



TECHNICAL BULLETIN

NEW TEST TEST CHANGE

NOTIFICATION DATE: 12/3/19

EFFECTIVE DATE: 12/3/19

Urine Cytology - Change in Urine Cytology Reporting

Implementation and clarification of the Paris system for reporting urine cytology.

Northwell Health Laboratories has recently implemented the Paris system for reporting urine cytology. The goal of this system of cytology reporting is to detect patients that are at risk for High Grade Urothelial Carcinoma (HGUC).

It is essential to read the microscopic description for interpretations of Negative for High Grade Urothelial Carcinoma, when present, for appropriate management. Most cases within this category will not need further evaluation. Cases that may require additional management in this diagnostic category will include reports where “**low grade urothelial carcinoma cannot be excluded.**” Cases that include both possibility of reactive conditions and low grade urothelial processes would read as the following "The differential diagnosis includes mechanical disruption (instrumentation, lithiasis, vigorous activity, deep palpation) and papillary urothelial lesion (low-grade or benign). Clinical-pathological-radiological correlation is essential."

Low Grade Urothelial Neoplasm category will include papillomas, PUNLMP (Papillary Urothelial Neoplasm of Low Malignant Potential) and low grade urothelial carcinomas.

Newly Implemented Diagnostic Categories	Previously Used Diagnostic Categories
Negative for HGUC	Negative for Malignant Cells
Atypical Urothelial Cells	Atypical Findings
Suspicious for HGUC	Suspicious for Malignant Cells
Positive for HGUC	Positive for Malignant cells
Low Grade Urothelial Neoplasm	

In the event you need further clarification see reference below.

References: Rosenthal, DL, Wojcik, EM, and Kurtycz, DFI. *The Paris System for reporting Urinary Cytology*. Springer. 2016. <https://rd.springer.com/content/pdf/10.1007%2F978-3-319-22864-8.pdf>

Test Order: [Allscripts \(AEHR\): NGUrine](#)
[Cerner: CL FL Cyto](#)

If you have any questions, please contact the Cytology Department at (516) 304-7284 between the hours of 8am-4pm, Monday-Friday