

Cytology Software
Partial List of Features

- 1. Point-and-click selection of changeable pre-loaded text speeds entry**
Statements for Adequacy, General Categorization, Interpretation/Results, Notes and Suggestions are preloaded for optional point-and-click selection. Text used by other pathologists can be easily modified by the user globally and on a case-by-case basis.
- 2. Patient Procedure History**
The sophisticated procedure history feature searches the database of existing cases for a given patient's prior biopsies. The results of the automatic search are visible on the screen without additional keystrokes. The results of the procedure history search for surgical pathology appear for cytology cases and vice versa.
- 3. Accession Log**
The log reports cases according to date received. If desired, the log can be prepared for each physician or any specified time period. It can be printed by flexible criteria, such as by date received or alphabetically by the patient's last name.
- 4. Random Quality Control**
The user can adjust the percentage of low and high-risk cases selected for random quality control.
- 5. Abnormal Cytology Findings**
This report lists cases with abnormal diagnoses.
- 6. Personalized Approval Codes**
Each cytotechnologist and pathologist may enter a personal code to approve entries of his/her findings. The impressions of the cytotechnologist, supervisor, and pathologist are stored in the database for analysis.
- 7. Finalize**
When the final diagnosis has met the criteria for approval, the case may be finalized to prevent inadvertent changes.
- 8. Comparison of Diagnoses**
The cytotechnologist and pathologist impressions are printed side by side in the Cytotechnologist Diagnosis Comparison analysis report. The QC (Quality Control) result is also listed. The percentage of agreements, minor disagreements and major disagreements is calculated.

9. Agreement with Cytotechnologists

This report lists for each cytotechnologist the percentage of agreements, minor and major disagreements.

10. Major Diagnosis Upgrades

The major diagnosis upgrades report prints out the cases in which a notation has been made that a rescreen of a normal or negative impression resulted in reclassification as malignant or premalignant.

11. Workload Analysis—Cytotech Daily and Hourly Workload Reports

The daily workload report prints the number of cases signed by each cytotechnologist for the dates specified. The hourly workload analysis reports the number of cases signed by each cytotechnologist each hour during the specified dates.

12. Diagnosis Searches

The database of existing cases can be searched according to key words or letters in the diagnosis. Searches can be limited to a certain physician or a specified time period, if desired. A report lists the cases found, along with the diagnoses.

13. Automated Lookup of ICD-9 and CPT Codes

ICD-9 diagnosis codes can be linked to interpretations, such as Bethesda phrases. CPT procedure codes are calculated using an algorithm based on the specimen source, the test performed, the reporting method, and whether the physician has interpreted the case. Automated ICD-9 and CPT code selections can be edited by the user, or they can be entered on a case-by-case basis. The user also has the flexibility to edit the ICD-9 and CPT code algorithm defaults. Direct access to the code selection tables makes it possible for the user to incorporate changes in the codes.

15. End-Of-Report Messages

A message can be printed at the end of all reports if the user chooses. This is commonly used for legal disclaimers.

16. Reminder Date

A reminder date and reason can be recorded. Cases can be looked up by reminder date.

17. Slide Labels

PATHLOGIX[®] prints bottle and slide labels with up to eight lines of information on each label. This has the advantage that demographics are input only once because the labeling program is integrated with the main pathology database.

18. Specimen Tracking: Date and Time Stamps

For regulatory requirements and for analysis, the dates and times (hours, minutes, and seconds) of the following activities are recorded by the system: accessioned, last edited, slides ready, diagnosis produced by cytotechnologist, diagnosis reviewed by supervisor

(when required), diagnosis reviewed by pathologist (when required), complete, finalized, and report issued. An additional optional timestamp is provided.

19. Diagnosis Groups

Pre-programmed diagnosis groups (Unsatisfactory, Within Normal Limits, Benign Cellular Changes, Atypical, Low Grade SIL, High Grade SIL, Suspicious for Malignancy, Positive for Malignancy, and Other) may be assigned and then used in a variety of analyses and reports.

20. Cytotech Diagnosis Review

For each cytotechnologist and for any time period selected, the number and percent of 'Unsatisfactory', 'Within Normal Limits', 'Benign Cellular Changes', 'Atypical', etc. are shown and are compared with the number and percent for the entire lab.

21. Referring Physician Summary by Diagnosis Category

This useful analysis of referrals also provides information which is useful to referring physicians.

22. Cytology Quality Assurance Report

This comparison between the original diagnosis, the re-screener diagnosis (if any), and the pathologist diagnosis is used for training, for review, and for compliance with regulatory requirements.

23. Cytology Case Review Statistics by Diagnosis Group

The diagnosis category findings of each cytotechnologist is compared with the entire laboratory. The results are presented in absolute numbers and in percentages.

24. Comparison Between Gynecology and Histopathology Diagnoses

The diagnoses and other relevant information may be entered, and the user may enter discrepancy notes and data which can then be used for training and to help meet regulatory requirements.

25. Unsatisfactory Specimen by Referring Physician

Unsatisfactory specimens are time-consuming and costly. This analysis provides the information that is needed to reduce the number of unsatisfactory specimen.

26. Five-year Retrospective Review

A five-year retrospective review is needed for patient care and to meet regulatory requirements. Review information may be presented according to a wide variety of criteria.

27. Summary of Gynecology Cases for Referring Physicians

This report is prepared for each referring physician and provides an important service to the referring physicians.

28. Pathologist Sign-out Summary

This important tool helps the laboratory function smoothly and efficiently.

29. Automatically Fax Cytology Reports

Reports may be automatically faxed by clicking a button on the case entry form or by using the batch faxing feature.

30. Cytology Turnaround Time Analysis

Reports may be selected for any time period, by any range of accession numbers, by pathologist, by any of six other categories. On each report, the number of cases and the percentages of cases with same day turnaround, one-day turnaround, etc. are shown.

31. Help Buttons

PATHLOGIX[®] software has help buttons, which facilitate the navigation through screens without the need to refer to other manuals or printed material. These can be hidden when preferred.

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