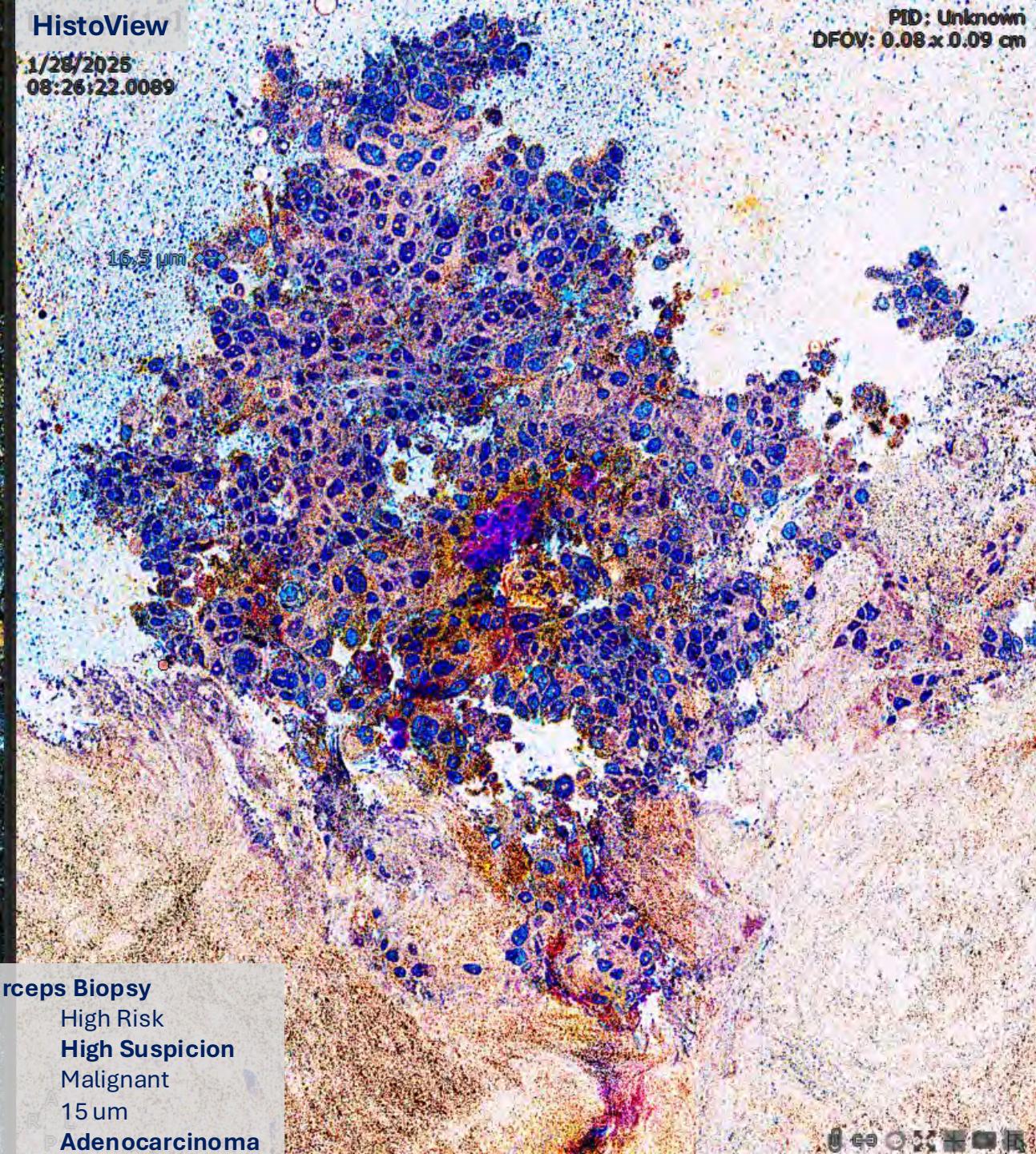
ROSE Call:

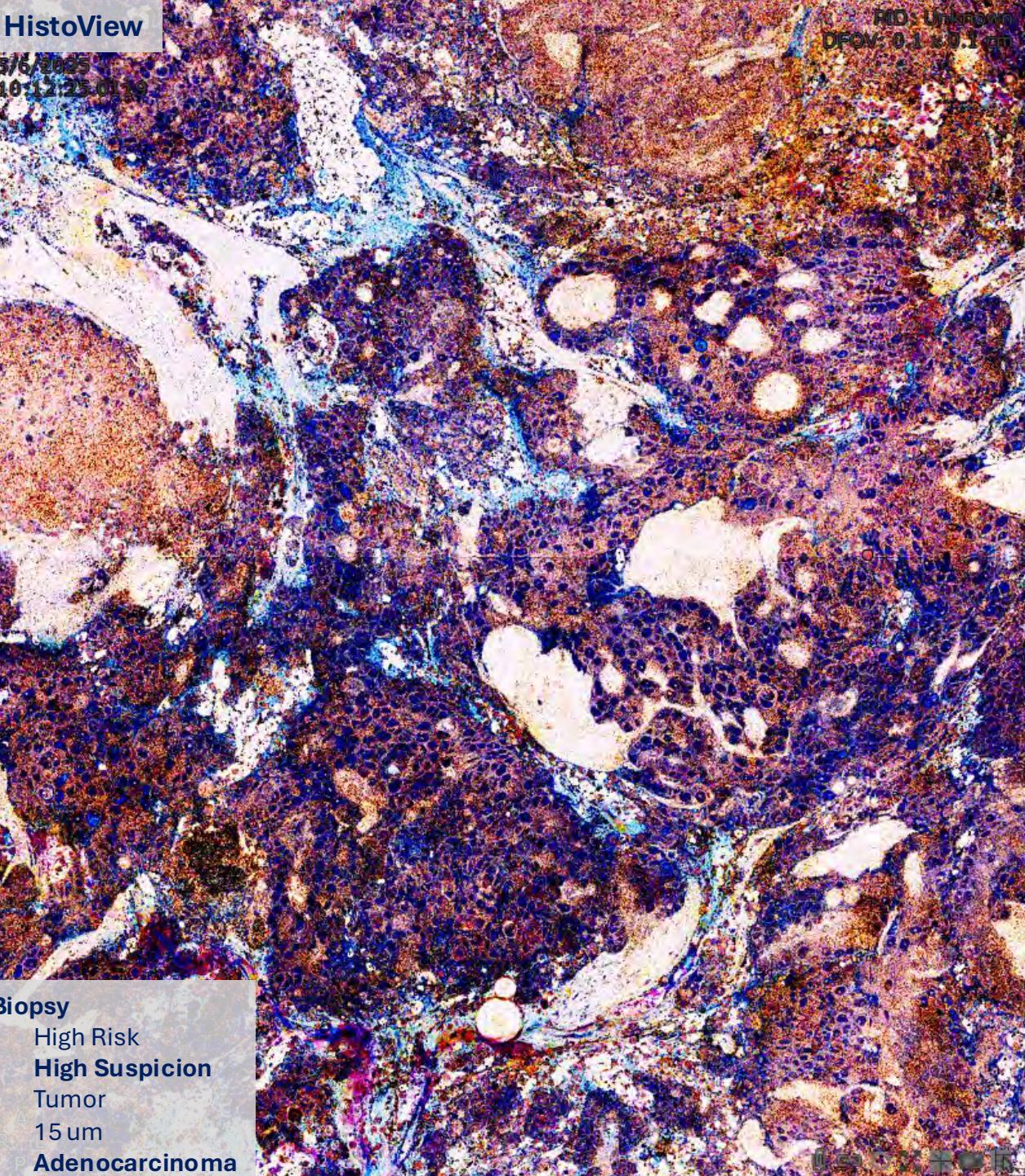
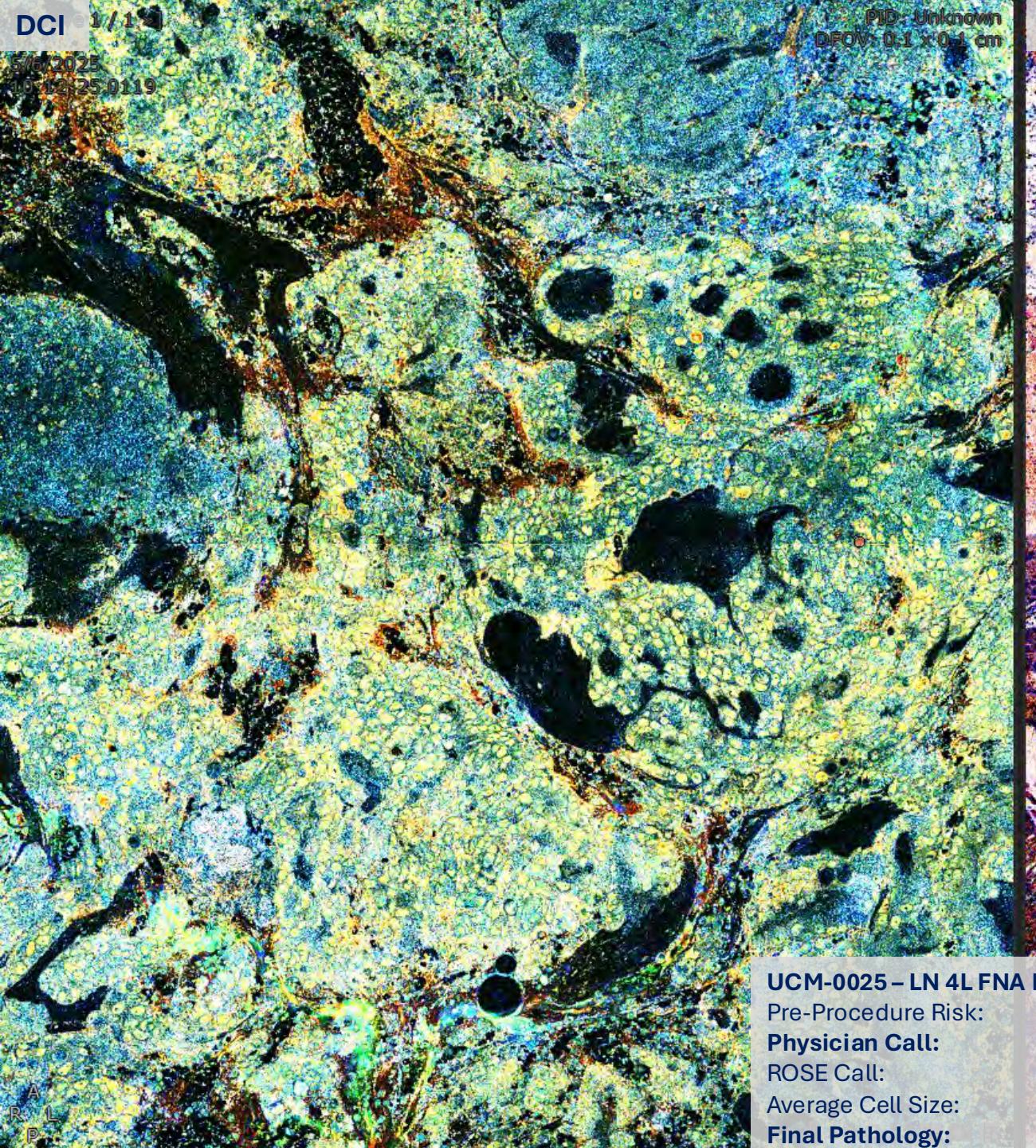
Malignant

Average Cell Size:

15 um

Final Pathology:

Adenocarcinoma



UCM-0025 – LN 4L FNA Biopsy

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

High Risk

High Suspicion

Tumor

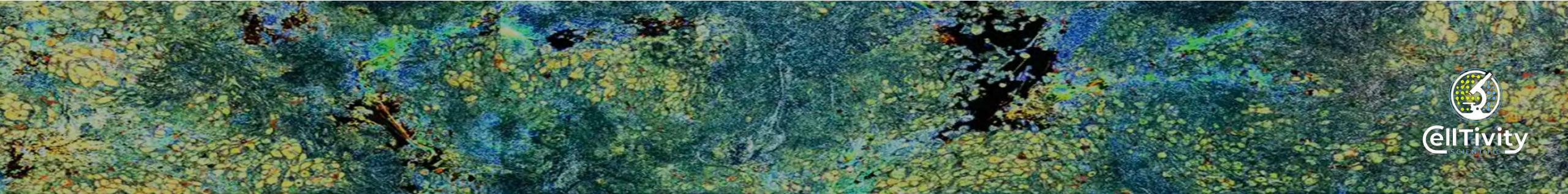
15 um

Adenocarcinoma

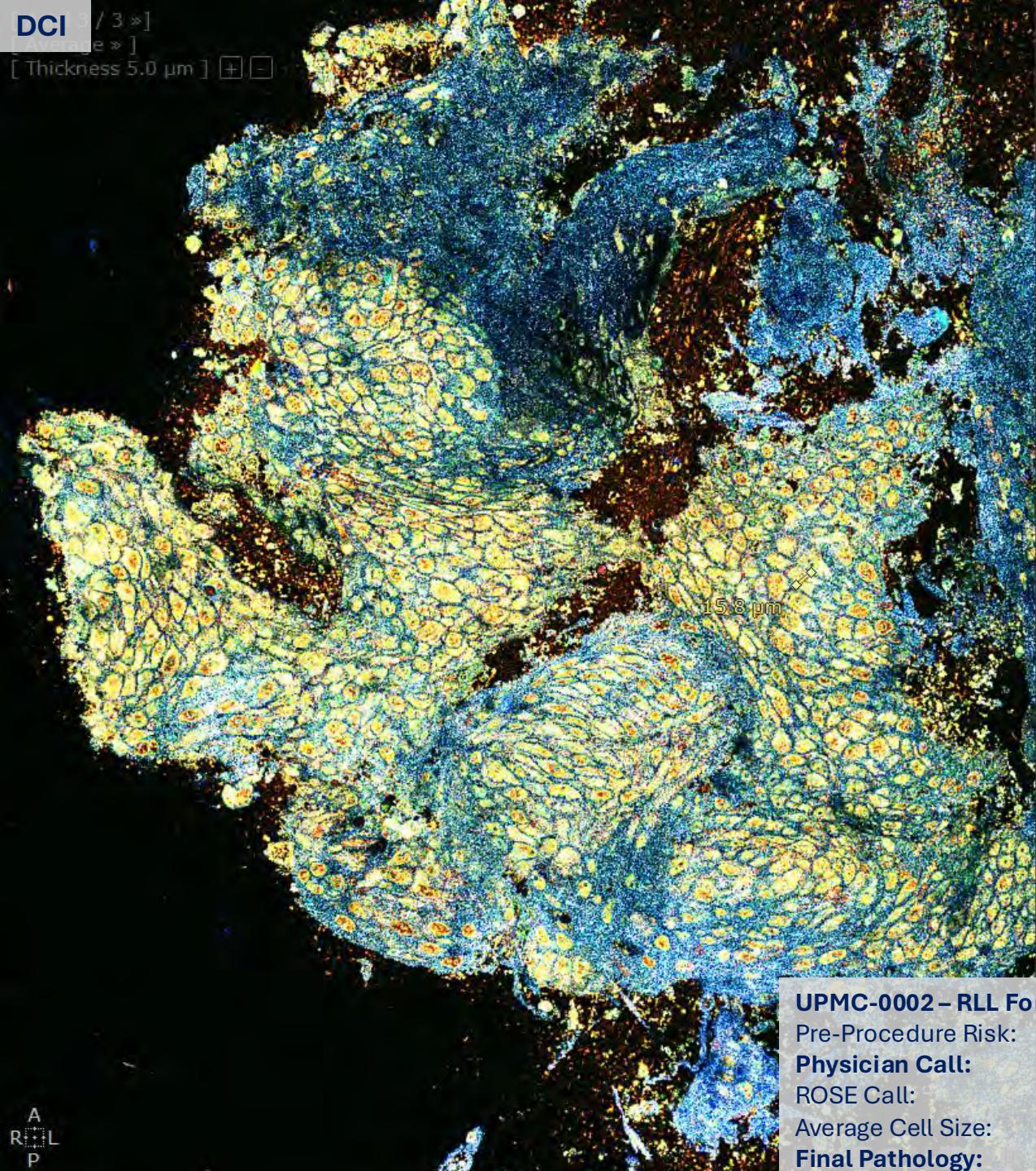
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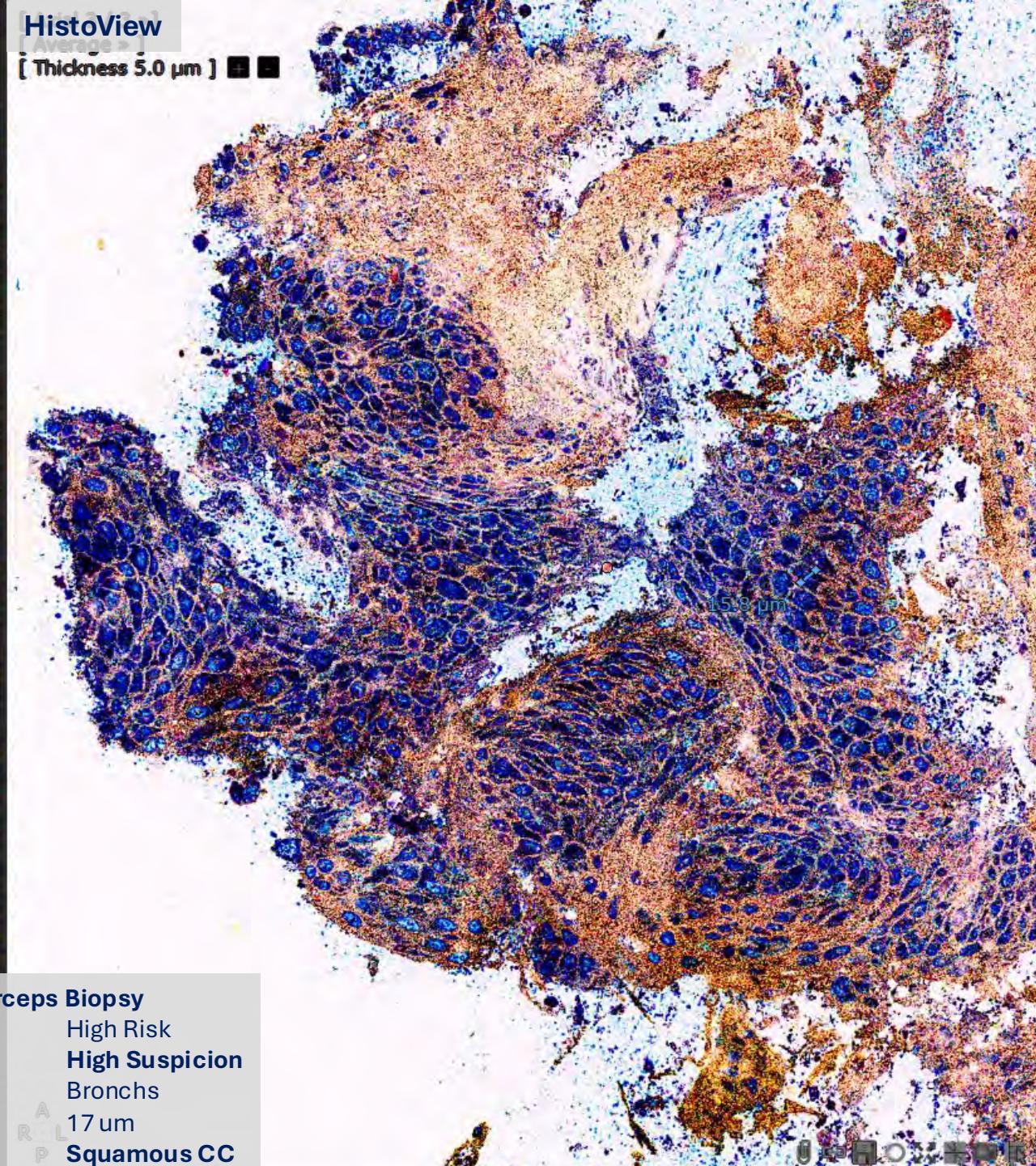
SQUAMOUS CELL CARCINOMA



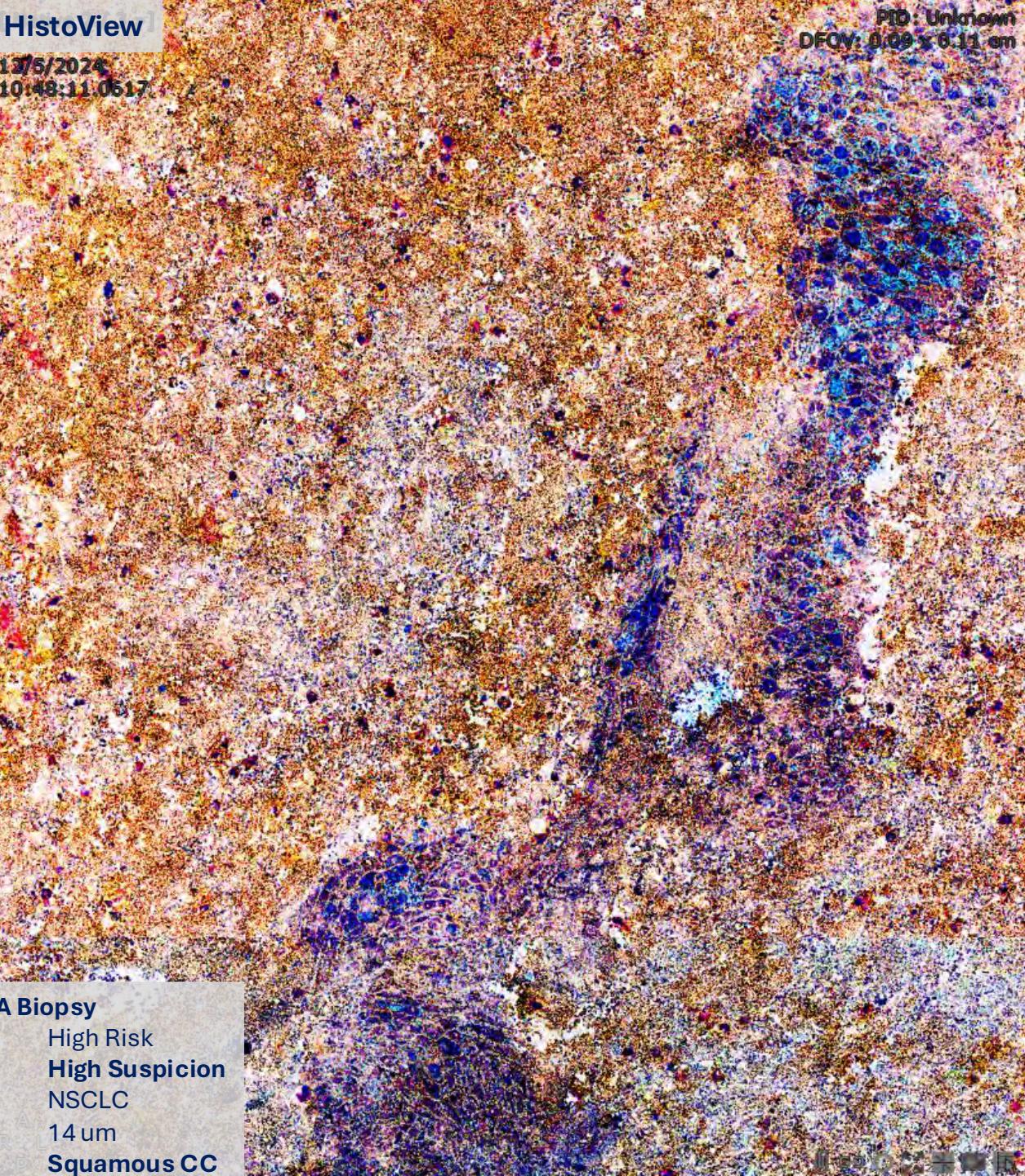
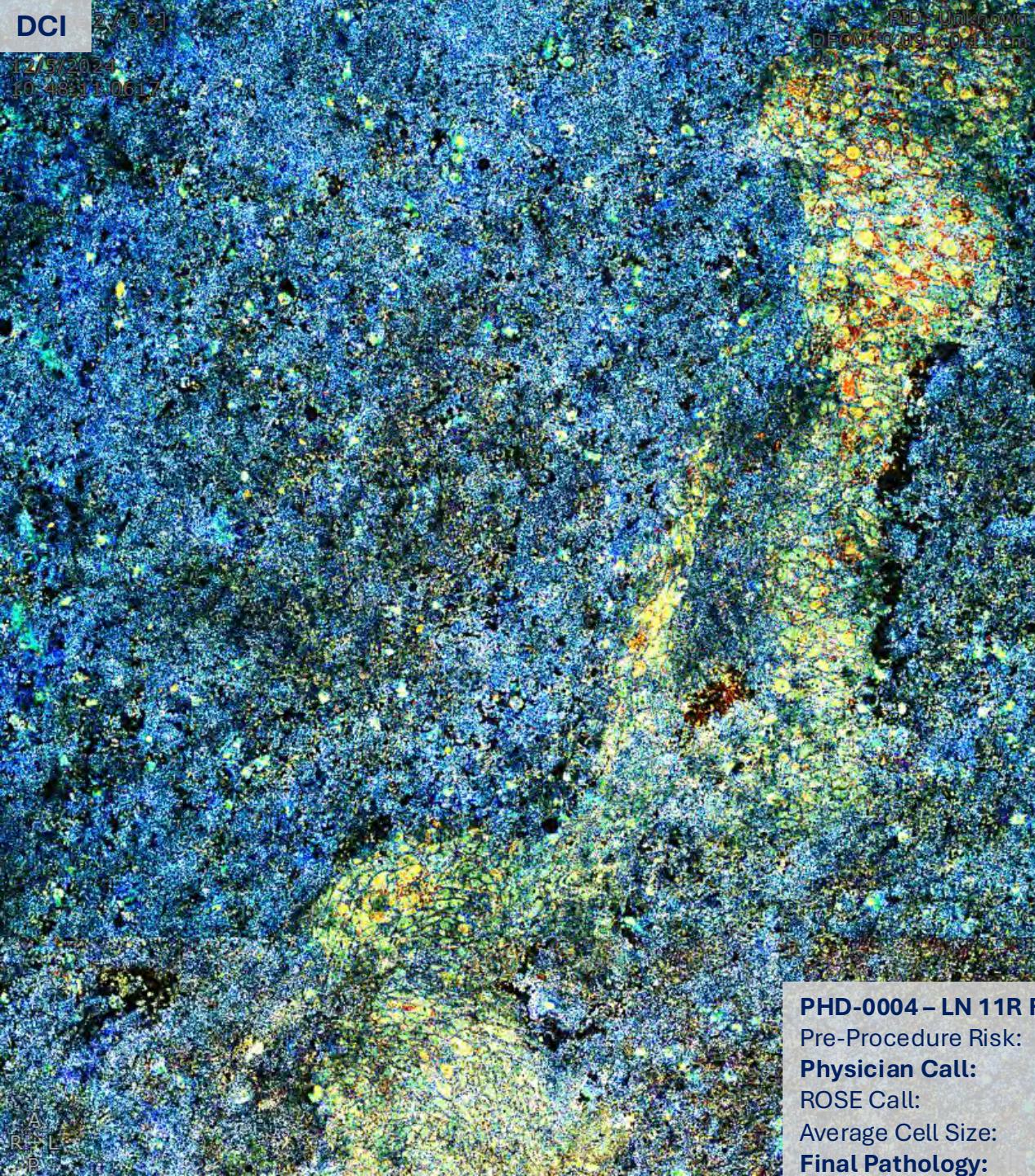
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UPMC-0002 – RLL Forceps Biopsy
Pre-Procedure Risk:
Physician Call:
ROSE Call:
Average Cell Size:
Final Pathology:



HistoView
[Average]
[Thickness 5.0 μ m]

**PHD-0004 – LN 11R FNA Biopsy**

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

High Risk

High Suspicion

NSCLC

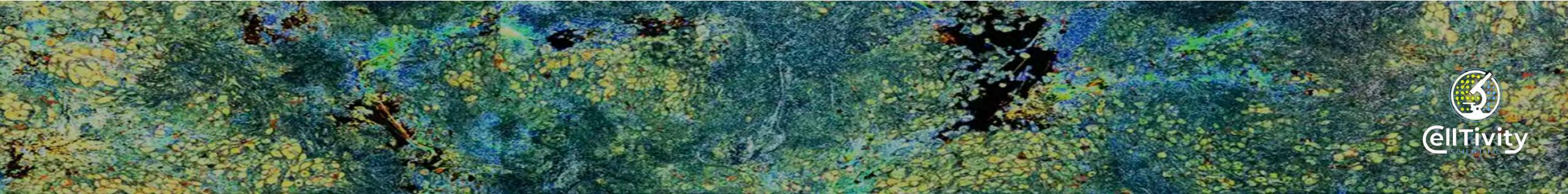
14 um

Squamous CC

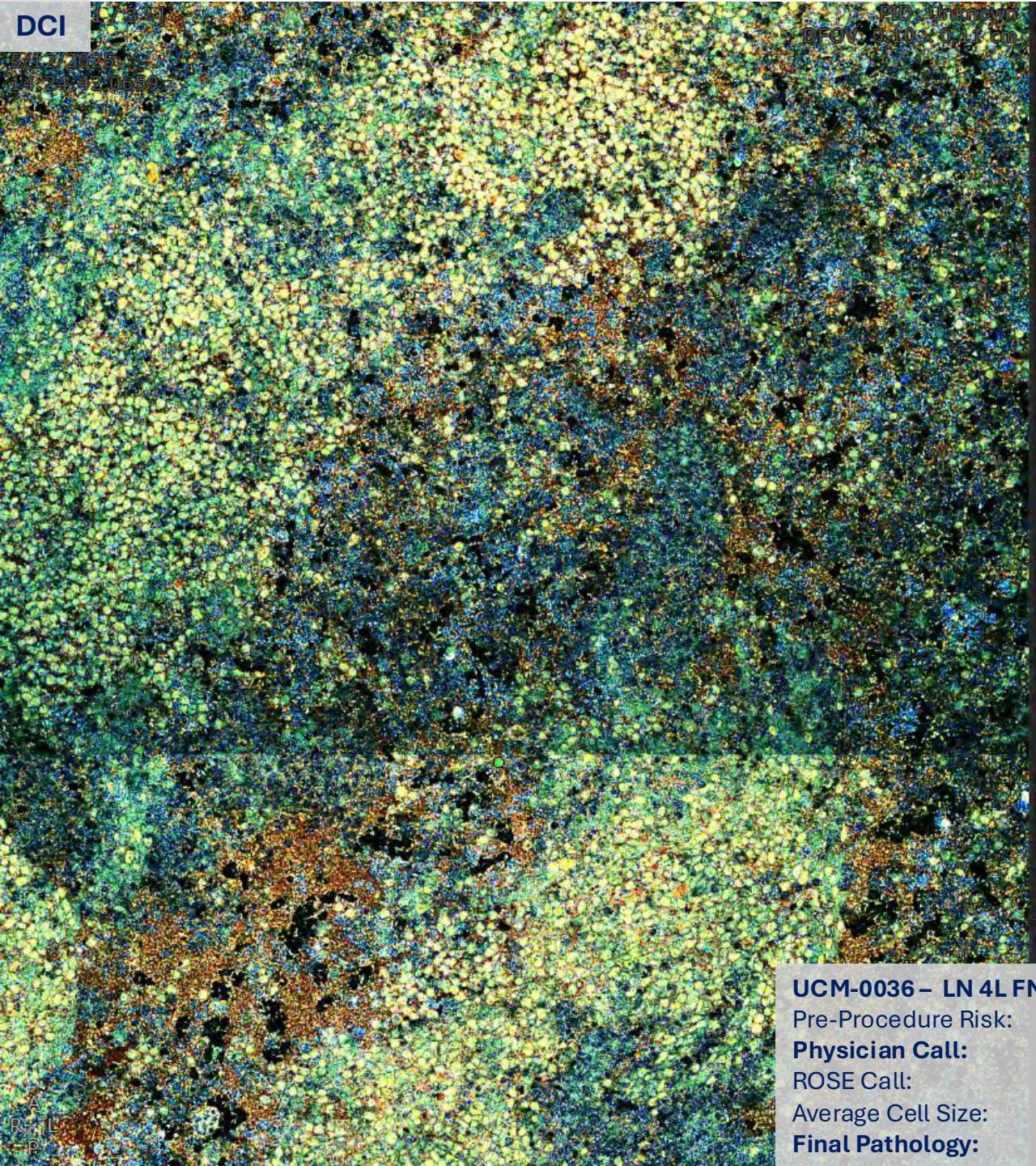
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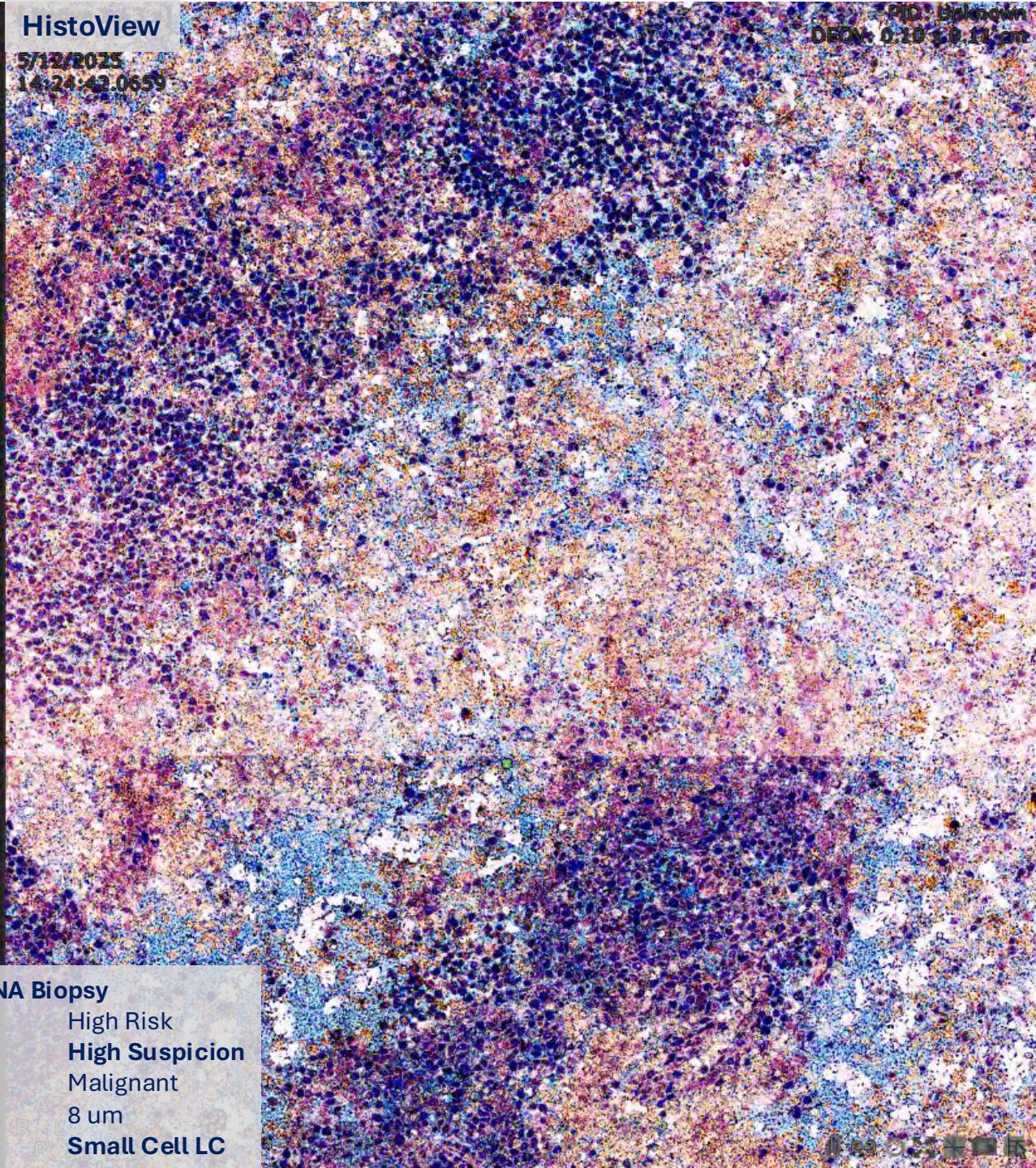
SMALL CELL LUNG CANCER



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PID: Unknown
DFOV: 0.10 x 0.11 cm

UCM-0036 – LN 4L FNA Biopsy
Pre-Procedure Risk:
Physician Call:
ROSE Call:
Average Cell Size:
Final Pathology:



HistoView

5/12/2025
14:24:42.0659

A
R
T
P

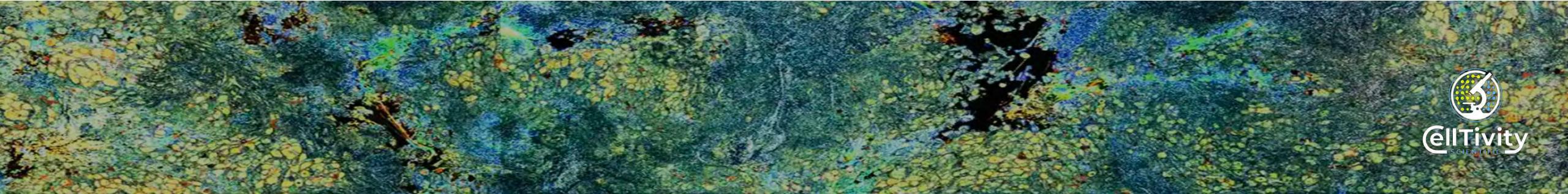
PID: Unknown
DFOV: 0.10 x 0.11 cm

A
R
T
P

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CARCINOID TUMOR

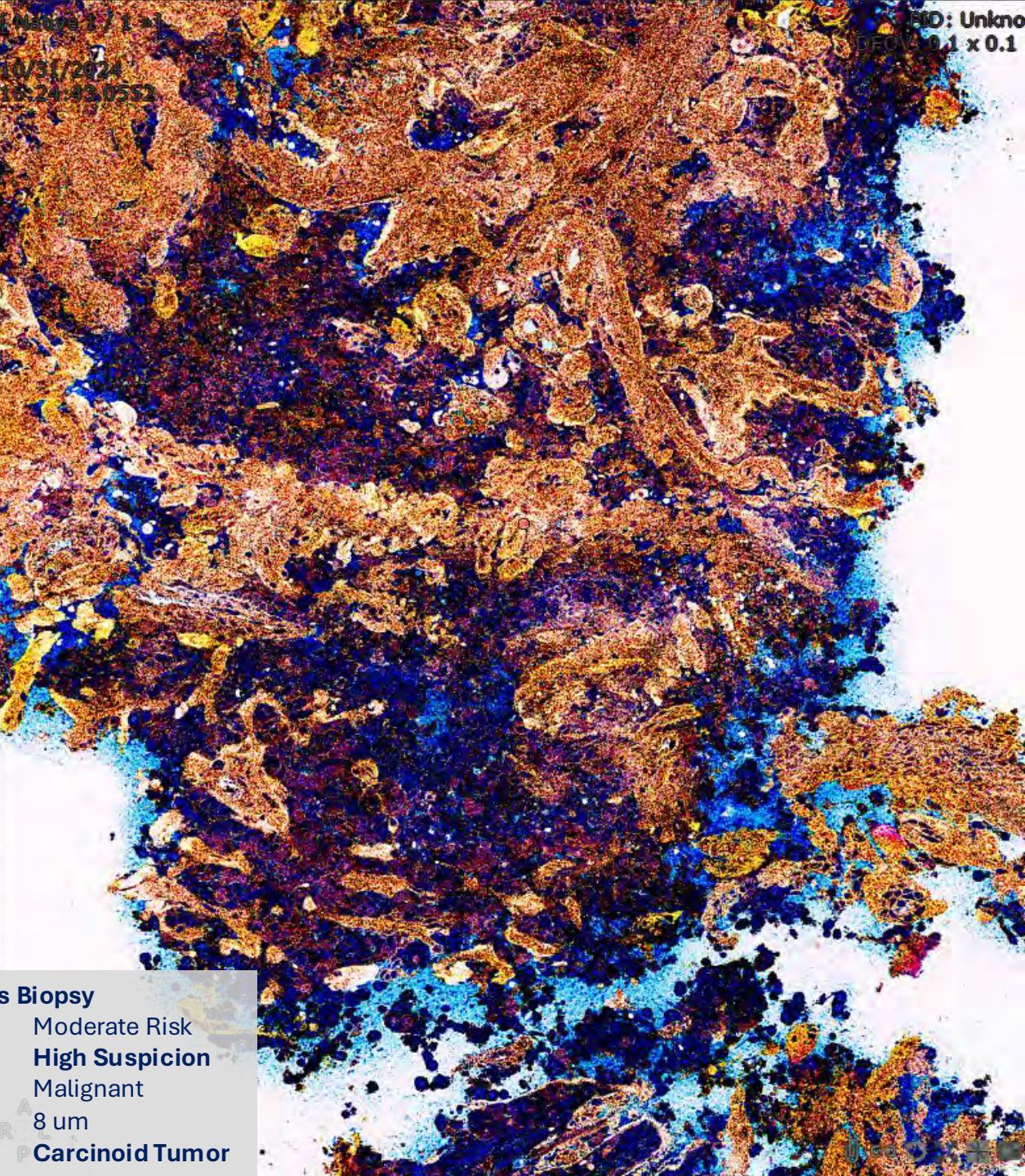
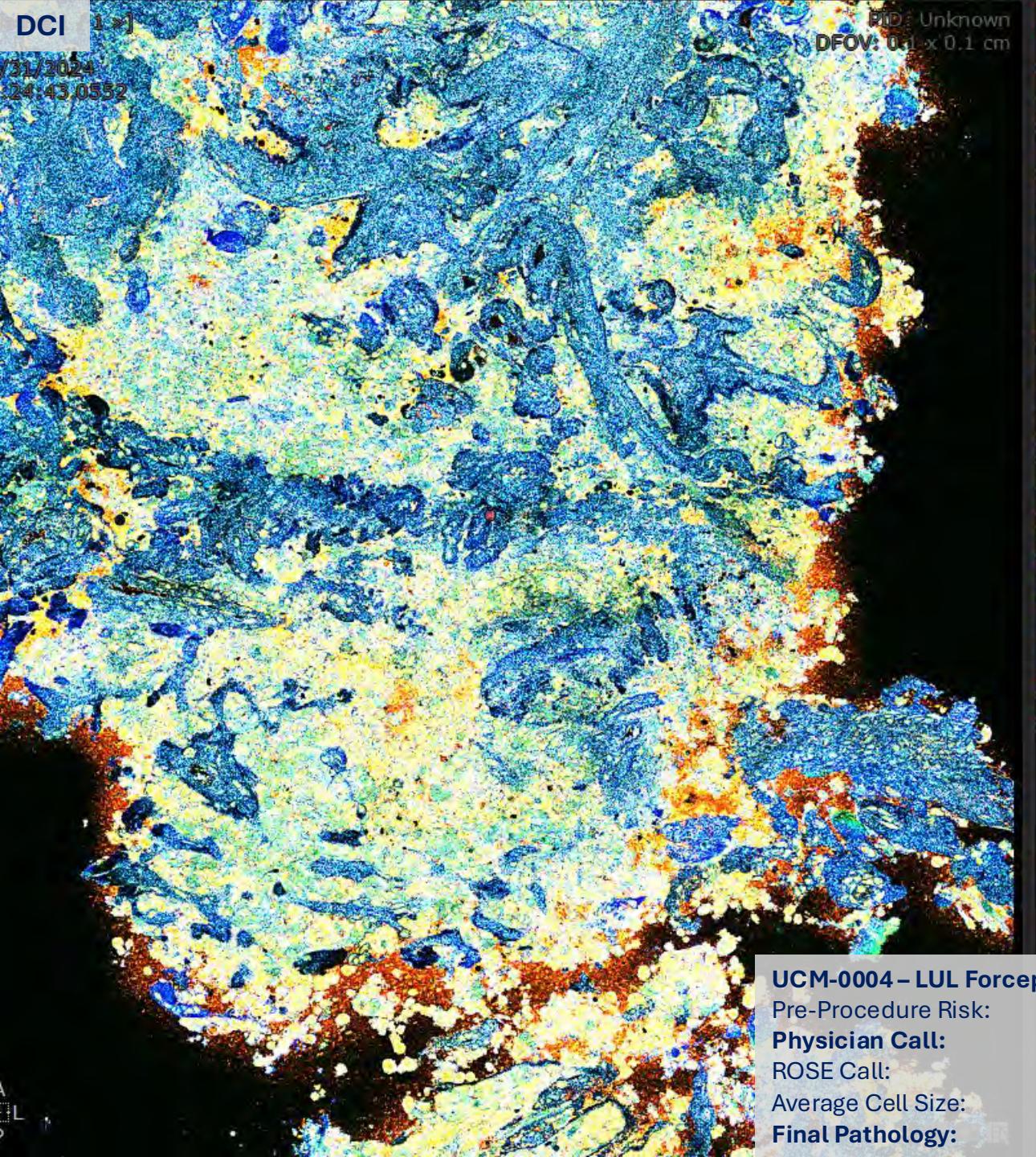


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DCI 1 >]

10/31/2024
24-43-0552

PID: Unknown
DFOV: 0.1 x 0.1 cm



UCM-0004 – LUL Forceps Biopsy

Pre-Procedure Risk:

Physician Call:

ROSE Call:

Average Cell Size:

Final Pathology:

Moderate Risk

High Suspicion

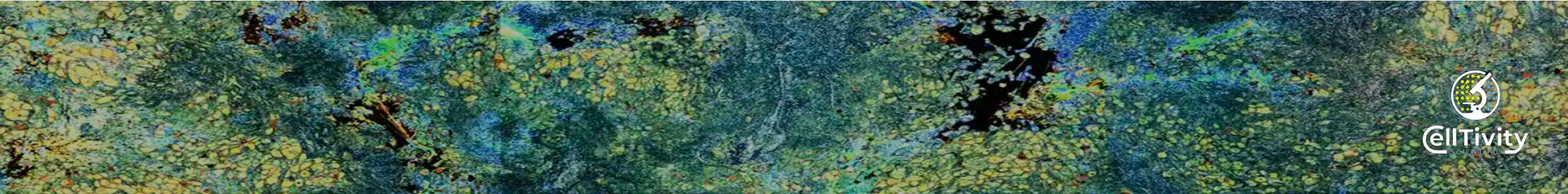
Malignant

8 um

Carcinoid Tumor

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Microscopy System



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